



# University Catalog

September 1, 2020-August 31, 2021

1600 East Hill St. Signal Hill, Ca 90755 | P. 562.988.2278 | F. 562.988.179 | [www.auhs.edu](http://www.auhs.edu)

*Revised date: March 31, 2021*

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## ***BE INSPIRED***

*There is a dream that each of us has inside. It speaks of a better time, of a better life, of a better world.*

*There is a voice that comes from God and shows to each, “the way”, then say, “come abide.”*

*There is a need that cries, must be satisfied, requires of us to care, to help, to give, set self aside.*

*That all might have the chance...*

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The information in this catalog is intended for informational purposes only and does not constitute a legal contract between American University of Health Sciences and any person or entity. The University reserves the right to change, discontinue, or add academic requirements, courses, and programs of study as long as such changes meet accreditation standards. Such changes may be made without notice, although every effort will be made to provide timely notice to students.



## WELCOME MESSAGE FROM THE PRESIDENT

Dear Students:

On behalf of the faculty and staff, I am pleased to welcome you to the American University of Health Sciences (AUHS).

Whether you are visiting AUHS for the first time as a prospective student or checking in on us as one of our active students or alumni, I trust you will find in these pages the information that reflects our deep commitment to academic success.

For more than 27 years AUHS has been transforming the lives of our students and the communities we serve by providing a high-quality relevant education in the health sciences.

AUHS is committed to serving students of diverse backgrounds and preparing them to make a positive impact on society through the provision of exceptional quality patient-centered care. This is accomplished through the creation of a strong and caring academic environment where excellence, diversity, and the development of the entire person—mind, body, and spirit—is addressed and where teaching/learning, research, service, and scholarship is valued and supported. AUHS students are encouraged to make powerful, life-long connections as they engage in their communities and with a diverse population of students.

I look forward to meeting you! It is an honor to welcome you to AUHS and I wish you a very enriching scholastic experience.

Sincerely,

A handwritten signature in black ink, which appears to read "Carol Ryan". The signature is fluid and cursive.

**DR. CAROLL RYAN**  
University President and CEO

## APPROVAL DISCLOSURE STATEMENT

American University of Health Sciences is located at 1600 East Hill Street, Signal Hill, California 90755. American University of Health Sciences is a private institution and is approved to operate by the Bureau for Private Postsecondary Education (BPPE). The Bureau's approval means compliance with minimum state standards as set forth in the Education code and does not imply any endorsement or recommendation by the state. Institutional approval must be re-approved every three years and is subject to continuing review.

|  |                     |
|--|---------------------|
| <b>Graduate Degree Program</b>                       |                     |
| Doctor of Pharmacy                                   | 183.0 Quarter Units |
| <b>Master of Science in Nursing</b>                  |                     |
| Family Nurse Practitioner                            | 85.0 Quarter Units  |
| Nursing Education                                    | 65.0 Quarter Units  |
| Nursing Administration, Leadership, and Management   | 65.0 Quarter Units  |
| Post-Graduate APRN Certificate Program               | 41.0 Quarter Units  |
| <b>Master of Science Degree in Clinical Research</b> | 84.5 Quarter Units  |
| <b>Undergraduate Degree Programs</b>                 |                     |
| Bachelor of Science in Nursing                       | 189.0 Quarter Units |
| RN to BSN  | 44.0 Quarter Units  |
| LVN to BSN (45 unit option)                          | 45.0 Unit Option    |
| Bachelor of Science in Pharmaceutical Sciences       | 189.0 Quarter Units |

Instruction is in residence only with no distance learning programs at this time.

California statute requires that students, who successfully complete courses of study, be awarded appropriate degrees or certificates verifying the fact. *“As a prospective student, you are encouraged to review this catalog prior to signing an enrollment agreement. You are also encouraged to review the School Performance Fact Sheet which must be provided to you prior to signing an enrollment agreement. The School Performance Fact Sheet requires your signature and initials, once completed; the form will be retained by the school in your student folder.”* This information may be found at [www.auhs.edu/resources/other-resources/student-achievement/](http://www.auhs.edu/resources/other-resources/student-achievement/).

Prospective enrollees are encouraged to visit the physical facility of the school and to discuss your personal educational and occupational plans with school personnel prior to enrolling or signing Enrollment Agreements. The University currently has available several sponsored programs, government or otherwise, to provide grants or to pay for portions of tuition and fees for those who qualify. Please refer to the Financial Information section for specific programs.

Persons seeking to resolve problems or complaints should first contact the instructor in charge. Requests for further action may be made to the education Director Student Affairs, Program Director, Dean, VP/COO and Provost/CNA, or the President. Grievances may be filed with AUHS' approving, accrediting/government agencies such as WSCUC, TRACS, BPPE, BRN, CCNE. AUHS will cooperate with all its approving, governing/accrediting agencies in any complaint proceedings.

**WASC Senior College and University Commission (WSCUC)**  
1001 Marina Avenue, Suite 100, Alameda, CA 94501  
Tel: (510) 748-9001 | Fax: (510) 748-9797  
<https://www.wscuc.org/>

**Transnational Association of Christian Colleges and Schools (TRACS)**  
15935 Forest Road, Forest VA 24551  
Tel: (434) 525-9539 | Fax: (434) 616-2638  
<https://tracs.org/>

Forms for filing a grievance can be found at  
[https://tracs.org/Documents/3.TRACSComplaintForm-AgainstInstitution\\_000.pdf](https://tracs.org/Documents/3.TRACSComplaintForm-AgainstInstitution_000.pdf)

**Bureau for Private Postsecondary Education (BPPE)**  
1747 North Market Blvd., Suite 225, Sacramento, CA 95834  
Tel: (916) 574-8900 | Fax: (916) 263-1897  
<https://www.bppe.ca.gov/>

**California Board of Registered Nursing (BRN)**  
1747 N. Market Blvd., Suite 150, Sacramento, CA 95834  
Tel: (916) 322-3350 | Fax: (916) 574-7699  
<https://www.rn.ca.gov/>

**Commission on Collegiate Nursing Education (CCNE)**  
655 K Street NW, Suite 750 Washington DC 20001  
Tel: (202) 887-6791 | Fax: (202) 887-8476  
<https://www.aacnursing.org/CCNE>

**Accreditation Council for Pharmacy Education (ACPE)**  
190 S. LaSalle Street, Suite 2850 Chicago, Illinois 60603-3499  
Tel: (312) 644-3575 | Fax: (866) 228-2631  
<https://www.acpe-accredit.org/>

Any questions a student may have regarding this catalog that have not been satisfactorily answered by the institution may be directed to the Bureau for Private Postsecondary Education at 1747 North Market Blvd., Suite 225, Sacramento, CA 95834, <https://www.bppe.ca.gov/> toll free number (888) 370-7589 or by fax (916) 263-1897.

“A student or any member of the public may file a complaint about this institution with the Bureau for Private Postsecondary Education by calling toll free number (888) 370-7589 or by completing a complaint form, which can be obtained on the bureau's Internet Web site <https://www.bppe.ca.gov/>.”

AUHS is not operating as a debtor in possession, has not filed a petition within the preceding five years, or has not had a petition in bankruptcy filed against it within the preceding five years that resulted in reorganization under Chapter 11 of the United States Bankruptcy Code (11U.S.C. Sec. 1101 et seq.). AUHS has no pending petition in bankruptcy.

All information in this school catalog is current and correct and is so certified as true.

## TABLE OF CONTENTS

|   |    |  |    |
|---|----|--|----|
| WELCOME MESSAGE FROM THE PRESIDENT.....                                     | 2  | Advising .....   | 22 |
| APPROVAL DISCLOSURE STATEMENT.....  | 3  | Center for Academic Success (CAS).....   | 22 |
| UNIVERSITY VISION, MISSION, PHILOSOPHY,<br>OUTCOMES, AND GOALS.....         | 8  | Students Needing Counseling Services .....   | 22 |
| VISION OF AUHS .....  | 8  | University Student Orientation .....   | 22 |
| STATEMENT OF FAITH .....  | 9  | Housing .....  | 22 |
| MISSION OF AUHS.....  | 9  | Career Services.....   | 22 |
| SCHOOL HISTORY/LEGAL STATUS .....   | 9  | Clubs and Organizations:.....  | 23 |
| BOARD OF TRUSTEES.....  | 9  | STUDENT CONDUCT AND DISCIPLINE .....   | 23 |
| BANKRUPTCY STATEMENT .....  | 10 | STUDENT’S RIGHTS AND RESPONSIBILITIES .....  | 24 |
| INSTITUTIONAL LEARNING OUTCOMES (GOALS).....                                | 10 | I. Policy Statement .....  | 24 |
| PHILOSOPHY & PRINCIPLES OF THE UNIVERSITY .....                             | 10 | II. Definitions .....  | 24 |
| GENERAL INFORMATION .....   | 11 | III. AUHS Disability Categories for Reporting Purposes .....                                   | 25 |
| INSTRUCTION BY LANGUAGE .....   | 12 | IV. Process .....  | 26 |
| LOCATION .....  | 12 | V. Student Accommodation Denial Appeal .....   | 27 |
| HOURS OF OPERATION .....  | 12 | Student Grievance Procedure for Claims of Discrimination,<br>Harassment, and Retaliation ..... | 27 |
| ACADEMIC CALENDAR.....  | 12 | Definition of Sexual Harassment .....  | 30 |
| Winter Quarter 2021 .....   | 12 | Reporting Prohibited Harassment, Including Sexual<br>Harassment .....                          | 31 |
| Spring Quarter 2021 .....   | 12 | ACADEMIC STUDENT COMPLAINTS/ GRIEVANCES<br>(NOT FOR DISABILITY/ HARASSMENT).....               | 32 |
| Summer Quarter 2021.....  | 12 | Agreement to Binding, Individual Arbitration and Waiver of<br>Jury Trial .....                 | 33 |
| Fall Quarter 2021 .....   | 12 | Procedure for Filing an Individual Arbitration .....   | 34 |
| PHYSICAL FACILITIES.....  | 12 | ADDITIONAL INFORMATION .....   | 34 |
| Graduate Degree Programs .....  | 12 | Copyright Infringement Policy .....  | 34 |
| Undergraduate Degree Programs .....   | 12 | Sanctions .....  | 34 |
| BELIEFS .....   | 13 | Annual Disclosure and Education.....   | 35 |
| GRADUATE DEGREE PROGRAMS .....  | 13 | Alternatives to Illegal File Sharing.....  | 35 |
| Doctor of Pharmacy.....   | 13 | AUHS is a Drug-Free Campus .....   | 35 |
| UNDERGRADUATE DEGREE PROGRAM .....  | 13 | Drug Free Schools Act .....  | 35 |
| UNIVERSITY EXTENSION PROGRAM .....  | 13 | Campus Crime and Security Act .....  | 35 |
| RIGHTS OF THE UNIVERSITY .....  | 13 | Safety Information.....  | 36 |
| CANCELLATION OF CLASSES .....   | 13 | Dress Code .....   | 36 |
| Insufficient Enrollment .....   | 13 | Library Services .....   | 36 |
| CLOSURE OF A PROGRAM .....  | 13 | Nursing Skills Laboratory .....  | 36 |
| ACCREDITATIONS, APPROVALS AND MEMBERSHIPS                                   | 13 | Lost and Found.....  | 36 |
| WASC Senior Colleges and University Commission (WSCUC)<br>.....             | 13 | Parking Policies.....  | 36 |
| Bureau of Private Postsecondary Education (BPPE) .....                      | 14 | Notice to Applicants and Students with Misdemeanor and<br>Felony Convictions.....              | 37 |
| Commission on Collegiate Nursing Education (CCNE) ....                      | 14 | Background Check Policies.....   | 37 |
| Transnational Association of Christian Colleges and Schools<br>(TRACS)..... | 14 | State and National Board Examinations/Licensure<br>Requirements.....                           | 37 |
| Accreditation Council for Pharmacy Education (ACPE) .....                   | 14 | REGULATIONS .....  | 38 |
| Professional Memberships .....  | 14 | ACADEMIC FREEDOM.....  | 39 |
| LIMITATIONS OF THE DEGREE PROGRAM.....                                      | 14 | Freedom to Inquire and to Publish.....   | 39 |
| GOVERNANCE AND ADMINISTRATION.....  | 15 | Patents and Royalties from Patents.....  | 39 |
| BOARD OF TRUSTEES.....  | 16 | Freedom to Teach.....  | 39 |
| ADMINISTRATION.....   | 16 | Freedom to Question and to Criticize .....   | 39 |
| FACULTY-School of Nursing.....  | 16 | Faculty Senate Bylaws .....  | 40 |
| SON Clinical Skills Assistant Instructor .....                              | 17 | INSTITUTIONAL PLAN .....   | 40 |
| FACULTY-SON Graduate Programs .....   | 18 | ACCESS TO INFORMATION .....  | 40 |
| FACULTY - School of Clinical Research.....                                  | 18 | PROCEDURES FOR KEEPING EDUCATIONAL RECORDS<br>.....  | 40 |
| FACULTY - School of Pharmacy .....  | 18 | Disclosure of Student Record of Conduct.....   | 41 |
| DEPARTMENT OF PHARMACEUTICAL SCIENCE.....                                   | 18 | FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF<br>1974, AS AMENDED “FERPA”.....                  | 41 |
| DEPARTMENT OF CLINICAL AND ADMINISTRATIVE<br>SCIENCES .....                 | 19 |  |    |
| FACULTY - General Education.....  | 20 |  |    |
| STUDENT ACTIVITIES AND SERVICES.....  | 21 |  |    |
| General Information.....  | 22 |  |    |

|   |    |   |    |
|---|----|---|----|
| STUDENT RIGHT TO KNOW AND CAMPUS SECURITY ACT OF 1990 .....       | 42 | ADMISSIONS REQUIREMENTS .....                                       | 54 |
| CREDIT EVALUATION .....   | 42 | TRANSFER CREDITS .....  | 54 |
| HEALTH AND PHYSICAL CONSIDERATION .....                           | 42 | CANCELLATION OF ADMISSION .....                                     | 55 |
| FINANCIAL AID .....   | 43 | TEST .....  | 55 |
| GENERAL INFORMATION .....   | 44 | Language Requirement .....  | 55 |
| FINANCIAL AID AVAILABLE .....                                     | 44 | INTERNATIONAL STUDENTS .....  | 55 |
| Federal Pell Grant for 2020-2021 (FPELL) .....                    | 44 | Official Transcripts and Records .....                              | 55 |
| Federal Supplemental Educational Opportunity Grant (FSEOG) .....  | 44 | Financial Certifications .....                                      | 55 |
| Federal Work Study .....  | 44 | Visa Requirements .....   | 56 |
| Subsidized Federal Stafford Loan .....                            | 44 | Health Insurance Requirement .....                                  | 56 |
| Unsubsidized Federal Stafford Loan .....                          | 44 | DOCTOR OF PHARMACY (PharmD) .....                                   | 57 |
| Federal PLUS Loans .....  | 45 | LEADERSHIP .....  | 57 |
| Federal Direct PLUS Loans for Graduate Students (GRAD PLUS) ..... | 45 | SCHOOL OF PHARMACY FACULTY .....                                    | 57 |
| Private Loans .....   | 45 | VISION .....  | 57 |
| APPLICATION PROCEDURE FOR FINANCIAL AID .....                     | 45 | MISSION .....   | 57 |
| STUDENT ELIGIBILITY .....   | 45 | DOCTOR OF PHARMACY .....  | 58 |
| DETERMINING STUDENT NEED .....                                    | 45 | Objectives .....  | 58 |
| DURATION OF AWARDS .....  | 45 | Program Learning Outcomes (PLOs) .....                              | 58 |
| SCHOLARSHIPS .....  | 46 | Admissions .....  | 59 |
| VETERAN'S BENEFITS .....  | 46 | Prerequisite Education Requirement .....                            | 59 |
| TEXTBOOKS .....   | 46 | State and National Board Examinations/ Licensure Requirements ..... | 60 |
| GRADE LEVEL DEFINITION .....                                      | 46 | Graduation Requirements .....                                       | 61 |
| ACADEMIC YEAR .....   | 47 | Doctor of Pharmacy Core Course List .....                           | 61 |
| FINANCIAL AID IMPLICATIONS .....                                  | 47 | Doctor of Pharmacy Course Descriptions .....                        | 62 |
| Satisfactory Academic Progress .....                              | 47 | ADMISSIONS TO MASTERS LEVEL PROGRAMS .....                          | 70 |
| Financial Aid Probation .....                                     | 47 | QUARTER SYSTEM .....  | 71 |
| Incompletes, Withdrawals, Repetitions .....                       | 47 | Definition of Quarter Credit Unit .....                             | 71 |
| Maximum Time Frame .....  | 47 | Course Numbering System .....                                       | 71 |
| Reinstatement of Financial Aid Eligibility .....                  | 47 | ADMISSIONS PROCEDURES .....   | 71 |
| Notice to Applicants of Financial Aid .....                       | 47 | ADMISSIONS REQUIREMENTS .....                                       | 71 |
| Educational Purpose .....   | 47 | CANCELLATION OF ADMISSION .....                                     | 71 |
| Participation in Financial Aid Programs .....                     | 47 | TEST .....  | 71 |
| TUITION AND FEES SCHEDULE .....                                   | 48 | Language Requirement .....  | 71 |
| TUITION PAYMENT .....   | 49 | INTERNATIONAL STUDENTS .....  | 72 |
| PAST DUE ACCOUNT .....  | 49 | Official Transcripts and Records .....                              | 72 |
| REFUND POLICIES .....   | 49 | Financial Certifications .....                                      | 72 |
| Return of Title IV Funds .....                                    | 49 | Visa Requirements .....   | 72 |
| CANCELLATION AND WITHDRAWAL REFUND POLICY .....                   | 50 | Health Insurance Requirement .....                                  | 73 |
| Cancellation Refund Policy .....                                  | 50 | MASTER OF SCIENCE IN NURSING (MSN) .....                            | 74 |
| Withdrawal Refund Policy .....                                    | 50 | MISSION .....   | 74 |
| STATE REFUND POLICIES .....                                       | 50 | Master of Science in Nursing (MSN) Degree .....                     | 75 |
| California State Refund Policy .....                              | 50 | Program Learning Outcomes (PLOs): .....                             | 75 |
| Student Tuition Recovery Fund .....                               | 51 | Admissions .....  | 75 |
| REFUND AND DISTRIBUTION POLICY .....                              | 52 | Graduation Requirements .....                                       | 76 |
| TUITION FEES AND REPAYMENT .....                                  | 52 | Master of Science in Nursing (MSN) Course List .....                | 76 |
| Repayment .....   | 52 | MSN PROGRAM INFORMATION .....                                       | 77 |
| Errors, Fraud, and Abuse .....                                    | 52 | MASTER OF SCIENCE IN NURSING COURSE DESCRIPTIONS .....              | 77 |
| FULL-TIME ENROLLMENT .....  | 52 | MASTER OF SCIENCE IN CLINICAL RESEARCH .....                        | 82 |
| NATIONAL STUDENT LOAN DATA SYSTEM .....                           | 52 | MISSION .....   | 82 |
| ADMISSIONS TO DOCTORAL LEVEL PROGRAMS .....                       | 53 | MASTER OF SCIENCE IN CLINICAL RESEARCH .....                        | 83 |
| QUARTER SYSTEM .....  | 54 | Goals .....   | 83 |
| Definition of Quarter Credit Unit .....                           | 54 | Program Learning Outcomes (PLOs) .....                              | 83 |
| Course Numbering System .....                                     | 54 | Admissions .....  | 83 |
| ADMISSIONS PROCEDURES .....                                       | 54 | Graduation Requirements .....                                       | 84 |
|   |    | Award of the Master's Degree .....                                  | 84 |

|   |     |  |     |
|---|-----|--|-----|
| Occupational Options for Masters of Science in Clinical Research..... | 84  | MISSION .....  | 108 |
| Foundational/Pre-requisite Courses .....                              | 84  | BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES (BSPS).....                       | 109 |
| MSCR COURSE LIST .....  | 84  | Admissions.....  | 109 |
| MSCR PROGRAM INFORMATION .....  | 85  | Transferring into BSPS.....  | 109 |
| MASTER OF SCIENCE IN CLINICAL RESEARCH COURSE DESCRIPTIONS.....       | 85  | Objectives.....  | 109 |
| ADMISSIONS TO BACCALAUREATE LEVEL PROGRAMS .....                      | 88  | Program Learning Outcomes (PLOs) .....   | 109 |
| QUARTER SYSTEM.....   | 89  | Graduation Requirements:.....  | 110 |
| Definition of Quarter Credit Unit .....                               | 89  | Required General Education Courses.....  | 110 |
| Course Numbering System .....   | 89  | Other Require Courses .....  | 110 |
| ADMISSIONS PROCEDURES.....  | 89  | BSPS CORE Course List.....   | 111 |
| ADMISSIONS REQUIREMENTS .....   | 89  | BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES COURSE DESCRIPTIONS .....         | 111 |
| General Requirements for High School Graduates .....                  | 90  | BSPS CORE Courses .....  | 115 |
| General Requirements for Transfer Applicants.....                     | 90  | ADMISSIONS TO CERTIFICATE PROGRAMS .....   | 118 |
| PROVISIONAL ADMISSION .....   | 90  | ADMISSIONS PROCEDURES .....  | 119 |
| CANCELLATION OF ADMISSION .....                                       | 90  | ADMISSIONS REQUIREMENTS.....   | 119 |
| TESTS.....  | 90  | CANCELLATION OF ADMISSION .....  | 119 |
| University Entrance Test: Wonderlic Scholastic Test .....             | 90  | TEST.....  | 119 |
| Proficiency Assessment Test Requirements .....                        | 90  | AUHS EXTENSION PROGRAM (OPEN UNIVERSITY) ..                                      | 120 |
| The TEST of Essential Academic Skills (TEAS).....                     | 91  | PHARMACY TECHNICIAN .....  | 121 |
| ADMISSIONS FOR INTERNATIONAL STUDENTS.....                            | 91  | Program Learning Outcomes (PLOs).....  | 121 |
| Official Transcripts and Records .....                                | 91  | PROGRAM OUTLINE.....   | 121 |
| Language Requirement.....   | 91  | Graduation Requirements .....  | 121 |
| Financial Certifications .....  | 92  | Pharmacy Technician Course Descriptions.....                                     | 121 |
| Visa Requirements .....   | 92  | TRANSFER OF CREDIT .....   | 123 |
| Insurance Requirement .....   | 92  | TRANSFER OF CREDIT .....   | 124 |
| BACHELOR OF SCIENCE IN NURSING .....                                  | 93  | TRANSFER OF CREDIT POLICY.....   | 124 |
| MISSION.....  | 93  | CREDIT BY EXAMINATION .....  | 125 |
| BACHELOR OF SCIENCE IN NURSING .....                                  | 94  | TRANSFERABILITY OF CREDITS .....   | 125 |
| Admissions .....  | 94  | CREDIT FOR PRIOR EXPERIENTIAL LEARNING .....                                     | 125 |
| Program Learning Outcomes (PLOs).....                                 | 94  | CREDIT FOR EXTERNAL EXAMINATIONS AP/ IB/CLEP EXAMINATIONCREDIT .....             | 126 |
| Alignment .....   | 95  | Credit for Advanced Placement (AP) Exams .....                                   | 126 |
| RN to BSN Program .....   | 95  | Credit for College Level Examination Program (CLEP) .....                        | 126 |
| Program Learning Outcomes (PLOs) RN to BSN .....                      | 96  | Credit for The International Baccalaureate (IB) Program .....                    | 127 |
| RN to BSN Program (Post-Licensure) Requirements .....                 | 96  | LVN 45-Unit Option.....  | 127 |
| RN to BSN Program Information.....                                    | 97  | STANDARDS FOR STUDENT ACHIEVEMENT.....   | 128 |
| Graduation Requirements .....   | 97  | GRADING SYSTEM AND PROGRESS EVALUATION ..  | 129 |
| LVN 45 Unit Option.....   | 98  | DEFINITION OF OTHER GRADES .....   | 129 |
| LVN Applicants (to the BSN Program).....                              | 98  | Minimum Grade Point Average.....   | 129 |
| LVN Challenge Exams .....   | 99  | Conditions for Re-enrollment .....   | 129 |
| General Education Course Requirements.....                            | 99  | SATISFACTORY ACADEMIC PROGRESS.....  | 129 |
| Program Learning Outcomes (PLOs).....                                 | 100 | Evaluation Points .....  | 129 |
| Program Requirements .....  | 100 | Pass/No Pass Courses.....  | 129 |
| Graduation Requirements for Bachelor of Science in Nursing .....      | 100 | Evaluation Points Standards .....  | 130 |
| Occupational Options for Nursing Graduates.....                       | 101 | Cumulative GPA Requirements.....   | 130 |
| General Education Program Learning Outcomes (PLOs).....               | 101 | Completion Rate Requirements.....  | 130 |
| Required General Education Courses .....                              | 101 | Financial Aid Warning, Financial Aid Probation and Financial Aid Dismissal ..... | 130 |
| Other Require Courses.....  | 101 | SATISFACTORY ACADEMIC PROGRESS (SAP) PROBATIONOR DISMISSAL APPEAL.....           | 131 |
| Nursing Theory and Clinical Courses (CORE Courses).....               | 101 | Appeal Process/Dismissal .....   | 131 |
| BACHELOR OF SCIENCE IN NURSING COURSE DESCRIPTIONS.....               | 102 | Reestablishment as a regular (Title IV eligible) .....                           | 132 |
| REQUIRED GENERAL EDUCATION COURSES.....                               | 103 | MAXIMUM PROGRAM LENGTH .....   | 132 |
| BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES .....                  | 108 | Bachelors and Master's Program .....   | 132 |
|   |     | Doctor of Pharmacy Program .....   | 132 |
|   |     | DUAL DEGREE .....  | 132 |

|   |     |  |     |
|---|-----|--|-----|
| PROGRAM CHANGES.....                              | 132 | Study Sessions.....                            | 135 |
| INCOMPLETES, WITHDRAWALS AND REPETITION OF        |     | ACADEMIC AWARDS .....                          | 136 |
| COURSES .....                                     | 132 | Graduation Awards.....                         | 136 |
| Incomplete .....                                  | 133 | QUARTER AWARDS.....                            | 136 |
| Repetition of Courses with C-/D-F Grades .....    | 133 | President’s List.....                          | 136 |
| Repetition of Courses .....                       | 133 | Dean’s List .....                              | 136 |
| Repeating Courses.....                            | 133 | ACADEMIC HONOR CODE .....                      | 136 |
| Withdrawal from Courses.....                      | 133 | Academic Integrity .....                       | 136 |
| Foundation Course Credit.....                     | 134 | STUDENT CONDUCT POLICY .....                   | 136 |
| Transfer Credit.....                              | 134 | Copyright Policy.....                          | 136 |
| PROBATION.....                                    | 134 | Statement of Non-Discrimination.....           | 136 |
| Academic Dismissal.....                           | 134 | Equal Opportunity .....                        | 136 |
| Non-Academic Probation .....                      | 134 | Written Paper Format .....                     | 137 |
| Warning (All Program) .....                       | 134 | Make-up Work .....                             | 137 |
| Clinical Warning (For Nursing Program Only).....  | 134 | Cheating.....                                  | 137 |
| Theory Warning (All Programs).....                | 135 | Remediation .....                              | 137 |
| Procedure for Warning (All Programs).....         | 135 | LEAVE OF ABSENCE POLICY .....                  | 137 |
| Factors Affecting Program Length.....             | 135 | Deployed Military Leave of Absence (LOA) ..... | 138 |
| Theory Course Failure.....                        | 135 | TERMINATION PROCEDURES .....                   | 138 |
| Readmission to Undergraduate and Graduate Program |     | ATTENDANCE/TARDINESS.....                      | 138 |
| Procedure:.....                                   | 135 | Attendance Considerations.....                 | 139 |
| Examinations .....                                | 135 | Withdrawal.....                                | 139 |



# UNIVERSITY VISION, MISSION, PHILOSOPHY, OUTCOMES, AND GOALS

## VISION OF AUHS

*There is a dream that each of us has inside. It speaks of a better time, of a better life, of a better world.*

*There is a voice that comes from God and shows to each, "the way", then say, "come abide."*

*There is a need that cries, must be satisfied, requires of us to care, to help, to give, set self aside.*

*That all might have the chance to believe, to learn, to create, to succeed.*



Nursing Students giving away meals for the "Acts of Love" holiday event.

## STATEMENT OF FAITH

American University of Health Sciences recognizes that there is a body of knowledge with which the humanities, the natural sciences, the social sciences, theology, and professional studies are to be differently but compatibly concerned.

We pursue truth to glorify the God and Father of our Lord Jesus Christ: praying for the coming of the Spirit; remembering the promise of Scripture and tradition; keeping our hearts faithfully attuned to the voice of God; and being thoughtfully, acutely, and critically engaged.

American University of Health Sciences affirms a statement of faith that defines its doctrinal convictions as follows:

1. We believe in one God, Creator of all things, holy, infinitely perfect, and eternally existing in a loving unity of three equally divine Persons: The Father, the Son, and the Holy Spirit. Having limitless knowledge and sovereign power, God has graciously purposed from eternity to redeem a people for Himself and to make all things new for His own glory.
2. We believe that the Old Testament and the New Testament Scriptures, given by plenary inspiration, contain all truth necessary to faith and Christian living.
3. We believe that God created Adam and Eve in His image, but they sinned when tempted by Satan. In union with Adam, human beings are sinners by nature and by choice, alienated from God, and under His wrath. Only through God's saving work in Jesus Christ can we be rescued, reconciled, and renewed.
4. We believe that Jesus Christ is God's incarnate, fully God and fully man, one Person in two natures. Jesus—Israel's promised Messiah—was conceived through the Holy Spirit and born of the Virgin Mary. He lived a sinless life, was crucified under Pontius Pilate, arose bodily from the dead, ascended into heaven and sits at the right hand of God the Father as our High Priest and Advocate.
5. We believe that Jesus Christ, as our representative and substitute, shed His blood on the cross as the perfect, all-sufficient sacrifice for our sins. His atoning death and victorious resurrection constitute the only ground for salvation.
6. We believe that the Holy Spirit, in all that He does, glorifies the Lord Jesus Christ. He convicts the world of its guilt. He regenerates sinners, and in Him they are baptized into union with Christ and adopted as heirs in the family of God. He also indwells, illuminates, guides, equips, and empowers believers for Christ-like living and service.
7. We believe that God's justifying grace must not be separated from His sanctifying power and purpose. God commands us to love Him supremely and others sacrificially, and to live out our faith with care for one another, compassion toward the poor and justice for the oppressed. With God's Word, the Spirit's power, and fervent prayer in Christ's name, we are to combat the spiritual forces of evil. In obedience to Christ's commission, we are to make disciples among all people, always bearing witness to the gospel in word and deed.
8. We believe in the personal, bodily, and glorious return of our Lord Jesus Christ with His holy angels when He will bring His kingdom to fulfillment and exercise His role as

Judge of all. This coming of Christ, at a time known only to God, demands constant expectancy and, as our blessed hope, motivates the believer to Godly living, sacrificial service, and energetic mission.

9. We believe that God commands everyone everywhere to believe the gospel by turning to Him in repentance and receiving the Lord Jesus Christ.
10. We believe that God will raise the dead bodily and judge the world, assigning the unbeliever to condemnation and eternal conscious punishment and the believer to eternal blessedness and joy with the Lord in the new heaven and the earth, to the praise of His glorious grace.
11. We believe that from the beginning of God's revelation to humankind. He revealed His order of creation and His purpose in creating man and woman. God ordain that traditional family is between a man and a woman.

## MISSION OF AUHS

American University of Health Sciences, a private Christian-based, minority-serving university of higher education, welcomes students of diverse backgrounds and prepares them to make a positive impact on society through the provision of exceptional quality patient-centered care within the context of a global perspective of the human condition. This mission is accomplished through the creation of a strong and caring academic environment where excellence, diversity, and the development of the entire person—mind, body, and spirit—is addressed and where teaching/learning, research, service and scholarship is valued and supported. Inspired by a strong belief in God and the Christian values of love and caring for humankind, and of justice and respect, the University's core values include a holistic approach to education, promotion of the intellectual, analytical, and critical thinking abilities of the students, evidence-based knowledge, and service to our fellow man, and a commitment to life-long learning. The Board of Trustees have reviewed and approved the Mission of AUHS.

## SCHOOL HISTORY/LEGAL STATUS

The American University of Health Sciences (AUHS) is a Private- for-Profit, Minority Owned, and Minority Serving, Christian Based University originally established in 1994 by Kim Dang, Founder, and Gregory Johnson, co-founder. AUHS is a postsecondary educational institution aimed to prepare and equip students for life careers in the field of health education and to produce quality allied health professionals for the community and the country. The American University of Health Sciences was established as an S Corporation and is wholly owned subsidiary of American University of Health Sciences, Inc.

## BOARD OF TRUSTEES

### Non-AUHS Affiliated Members

|                                |                 |
|--------------------------------|-----------------|
| Suzanne Richards, MSN          | External Member |
| Song Tan, MD, FAAP             | External Member |
| Thi Dang, PharmD               | External Member |
| Betty Williams, DrPH, RN, FAAN | External Member |
| Jeffrey Davis                  | External Member |

### AUHS Affiliated Members

|                        |                 |
|------------------------|-----------------|
| Pastor Gregory Johnson | Internal Member |
| Kim Dang               | Internal Member |

## **BANKRUPTCY STATEMENT**

AUHS is not operating as a debtor in possession, has not filed a petition within the preceding five years, or has not had a petition in bankruptcy filed against it within the preceding five years that resulted in reorganization under chapter 11 of the United States Bankruptcy Code (11 U.S.C., Sec. 1101 et seq.). AUHS has no pending petition in bankruptcy.

## **INSTITUTIONAL LEARNING OUTCOMES (GOALS)**

AUHS Institutional Learning Outcomes (goals) are centered around five (5) core guiding concepts/major pillars or what we also termed as hallmarks, which include: 1) Performance (Academic Excellence/ Research/ Scholarship); 2) Cultural Competence; 3) Critical Thinking to enhance academic preparation; 4) Social Responsibility (Service); and 5) Christian Values. These hallmarks enhance both our undergraduate and graduate students, and all include innovation, implementation, and assessments components. Each hallmark is presented as follows; first we offer factual and contextual materials to explain the importance of these hallmarks. Second, we offer primary goals we derived from these hallmarks. Finally, we offer anticipated results where we describe what we envision are parameters that are well underway with a specified day of completion.

1. **Performance. (Academic Excellence/ Research/ Scholarship).** In the area of performance, graduates will demonstrate social, philosophical knowledge of their profession/career pathway (i.e., nursing, pharmacy, pharmacy technician, clinical research, etc.)
2. **Cultural Competence (Diversity).** In the area of cultural competence, graduates will deliver culturally competent and sensitive caring that is evidence-based in the appropriate health career (i.e., nursing, pharmacy, pharmacy technician, clinical research, etc.) service area.
3. **Critical Thinking (Academic Preparation or Excellence/ Education).** In the area of critical thinking, graduates will apply critical thinking as the theoretical and scientific underpinnings to the appropriate health career occupation (i.e., nursing, pharmacy, pharmacy technician, clinical research, etc.) to build a solid foundation and drive the profession forward.
4. **Social Responsibility (Service).** In the area of social responsibility, graduates will develop social and personal responsibility for ongoing professional growth and development including higher education in the appropriate health career profession (i.e., nursing, pharmacy, pharmacy technician, clinical research, etc.).
5. **Christian Values.** Throughout the program and upon completion of the appropriate health sciences career programs (i.e., nursing, pharmacy, pharmacy technician, clinical research, etc.), students should be able to affect positive clients-patient outcomes by sharing their Christian Values of love, caring, justice and respect, as an advocate client-patient needs and rights.

AUHS recognizes its critical role in community development and social health service through our Christian Values. As a university, we acknowledge that institutional success is defined in large part by what students give back to society, and how students make a difference beyond the four walls of the classroom. As a University, we impress upon all graduates the need for a higher mission based on our Christian Values that

encompasses the noble privilege of community service and the need for improving the quality of healthcare in our society through both provision of care and scholarly study of the impact of that care.

## **PHILOSOPHY & PRINCIPLES OF THE UNIVERSITY**

The objective of the University is to prepare a professional and culturally diverse workforce for the pharmaceutical, nursing, and clinical research sectors within healthcare. As previously stated, one of our stated purposes is to create a workforce who will utilize research evidence-based practice to guide healthcare delivery. It is the mission and purpose of AUHS that these professionals will understand the application of research; display competencies to apply evidence-based practice and will have been infused with the desire to continue their education with the intent toward becoming practice professional leaders, future research scientists and faculty within their professional domain.

To this end, the University upholds the following as its guiding principles and philosophies:

- The University adopts a holistic approach to education and promotes total development of mind, body, and spirit, while promoting the intellectual, analytical, and critical abilities of its students, complemented with solid values such as service and commitment to life-long learning.
- All students must acquire the fundamental knowledge and understanding of science and how it relates to their individual domain—pharmacy, nursing, medicine—and appreciate how these disciplines have evolved, are integrally related, and are individually and collectively continually changing human life. The knowledge that students gain will not be limited to theories but instead will extend to actual clinical application, which will include clinical - laboratory - practice experiences, externships, and community service.
- The University thrives in an intimate and quality learning environment, a place for creative individual expression as well as fruitful social interaction. The University harnesses a dynamic, enriching environment where students can freely interact with accomplished and dedicated faculty, who embrace and exemplify the values of the University, and utilize a rich array of library, internet, and interactive learning tools.
- The University recognizes its critical role in community development and social health service. It is aware that institutional success lies behind what its students and graduates give back to society. The University seeks to impress upon all its graduates the higher mission and noble privilege of community service and improving the quality of healthcare through both provision of care and scholarly study of the impact of that care.
- The University commits to continually develop and upgrade curricula and courseware to enable students and practitioners to stay up-to-date and conversant on prevailing practices and technologies affecting the health care industry.
- All graduates of the University shall have an accurate understanding of how they, as practitioners in the field, fit into the larger and real- world community that they serve. Graduates will possess the competencies necessary to provide excellent care and service within their domain with a thorough foundation in science, social/behavioral, leadership, and interpersonal- interactional knowledge and skills

## GENERAL INFORMATION

*“How blessed is the man who does not walk in the counsel of the wicked, nor stand in the path of sinners, nor sit in the seat of scoffers! But his delight is in the law of the LORD, and His law he meditates day and night. He will be like a tree firmly planted by streams of water, which yields its fruit in its season and its leaf does not wither; and in whatever he does, he prospers.” - Psalm 1:1-3*



Front, American University of Health Sciences

## INSTRUCTION BY LANGUAGE

Instruction at AUHS is only delivered in English. Students in the undergraduate programs are required to take the Test of Essential Academic Skills (TEAS-for nursing only) and the Accuplacer to determine their command of the English language. These tests are described further in the catalog.

## LOCATION

AUHS is located at 1600 East Hill St., Signal Hill, CA 90755

Telephone Number (562) 988-2278  
Fax Number (562) 988-1791  
Website [www.auhs.edu](http://www.auhs.edu)

## HOURS OF OPERATION

Office Hours:  
8:00 AM - 7:00 PM Monday through Friday  
12:00 PM – 1:00 PM Closed for Service on Wednesdays Only

School Hours:  
8:00 AM - 10:00 PM Monday through Friday  
12:00 PM – 1:00 PM Closed for School Hours on Wednesdays Only

## ACADEMIC CALENDAR

### Winter Quarter 2021

Jan. 4 Winter Quarter Begins  
Jan. 8 Deadline to Cancel Class  
Jan. 18 Martin Luther King Jr. Day  
Feb. 15 Presidents' Day  
Feb. 19 Deadline to Drop with "W"  
Feb. 19 TEAS Test  
Feb. 26 TEAR Retest  
Mar. 15-19 Final Exams  
Mar. 20-28 Recess

### Financial Aid Important Dates and Deadlines

January 8 Tuition Payment Deadline  
January 18 Cost of Living Allowance

### Spring Quarter 2021

Mar. 29 Spring Quarter Begins  
Apr. 2 Good Friday  
Apr. 2 Deadline to Cancel Class  
May 14 Deadline to Drop with "W"  
May 31 Memorial Day  
Jun. 7-11 Final Exams  
Jun. 12-27 Recess

### Financial Aid Important Dates and Deadlines

Apr. 2 Tuition Payment Deadline  
Apr. 12 Cost of Living Allowance  
Apr. 30 2021-2022 FAFSA Deadline

### Summer Quarter 2021

Jun. 28 Summer Quarter Begins  
Jul. 2 Deadline to Cancel Class  
Jul. 5 Independence Day Observed  
Aug. 13 TEAS Test

Aug. 13 Deadline to Drop with "W"  
Aug. 20 TEAS Retest  
Sept. 6 Labor Day  
Sept. 7-10 Final Exams  
Sept. 11-26 Recess

### Financial Aid Important Dates and Deadlines

Jul. 2 Tuition Payment Deadline  
Jul. 12 Cost of Living Allowance

### Fall Quarter 2021

Sept. 27 Fall Quarter Begins  
Nov. 11 Veterans Day  
Nov. 25-26 Thanksgiving Day  
Dec. 6-10 Final Exams  
Dec. 11-Jan. 2 Recess

### Financial Aid Important Dates and Deadlines

Oct. 1 Tuition Payment Deadline  
Oct. 11 Cost of Living Allowance

## PHYSICAL FACILITIES

The University, the facilities it occupies, and the equipment it utilizes fully comply with all federal, state and local ordinances and regulations, including requirements for fire safety, building safety, handicapped access, and health.

The University occupies a 72,000 square foot complex for classrooms, laboratories, offices, and a student lounge. Adequate parking is provided for all students.

The University uses Canvas, Smart boards, Zoom, Teams, Proctorio, and other electronic media in its didactic instruction. In laboratory experiences, the University uses simulation modules, mannequins, EKG machines and similar health related machines.

The college may from time to time utilize outside facilities (i.e. chemistry lab, etc.) to enhance and augment the quality of the education experience for our students. This statement appears in the catalog and serves as a notice to our students. For example, Chemistry and Biology laboratory may be taught at the Valley Christian High School, 17700 Dumont Ave., Cerritos, CA 90703. Prior to scheduling such a class permission will be obtained from the BPPE and other AUHS accrediting agencies. Students will be notified accordingly.

## Graduate Degree Programs

Doctor of Pharmacy .....183.0 Quarter Units  
Master of Science in Clinical Research .....84.4 Quarter Units  
Master of Science in Nursing with 3 concentrations:  
Family Nurse Practitioner.....85.0 Quarter Units  
Nursing Education.....65.0 Quarter Units  
Nursing Administration, Leadership, and  
Management.....65.0 Quarter Units  
Post-Graduate APRN Certificate Program.....41.0 Quarter Units

## Undergraduate Degree Programs

Bachelor of Science in Nursing.....189.0 Quarter Units  
Bachelor of Science in  
Pharmaceutical Sciences.....189.0 Quarter Units

## BELIEFS

The American University of Health Science believes in the capability of man to improve oneself, and consequently, the society he/she lives in. It aims to provide every individual the opportunity to be responsible for oneself and for others through proper training and education.

In response to the demands of the growing population of students and professionals who desire to become trained health care practitioners and to meet the evolving demands in medical and clinical sciences, the University proposes to offer the following programs, namely:

## GRADUATE DEGREE PROGRAMS

**Doctor of Pharmacy:** This program is a 3-year course of study that will provide an educational foundation for a career in pharmacy and create a practice setting in which evidence-based practices and research, minority inclusion as well as outreach to the community, cultural diversity, public health and wellness, development of future scientists and faculty, and a belief in God can be pursued and developed.

**Master of Science in Nursing:** The Program provides three different concentration for bachelors prepared nurses to advance their careers in the areas of Nursing Education; Nursing Administration, Leadership, and Management; and Advanced Practice as a Family Nurse Practitioner. The courses in the Nurse Administrative, Leadership, and Management option will help the student gain advanced knowledge of organizational leadership, health policy, and evidence-based health care delivery to prepare the student for leadership and administrative roles in a variety of health care situations. The Nursing Education option is designed to prepare students for a nurse educator role in academe and reflects nurse educator competencies in clinical aspects developed by national organizations. The Family Nurse Practitioner (FNP) option prepares nurses to act in an advanced practice role as a provider of primary care.

**Master of Science in Clinical Research:** This program will serve the graduate level educational needs of interested students in the field of clinical research and biotechnology. The program offers more comprehensive cognitive instruction at the graduate level. It particularly enables practitioners in clinical research to have sharp critical and analytical abilities as well as more in-depth and total development of interpersonal attitudes; essential attributes which will further advance and widen professional opportunities for the graduates. The program is open to Bachelor degree holders and to certified healthcare professionals who desire to pursue advanced studies in clinical research.

The growing influx and development of the California and Southern California in research and particularly in the area of Biotech, Bio-Pharmaceutical, Genetic, Medical Device and Pharmaceutical has created a great demand for well educated, highly qualified individuals to take leadership positions in this field. The number of such companies and industries related has all but created a huge gap in meeting current and future needs and the impact that such rapid growth has had on the quality of, level of service for the human population served

has pressed everyone into looking at ways and means to satisfy said demand effectively.

## UNDERGRADUATE DEGREE PROGRAM

**Bachelor of Science in Nursing:** This undergraduate program is open to high school graduates who are interested in becoming Registered Nurses after successfully passing the NCLEX-RN examination.

**Bachelor of Science in Pharmaceutical Sciences:** This undergraduate program is open to high school graduates who are interested in pursuing careers in Pharmacy, Drug Development, Clinical Research, and the health care sector or as a pathway to the doctor of pharmacy program. This program does not lead to licensure as a pharmacist.

## UNIVERSITY EXTENSION PROGRAM

Pharmacy Technician work in a variety of pharmacy environments, such as retail pharmacy, hospital pharmacy, home health care, long term care, and managed care. The purpose of this program is to provide the student with the theory and hands-on experience necessary for an entry-level position as a pharmacy technician capable of working in any pharmacy environment or related allied health industry.

## RIGHTS OF THE UNIVERSITY

American University of Health Sciences reserves the right to make changes at any time to any terms of this catalog, including but not limited to policies, procedures, academic programs and courses, faculty and administrative staff, the academic calendar and the amount of tuition and fees. American University of Health Sciences also reserves the right to make changes in equipment and instructional materials, to modify curriculum or to cancel classes.

## CANCELLATION OF CLASSES

### Insufficient Enrollment

The University reserves the right to cancel any course/classes for which there is insufficient enrollment. If a class is cancelled, the student shall be entitled to either: (1) a guaranteed reservation in the next scheduled class for that program or (2) cancellation of enrollment for that class with a full refund.

## CLOSURE OF A PROGRAM

In the unfortunate event that American University of Health Sciences must close a program; every effort will be made to teach students through a teach-out agreement with another institution offering similar program(s). Students also will have the option to transfer to another course or program, or to accept a mutually agreed upon arrangement between the students and the college, not excluding refund.

## ACCREDITATIONS, APPROVALS AND MEMBERSHIPS

**WASC Senior Colleges and University Commission (WSCUC)** American University of Health Sciences is accredited by the WASC Senior College and University Commission (WSCUC), 1001 Marina Avenue, Suite 100,

Alameda, CA 94501, 510.748.9001. WSCUC is a regional accrediting body recognized by the U.S Department of Education (USDOE) and the Council on Higher Education Accreditation (CHEA). <https://www.wscuc.org/>

#### **Approval Disclosure Statement**

#### **Bureau of Private Postsecondary Education (BPPE)**

American University of Health Sciences is a private institution and is approved to operate by the Bureau of Private Postsecondary Education which means compliance with state standards as set forth in the California Education Code. The Bureau's approval means compliance with minimum state standards and does not imply any endorsement or recommendation by the state or superintendent. Institutional approval must be re-approved every three years and is subject to continuing review. <https://bppe.ca.gov/>

#### **Commission on Collegiate Nursing Education (CCNE)**

The baccalaureate degree program in nursing at American University is accredited by the Commission on Collegiate Nursing Education, 655 K Street, NW, Suite 750, Washington, DC 20001, 202-887-6791.

<https://www.aacnursing.org/>

The AUHS MSN Program has been granted institutional accreditation (WSCUC, TRACS) and State Approval (BPPE).

The master's degree program in nursing and post-graduate APRN certificate at American University of Health Sciences is pursuing initial accreditation by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC 20001, 202- 887-6791. Applying for accreditation does not guarantee that accreditation will be granted.

#### **Transnational Association of Christian Colleges and Schools (TRACS)**

American University of Health Sciences (AUHS) is a member of the Transnational Association of Christian Colleges and Schools (TRACS) 15935 Forest Road, Forest VA 24551; Telephone: (434) 525-9539; e-mail: [info@tracs.org](mailto:info@tracs.org), having been awarded Accredited Status as a Category III institution by the TRACS Accreditation Commission on October 24, 2017. This status is effective for a period of up to five years. TRACS is recognized by the United States Department of Education (USDOE), the Council for Higher Education Accreditation (CHEA), and the International Network for Quality Assurance Agencies in Higher Education (INQAAHE). <https://tracs.org/>

#### **Accreditation Council for Pharmacy Education (ACPE)**

American University of Health Sciences School of Pharmacy's Doctor of Pharmacy program has been granted Precandidate status by the Accreditation Council for Pharmacy Education, 190 South LaSalle Street, Suite 2850, Chicago, IL 60603, 312/644-3575; FAX 866/228-2631. <https://www.acpe-accredit.org/>

#### *Precandidate Status*

Granting of Precandidate status brings no rights or privileges of accreditation as associated with either candidate status or accredited status. Precandidate status indicates only that planning has taken into account ACPE standards and guidelines and suggests reasonable assurance of moving to the next step, that of Candidate status. Since Precandidate status does not create any rights of accreditation under the ACPE standards, it is the opinion of ACPE that graduates of programs of Colleges or Schools of Pharmacy that bear Precandidate status do not meet the educational requirements for licensure.

This University voluntarily undergoes periodic accrediting evaluations by teams of qualified examiners including subject experts and specialists in specified fields of education and school administration.

#### **Professional Memberships**

Accreditation for Pharmacy Educators (CAPE) American Association of Colleges of Pharmacy (AACP) American Association of Colleges of Nursing (AACN) California Association of Colleges of Nursing (CACN) Chapter Founder of ACRP Southern California Consortium of American Schools, Colleges and Universities Continuing Education Provider throughout California:

- Certified Board of Nursing
- California Accreditation for Pharmacy Education (CAPE)

Los Angeles Nursing Consortium

Orange County/Long Beach Consortium for Nursing  
Site for Association of Clinical Research Professionals (ACRP)

#### **LIMITATIONS OF THE DEGREE PROGRAM**

A degree program that is unaccredited or a degree from an unaccredited institution is not recognized for some employment positions, including, but not limited to, positions with the State of California. Student enrolled in an unaccredited institution is not eligible for federal financial aid programs.



B.S. in Nursing, Student Poster Session

## GOVERNANCE AND ADMINISTRATION

*“Therefore, my dear brothers, stand firm. Let nothing move you. Always give yourselves fully to the work of the Lord, because you know that your labor in the Lord is not in vain.”*

*~1 Corinthians 15:58*



AUHS Commencement 2018



## BOARD OF TRUSTEES

|                             |            |
|-----------------------------|------------|
| Suzanne Richards.....       | Chair      |
| Pastor Gregory Johnson..... | Vice Chair |
| Jeffrey Davis.....          | Member     |
| Dr. Song Tan.....           | Member     |
| Dr. Thi Dang.....           | Member     |
| Dr. Betty Williams.....     | Member     |
| Kim Dang.....               | Member     |

## ADMINISTRATION

|                       |  |
|-----------------------|--|
| Caroll Ryan           | President/CEO  |
| Marilyn Uvero         | VP/COO & Provost/CNA                                 |
| Sandy Sarge           | Chief Financial Officer                              |
| Arjun Dutta           | Dean, School of Pharmacy (SOP)                       |
| Mohammed Islam        | Senior Associate Dean, SOP                           |
| Deborah Leveille      | Dean, School of Nursing (SON)                        |
| Arvin Torres          | Asst. Director, SON BSN Program                      |
| Manuel Atienza        | Asst. Director, SON Graduate Programs                |
| Barbara Thurn-Tamayo  | Chair, Son Graduate Programs                         |
| Alamdar Hussain       | Chair, General Education                             |
| Tom Vessella          | Director, Institutional Research and Assessment      |
| Genevieve Javaluyas   | Director, Student Services                           |
| Maria Florida Maloles | Director, Admissions                                 |
| Jemma Paras           | Quality Assurance and Compliance Officer/Publication |
| Venus Cruz            | Financial Aid Administrator                          |
| June Kim              | Librarian  |
| Don Jayathilake       | IT Administrator                                     |

**Ryan, Caroll, PhD (President/CEO)** – PhD, Northcentral University, AZ; MA, Azusa Pacific University, CA; BA, ACSU Fullerton

**Uvero, Marilyn, PhD(c), EdD, MSN, BSN, RN – (VP/COO and Provost CNA)** - PhD(c), Walden University, MN, Public Health Policy and Administration; EdD, Nova Southeastern University, FL, Higher Education Leadership; MSN, California State University, CA - Nursing

**Sarge, Sandy, MACC (Chief Financial Officer)** – MACC, University of South Carolina; BA- Texas A&M University

**Dutta, Arjun, PhD, B. Pharm - (Dean, School of Pharmacy)** PhD in Pharmaceutical Sciences, MCV/Virginia Commonwealth University; B.Pharm, Jadavpur, Calcutta, India

**Islam, Mohammed A, PhD, MPhil, MPharm, BPharm, RPh (Senior Associate Dean of Academic Affairs)** – PhD and MPhil in Cardiovascular Pharmacology, Toyama University, Japan; MPharm and BPharm, University of Dhaka, Bangladesh.

**Leveille, Deborah PhD, RN, CNL (Dean, School of Nursing)**, -PhD-University of Massachusetts Worcester, MA; MSN - University of New Hampshire; BSN-University of New Hampshire

**Torres, Arvin, Assistant Dean of Nursing, MD, MSN, BSN, RN (Assistant Director, SON BSN Program)** – MD, Far Eastern

University, Manila, Philippines; MSN, University of Phoenix; BSN, St. Jude College, Manila, Philippines

**Atienza, Manuel, MD, APRN-CNP, MSN, RN (Assistant Director, SON Graduate Programs)** – MD, University of Santo Tomas (UST), Manila, Philippines - MSN; University of Las Vegas (UNLV), Las Vegas, NV, FNP, Charles Drew University, CA

**Thurn-Tamayo, Barbara, DNP, APRN, FNP-C, CPN (Chair, SON Graduate Programs)** -Frontier Nursing University, Versailles, KY-Doctor of Nursing Practice: Family Nurse Practitioner, California State University-Dominguez Hills, Dominguez Hills, CA - MSN-FNP and BSN, Pasadena City College, Pasadena, CA - Associate of Art/Associate of Science: Nursing

**Alamdar Hussain, PhD, (Chair, General Education)** Associate Professor, BPharm (Kakatiya University, India, PhD (Texas Tech University Health Sciences Center, Amarillo)

**Vessella, Thomas, MA – (Director of Institutional Research and Assessment)** – MA, California State University, Los Angeles, Industrial and Technical Studies: BA, California Polytechnic State University, Industrial Arts.

**Javaluyas, Genevieve (Ivy) (Director of Student Services Department)** – BS Mathematics concentration in Actuarial Science - University of Santo Tomas Manila, Philippines

**Maloles, Maria Florida, MBA (Director of Admissions)** - MBA, DeVry/Keller Graduate School of Management, CA; Bachelor of Science in Business Administration, Philippines

**Paras, Jemma, PhD, MAEd, BEd (Quality Assurance and Compliance Officer/Publication)** – Doctor of Philosophy Major in Education Management; Master of Arts in Education, Bachelors of Elementary Education, Angeles University Foundation, Philippines

**Cruz, Venus, (Financial Aid Administrator)**

**Kim, June, MLIS, (Librarian)** - MLIS, San Jose State University, San Jose California; BA, University of California, Irvine, CA

**Jayathilake, Don (IT Administrator)** - Full Stack Network Associate (FSNA), Cyber Security Specialist (CSS)NexGenT

## FACULTY-School of Nursing

Leveille, Deborah (Dean), PhD, RN, CNL -PhD-University of Massachusetts Worcester, MA; MSN -University of New Hampshire; BSN-University of New Hampshire

Atienza, Manuel, MD, APRN-CNP, MSN, RN (Chair, SON Graduate Programs) – MD, University of Santo Tomas (UST), Manila, Philippines - MSN; University of Las Vegas (UNLV), Las Vegas, NV, FNP, Charles Drew University, CA

Abatay, Victoria, MSN, RN – MSN, California State University, Fullerton, CA; BSN, California State University, Long Beach California, Nursing

Abraham, Mansoureh, MSN, ASN, RN – MSN, California State University, Long Beach California, Nursing

Arambulo, Marithel, MSN, ASN, RN – MSN-Western Governors University, Los Angeles, CA; BSN-St. Paul University Iloilo City, Philippines

Attenello, Marco, MSN, BSN, BA, RN – MSN, West Coast University, CA; BSN- West Coast University, CA; B.A. English, California State University, Northridge, CA.

Bejo-Huerto, Audrey, MSN, BSN, RN – MSN, Regis University, Denver, CO; BSN-University of Santo Tomas, Manila, Philippines

Carranza, Mari, MSN, BSN, RN-MSN-Charles Drew University, Los Angeles, CA; BSN-West Coast University, Anaheim, CA

Carter-Battle, Bobbie, Assistant Dean of Nursing, MSN, RN-MS, University of Phoenix, AZ; BSN-National University, San Diego, CA

Cebedo, Melissa, DNP, MSN, RN – DNP, MSN, Regis University, Denver, CO; BSN-University of Santo Tomas, Manila, Philippines MSN - Western University Pomona, CA; ADN - West Coast University, Anaheim, CA

Feria, Raulin, RN, MSN, CPN, CCRN, PHN, CHEP– MSN-Northwest Nazarene University Nampa, Idaho

Johnson-Brown, Joanne, MSN-Cal State University Dominguez Hills, MA in Sociology- Cal State University Dominguez Hills, BA in Sociology- Cal State University Dominguez Hills, Associate of Arts; Nursing- Mount St. Mary's College

Jordan, Shetona, MSN, BSN, RN – MSN University of Phoenix, CA, BSN, University of Southern California, Los Angeles, CA

Kazibwe, Janet, MSN, BSN, PHN, RN,-MS – Nedu-University of Phoenix, Diamond Bar, CA.; BSN/Public Health Nursing-University of Phoenix, La Mirada, Los Angeles, CA

Kiat-Floro, Joy, MSN, RN – MSN/MBA – University of Phoenix, Arizona

Lingad, Romar, MSN, RN – MSN – Charles Drew University, Los Angeles, CA; BSN- San Lorenzo Ruiz School of Nursing Samar, Philippines

Lorenzo, Jeffrey, MSN, BSN, RN, PHN, CPN – MSN, & BSN-California State University, California State University, Los Angeles

Morante, Pedro, DNP, MSN/FNP, BSN, RN – DNP, Brandman University, Irvine, CA; MS/FNP, Charles Drew University, CA - Nursing Family Nursing

Narasimalu, Meerabi, DNP, FNP-C, MSN, PHN-C, RN – DNP, Wilkes University; MSN/FNP, University of California, Los Angeles, CA; BSN, University of Phoenix, Costa Mesa, CA.

Pecora, Kathleen, MSN, BSN, ASN, RN - MSN/BSN, Grand Canyon University - Nursing; ASN, Cypress College, Cypress, CA - Nursing

Ru, Yin, MSN, BSN, RN – MS Midwifery, Charles Drew University Los Angeles, CA; BSN, California State University, Long Beach, CA

Smith, Trennel, MSN, BSN, RN - MSN, California State University, Dominguez Hills, CA; BSN, California State University, Dominguez Hills, CA

Studer, Katia, MSN, BSN, CNS, RN - MSN, Mount Saint Mary College, CA; BSN, University of Phoenix, CA

Torres, Arvin, Assistant Director of BSN Program, MD, MSN, BSN, RN–MD, Far Eastern University, Manila, Philippines; MSN, University of Phoenix; BSN, St. Jude College, Manila, Philippines

Tran, Tu Thien, MSN, MBA, BSN, RN – MSN-Healthcare Management, MBA, University of Phoenix; BSN, University of California, Los Angeles.

Turkson, Stella, PhD, MSN, RN – PhD – University of California (UCLA), Long Angeles, CA; MSN - Charles Drew University (CDU), Los Angeles, CA; BS – Public Health – California State University (CSU), San Bernardino, CA

Uvero, Marilyn, PhD(c), EdD, MSN, BSN, RN – PhD(c), Walden University, MN - Public health Policy and Administration; EdD-Higher Education Leadership, Nova Southeastern University, FL; MSN, California State University, CA

Wong, Lillian, MSN, BSN, RN – MSN, Charles Drew University Los Angeles, CA; BSN, American University of Health Sciences

Yator, Jeany, MSN, RN, MBA, HCA- MSN/MBA University of Phoenix; BSN St. Jude College, Manila, Philippines

### **SON Clinical Skills Assistant Instructor**

Aspiras, Brent, BSN, RN – BSN, American University of Health Sciences, Signal Hill, CA; VN- Concorde Career College

Castle, Delaney, BSN, RN– BSN, West Coast University, Anaheim, CA

Collazo, Anthony, BSN, RN – BSN, American University of Health Sciences, Signal Hill, CA

Davison, Debra, BSN, RN – BSN, Salt Lake City, UT; ASN-Wilmington, CA

Golian, Susan BSN, RN – BSN, Western Governors University

Justiniano, John Marie, BSN, RN – BSN, West Coast University Ontario, CA

Mack, Sandra, BSN, RN – BSN, California State University, Long Beach, CA; A. D. in Nursing, California State University, Long Beach, CA

Rabadon, Christopher, BSN, RN – BSN, Western Governors University, Pomona, CA; A.D. in Nursing, Kaplan College, North Hollywood.

Santos, Mikhael-Allen, BSN, RN – BSN, American University of Health Sciences, Signal Hill, CA; BSES, University of California Riverside, Riverside, CA

Shearing, Maria, BSN, RN-BSN-American University of Health Sciences

Sun, Chen, BSN, RN – BSN, American University of Health Sciences

Vo, Julie, BSN, RN – BSN, California State University, Long Beach CA

Yoo, David, BSN, RN, BSMB – BS, American University of Health Sciences Signal Hill, CA – Nursing; BS, University of California Berkeley, CA – Microbial Biology

### **FACULTY-SON Graduate Programs**

Atienza, Manuel, MD, APRN-CNP, MSN, RN– MD, University of Santo Tomas (UST), Manila, Philippines - MSN; University of Las Vegas (UNLV), Las Vegas, NV, FNP, Charles Drew University, CA

Alpert, Pat, DrPH, APRN, FNP-BC, PNP-BC, CNE, FAANP, MSN-Loma Linda University, Loma Linda, CA – DrPH (Preventive Care), University of Nevada, Las Vegas, NV – Post-Mater’s Certificate (FNP Track), University of Hawaii, Honolulu, HI - MSN-Maternal-Child CNS & Pediatric Nurse Practitioner (PNP)], MPH (Maternal-Child Health), BSN

De Grano, Gregorio, DNPc, APRN, FNP-C-Brandman University, Irvine, California – Doctor of Nursing Practice (In completion), Charles R. Drew University of Medicine and Science, Los Angeles, California - MSN, FNP, De La Salle University College of Medicine, Cavite, Philippines – MD, Makati Medical Center College of Nursing, Makati City, Philippines – BSN

Evalle, Hazel, DNPc, APRN, MSN, FNP-C, PMHNP-BC Brandman University, Irvine, California – Doctor of Nursing Practice, Charles Drew University of Medicine and Science, Los Angeles, California – MSN, FNP, Mt. Carmel College of Nursing, Bulacan, Philippines-BSN, Far Eastern University Nicanor Reyes Medical Foundation, Manila, Philippines – MD and BSN-Medical Technology

Francisco, Joseph, DNP, MSN, FNP-C -Brandman University, Irvine CA - Doctorate in Nursing Practice/Psychiatric Mental Health Nurse Practitioner, Charles Drew University of Medicine and Science, Los Angeles CA – MSN-FNP, University of La Salette, Santiago City, Philippines - Master of Arts in Nursing and BSN, Philippine Law School, Pasay City, Philippines - Bachelor of Laws, Fatima College of Medicine, Valenzuela Metro-Manila, Philippines – MD, Far Eastern University, Manila City, Philippines - Bachelor of Science in Biology

Lumactod, Jeany, MSN-ED, RN -University of Phoenix, Long Beach Campus, Long Beach, CA – MSN, University of Santo Tomas, Philippines – BSN

Mendoza, Arjay, M.S., PharmD University of Colorado Denver – Anschutz Medical Campus, Aurora, Colorado – PharmD, Trident University International, Cypress, California – M.S. (Public Health), University of the Philippines Manila, Manila, Philippines – BSN in Pharmaceutical Sciences

Smith, Kenya, BSN, RN, MSN, PMHNP -Northern Illinois University, Dekalb, IL, Vocational Nursing License, Casa Loma College, Hawthorne, CA, BSN-American University of Health Sciences, MSN-Charles Drew University of Medicine and Science, Los Angeles, CA

Taheran, Christine, DNP-Cal State University Los Angeles, FNP-C, MSN- Cal State University Long Beach, BSN-University of Phoenix, WHNP-C

Tiu, Girieliyn, APRN, FNP-C, MSN-University of La Salatte, Santiago City, Providence of Isabella, Philippines – BSN

Thurn-Tamayo, Barbara, DNP, APRN, FNP-C, CPN-Frontier Nursing University, Versailles, KY-Doctor of Nursing Practice: Family Nurse Practitioner, California State University-Dominguez Hills, Dominguez Hills, CA - MSN-FNP and BSN, Pasadena City College, Pasadena, CA - Associate of Art/Associate of Science: Nursing

Yator, Jeany, MSN, BSN, MBA, HCA-University of Phoenix, Phoenix, AZ – MSN, Master’s in Business Administration, Healthcare Administration, St. Jude College Manila, Philippines -BSN

### **FACULTY - School of Clinical Research**

Dessouky, Tarek, MD, MBA, MPH – MD, University of Lyon, France - Doctor of Medicine, Neurology Surgery; MBA, Claremont Graduate University, CA - Executive Master of Business Administration; MPH, University of California Los Angeles, CA - Public Health

Defensor, Linnea, MD, MS, RN – MD, University of the Philippines, Phil.- Doctor of Medicine; MS, George Washington University, DC - Health Science Clinical Research Administration; BS, University of the Philippines - General Science

Dillague, Gene, MD, MSCR, BA – MD, University of Sto. Tomas, Philippines - Doctor of Medicine; MSCR, American University of Health Sciences (AUHS), Signal Hill, CA - master’s in clinical research; BA, Adamson University, Phil. – Sociology

### **FACULTY - School of Pharmacy**

Dutta, Arjun, PhD, B. Pharm (Dean) – PhD in Pharmaceutical Sciences, MCV/Virginia Commonwealth University; B. Pharm, Jadavpur, Calcutta, India

Islam, Mohammed A, PhD, MPhil, MPharm, BPharm, RPh (Senior Associate Dean of Academic Affairs) – PhD and MPhil in Cardiovascular Pharmacology, Toyama University, Japan; MPharm and BPharm, University of Dhaka, Bangladesh.

### **DEPARTMENT OF PHARMACEUTICAL SCIENCE**

Schloss, John, Professor, Biomedical Sciences, Chair of the Department of Pharmaceutical Science and Associate Dean of Research, BS (University of Tulsa), 1973, PhD (University of Tennessee-Knoxville/Oak Ridge National Laboratory), 1978, NIH Postdoctoral Fellow (University of Wisconsin-Madison), 1978-81

Chauhan, Balwantsinh, Associate Professor, Pathophysiology, BSc (M.S. University of Baroda, Baroda, India), 1968, MSc (M.S. University of Baroda), 1970, PhD (M.S. University of Baroda), 1979, Senior Research Associate (Hematology/Medical Oncology Research, Postdoctoral Fellow (Research in Neuroscience, Dept. of Cellular & Structural Biology, Univ. of Texas Health Science Center at San Antonio, San Antonio, TX), 1986, School of Medicine, Oregon Health Sciences University,

Portland, OR), 1991-1992, MD (Spartan Health Sciences University, Vieux Fort, St. Lucia, West Indies), 1998

Chauhan, Neelima Professor, Biochemistry, BSc (M.S.Univ. of Baroda, Baroda, India), 1971, MSc (M.S.Univ. of Baroda, Baroda, India), 1973, BEd (M.S.Univ. of Baroda, Baroda, India), 1980, PhD (M.S.Univ. of Baroda, Baroda, India), 1981, Research Associate (Diagnostic Oncology laboratory, RhoMed Incorporated, Albuquerque, NM), 1987-1990, Senior Research Associate (Neurotoxicology laboratory, CROET, Oregon Health Sciences University, Portland, OR), 1990-1992, Senior Research Associate (Molecular Neurochemistry Laboratory, Hines VA, Dept. of Neurology, Loyola University Maywood, IL), 1992-1996

Hussain, Alamdar, Associate Professor, Pharmaceutics, BPharm (Kakatiya University, India), 2000, PhD (Texas Tech University Health Sciences Center, Amarillo), 2005

Islam, Mohammed, Professor, Pharmacology, Senior Associate Dean of Academic Affairs, BPharm (University of Dhaka, Bangladesh), 1990, MPharm (University of Dhaka), 1993, MPhil (Toyama Medical and Pharmaceutical University, Japan), 1995, PhD (Toyama Medical and Pharmaceutical University), 1998, Postdoctoral Fellow (University of Cincinnati), 1998-2000, Postdoctoral Research Associate (University of Illinois at Chicago) 2000-2003, ALFP Fellow (American Association of Colleges of Pharmacy Academic Leadership Fellow Program, 2017-2018, RPh Florida

Kumar, Radhika V., Assistant Professor, Medicinal Chemistry, BPharm (Prin. K. M. Kundnani College of Pharmacy, University of Mumbai, India), 2005, MS (College of Pharmacy and Health Sciences, St. John's University, NY), 2008, PhD (St. John's University, NY, College of Pharmacy), 2016

Lakhman, Sukhwinder Associate Professor, Neuropharmacology/Neurophysiology, BSc (Guru Nanak Dev University, Amritsar, India), 1982, BEd (Guru Nanak Dev University), 1983, MSc (Guru Nanak Dev University), 1986, MPhil (Guru Nanak Dev University), 1987, PhD (Guru Nanak Dev University), 1994, Postdoctoral Fellow (SUNY Buffalo, Department of Pharmaceutical Sciences, Amherst, NY), 1996-1999

Ngo, Albert, Assistant Professor, Pharmaceutics, BChE (National Polytechnic Institute Felix Houphouët-Boigny-Yamoussoukro, Cote d'Ivoire), 2008, PhD (University of Missouri-Kansas City (UMKC), Kansas City, MO), 2018, Postdoctoral Fellow (UMKC), 2018-2019

Sheng, Jonathan, (Part-Time Faculty) Assistant Professor, Toxicology/Drug Metabolism, BMedicine (Kunming Medical College, Kunming, China), 1985, PhD (Department of Environmental Health Sciences and Toxicology, School of Public Health, State University of New York, Albany, NY), 1998, Postdoctoral Fellow (Division of Medicinal and Natural Products Chemistry, College of Pharmacy, University of Iowa, Iowa City, Iowa), 1998-2003

Szabo, Sandor, Professor, Pathology/Pharmacology, BSc (Gymnasium "Mosa Pijade, Subotica, Yugoslavia), 1963, MD (University of Belgrade Medical School, Yugoslavia), 1968, MSc (University of Montreal, Canada), 1971, PhD (University of Montreal, Canada), 1973, MPH (Harvard School of Public Health, MA), 1983, Intern (University of Belgrade Medical School, Serbia), 1968-1969, Resident in Pathology (Peter Bent

Brigham Hospital, MA), 1973-1977, Research Fellow in Pathology (Harvard Medical School of Public Health, MA), 1975-1977, Trainee in Occupational Medicine (Harvard School of Public Health, MA) 1981-1983, Medical License Number 43930, Commonwealth of Massachusetts, active since 1979

Yang, Suhui, Assistant Professor, Medicinal Chemistry, BS (Pukyong National University, South Korea), 2004, MS (Stony Brook University, NY), 2008, PhD (Chonnam National University, South Korea), 2012, Postdoctoral Fellow (Chonnam National University), 2012-13, Visiting Assistant Research Scientist (University of Michigan, Ann Arbor, MI), 2013-17.

## **DEPARTMENT OF CLINICAL AND ADMINISTRATIVE SCIENCES**

Chong, Mok T., Professor, Clinical & Administrative Sciences, Chair of the Department of Clinical and Administrative Sciences, BSc Pharmacy (University of Delhi, India), 1982, PharmD (Ferris State University, Big Rapids, ME), 1995, MBA (Wayne State University, Detroit, MI), 1992, PhD (Heritage University and Seminary, Kissimmee, FL), 2010, Ordained Pastor (Ignite Church OC, Irvine, CA), 2016, APhA Diabetes Care Certificate, RPh (CA, HI, MI, and Malaysia)

Bhuiyan, Tauhid A., Assistant Professor, Clinical & Administrative Sciences, BSc (Biology, Wayne State University, 2009), PharmD, University of New England College of Pharmacy, 2013, PGY-1 residency, King Faisal Specialist Hospital and Research Center, Saudi Arabia, 2015, Board Certified Pharmacotherapy Specialist (BCPS) certification – 2016, RPh (CA)

Chang, Youngil, Assistant Professor, Clinical & Administrative Sciences, BSc in Chemistry (Seoul National University) 1998, MSc (Seoul National University) 2000, PharmD (Palm Beach Atlantic University) 2013, Organ Transplantation/Pharmacogenomics Research Fellowship (Western University of Health Sciences) 2017, RPh (CA)

Chau, Jasen, Assistant Professor, Clinical & Administrative Sciences, Pharmacy Practice Residency in Geriatrics (PGY-1, University of Southern California), 2003, PharmD (University of Southern California), 2002, Graduate Certificate in Gerontology (University of Southern California), 2002, Bachelor of Science (University of Nevada, Las Vegas), 1997, RPh (CA, NV)

Dutta, Arjun P., Professor, Clinical & Administrative Sciences, Pharmacy Administration/Outcomes Research, Dean of the School of Pharmacy, B. Pharm (Jadavpur University, Kolkata, India), 1995, PhD (Medical College of Virginia, Richmond, VA), 2000, Academic Leadership Fellows Program AACP, 2009-10, ACPE Site Evaluator Workshop AACP, 2017

Han, Christine, Assistant Professor, Clinical & Administrative Sciences, BS (University of California, Los Angeles, CA), 2006, PharmD (University of Hawaii, Hilo, HI), 2013, RPh (CA)

Kim, Sara, Assistant Professor, Clinical & Administrative Sciences, BSc (Biochemistry and Cell Biology, University of California, San Diego, 2010), PharmD (Loma Linda University School of Pharmacy, 2018), PGY-1 residency (Fountain Valley Regional Hospital, 2019), Post-doctorate teaching certificate and research certificate (Western University of Health Sciences, 2019), RPh (CA)

Kunchandy, Joseph, Associate Professor, Clinical & Administrative Sciences, BPharm (Institute of Pharmaceutical Sciences, Medical College, Trivandrum, Kerala University, India), 1983, MPharm (Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, India), 1985, PhD (Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, India), 1988, Postdoctoral Fellow (UCLA School of Medicine, Los Angeles, CA), 1989-1990, Postdoctoral Fellow (University of Oklahoma, School of Pharmacy, OK), 1990-1991

Meyer, Lee, Associate Professor, Clinical & Administrative Sciences, BA (University of the Pacific College of the Pacific, 1972), PharmD, University of the Pacific School of Pharmacy, 1975, Board Certification – Geriatrics, BCPS 2015, RPh (CA)

Nguyen, Elaine, Assistant Professor, Clinical & Administrative Sciences, Director of Introductory Pharmacy Practice Experiences (IPPE), BS (University of California-Irvine), 2011, PharmD (Western University of Health Sciences, Pomona, CA), 2016, RPh (CA)

Shankar, Gollapudi, Professor, Clinical & Administration sciences, B.Pharm (Nagpur University, 1974), MS (University of Northern Colorado, 1983), Doctor of Pharmacy (Creighton University, 2001), MS (Clinical Psychology) (California Southern University, 2011), BCPP (1996) and RPh (CA)

Spiegel, Toby, Associate Professor, Clinical & Administrative Sciences, Psychology, Associate Dean of Student Affairs and Admissions, BA (Queens College, Flushing, NY), 1987, MA (Pepperdine University, Malibu, CA), 2003, PsyD (Argosy University, Orange, CA), 2008

Williams, Kawanda, Assistant Professor, Clinical & Administrative Sciences, Director of Advanced Pharmacy Practice Experiences (APPE), BS (Grambling State University, 1994), PharmD (Xavier University of Louisiana, 2005)

Rhee, Helen M., Assistant Professor, Clinical & Administrative Science, PGY-1 Pharmacy Practice Residency (Dignity Health, St. Joseph's Medical Center, Stockton, California), 2020, Pharmacy Resident Teaching Certification (University of Pacific, Thomas J. Long School of Pharmacy, Stockton, California), 2020, PharmD (Loma Linda University, School of Pharmacy, Loma Linda, California), 2019. BS in Biochemistry (University of Nevada, Las Vegas), 2010.

### **FACULTY - General Education**

Hussain, Alamdar, Chair, General Education, Associate Professor, Pharmaceutics, BPharm (Kakatiya University, India), 2000, PhD (Texas Tech University Health Sciences Center, Amarillo), 2005

Uvero, Marilyn, PhD(c), EdD, MSN, BSN, RN -VP/COO & Provost/CNA PhD(c), Walden University, MSN, Public Health Policy and Administration, EdD, Nova Southeastern University, FL, Higher Education Leadership; MSN, California State University, CA

Baker, Christina, MBA, MS, MA, BA – MBA, Hope International, CA; MS, Capella University, MN - Education; A, California State University, CA; BA, California State University, CA - Speech and Communication

Carter, Duane, MA, BA, JD – MA, Whitworth University, WA - Teaching; JD, Irvine University School of Law, CA; BA, St. Martin's College, WA – Psychology/History

Dillague, Gene, MD, MSCR, BA – MD, University of Sto. Tomas, Philippines. MSCR, American University of Health Sciences (AUHS), Signal Hill, CA; BA, Adamson University, Philippines. - Sociology

Hernandez, Paloma, MA, BA – MA-History, California State Long Beach, CA; BA-History, University of California Santa Barbara, CA

Linquata, Christopher, MFA, BFA - MFA, California State Long Beach, CA – Figurative Drawing & Painting; BFA, University of California Northridge, CA – 2D Art;

Rahman, Latifur, MS – MS-Pediatric Surgery, Bangladesh Institute of Child Health MBBS-Medicine & Surgery, Chittagong Medical College HSC-General Science Subjects, Adamjee Cantonment College

Saulson, Yiu Yiu Eunice, MS, BS – MS, California State University, CA - Chemistry; BS, University of California, Los Angeles, CA - Bio- Chemistry

Tisdale, Arthur, MA, BA – MA, Pepperdine University, CA - Psychology; BA, Pepperdine University, CA - Psychology

Truong, Tien Quang, MA, BA – MA, California State University, CA - Mathematics; BA-Mathematics, California State University, Fullerton, CA

Wu, Pamela, PhD – Doctor of Public Administration - University of Laverne; MS, Nutritional Science, California State University, Los Angeles; BS-Consumer Science, California State University, Los Angeles

## STUDENT ACTIVITIES AND SERVICES

*“I no longer call you servants because a servant does not know his master’s business. Instead, I have called you friends, for everything that I learned from my Father I have made known to you. You did not choose me, but I chose you and appointed you so that you might go and bear fruit—fruit that will last—and so that whatever you ask in my name the Father will give you. This is my command: Love each other.”*

*John 15:15-17*



Office of the Student Services

## STUDENT ACTIVITIES AND SERVICES

### General Information

The Student Affairs/Services Department at American University of Health Sciences provides assistance to all students throughout their University experience. The University is committed to providing an environment that supports students in achieving their personal and professional goals. The University endeavors to provide high quality services in an efficient manner, subject to ongoing evaluation by students and faculty.

### Advising

AUHS is dedicated to helping students remove obstacles to achieving success. While Student Services Representatives are available to all students to assist in such areas as problem-solving, setting goals, attending class, academic success, or personal issues, student is also assigned a faculty advisor and financial administration for their financial concern once they begin matriculation. Informal one-on-one meetings give students the chance to seek assistance, air frustrations and share accomplishments with direct feedback from University staff who will take action, if necessary, to help students alleviate the concern, and, more importantly, encourage the student's continued success. These meetings with advisors can be held anytime or by appointment during regular University hours.

In addition, AUHS offer peer mentoring programs that provide students the opportunity to connect with currently attending students. These peer-to-peer relationships can be great networking opportunities as well as a chance to learn about the student experience from another student's perspective.

### Center for Academic Success (CAS)

The Center for Academic success (CAS) is committed to maximizing the academic potential of each student by empowering them to move seamlessly throughout their educational program. The CAS is devoted to helping all students meet their individual goals and academic success regardless of age, gender, race, or physical ability.

### Students Needing Counseling Services

Sometimes students find themselves in need of assistance to learn how to deal with various psychological and social issues. AUHS provides a safe and confidential place to talk with a professional about concerns or problems, no matter how minor or serious, which might interfere with personal growth or academic achievement. To schedule an appointment, contact AUHS Counselor at [auhsconselor@auhs.edu](mailto:auhsconselor@auhs.edu) or (562) 988-2278.

### University Student Orientation

University Student Orientation is required for all entering students. This unique orientation session teaches students the keys to being a successful student at American University of Health Sciences. It includes an introduction to both the academic and student life aspects of the University and a fun and engaging way to meet other students, faculty, student organizations, and staff. It provides students with opportunities to become more familiar with University Services, policies, and procedures. Ask a Student Affairs/Services department when the next session is going to be held.

### Housing

American University of Health Sciences does not maintain housing (no dormitories) for students, nor does it make specific recommendations regarding housing. However, housing accommodations are available in the community and is estimated to cost approximately \$800 to \$1,000/mo. AUHS has no responsibility to find or assist a student in finding housing.

### Career Services

While the University will provide job placement assistance, no guarantee for employment can be made. Career Services department is committed to supporting students and alumni in launching and advancing their careers.

To support students and graduates in attaining their career goals, Career Services staff focus both on assisting students in developing career search skills and on introducing students to businesses that may help them attain their professional goals.

Career services provided to students:

1. One-on-one and small group coaching and feedback sessions
2. Workshops offered either during or outside of class sessions.
3. Resume Reviews
4. Mock Interviews
5. Career search tools and techniques
6. Networking events

### Alumni Services

Career Advising continues after students graduate from AUHS. Alumni are always welcome to contact AUHS Career Services office for assistance conducting a job search.

### Student Activities

The University provides the opportunity for students to participate in a number of extracurricular activities. Students are encouraged to participate in professional organizations, student associations, and events that are offered both on- and off-campus listed on our

Community of Interests calendar. These events are designed to help students be involve and give back to their community and to develop career-readiness skills. Students often report that the more engaged they are in campus events, the more beneficial and enjoyable their AUHS experience and education.

### **Clubs and Organizations:**

#### Student Nurses Association (SNA)

Student Nurses Association (SNA) is a professional organization for nursing students that allows them to get involved professionally in the nursing field. It offers students the opportunity to develop the leadership skills that will help them throughout their career as a nurse. The purpose of this organization is to: 1) Bring together and mentor students preparing for initial licensure as baccalaureate prepared nurses; 2) Convey the standards and ethics of the nursing profession; 3) Promote development of the skills that students will need as responsible and accountable member of the nursing profession; Advocate for high quality, evidence- based, affordable and accessible health care; 5) Advocate for and contribute to advances in nursing education; 6) Develop nursing students who are prepared to lead the profession in the future.

#### AUHS – SON Honors Society

The Honors Society was created to recognize the excellence and commitment the students at AUHS have towards education and in the field of nursing. It serves its students by facilitating professional growth through development, dissemination, and utilization of knowledge. The Honors Society serves as a link between the classroom and the nursing profession by advancing leadership and promoting roles that reach beyond the classroom setting based on a commitment to strengthening nursing. Programs and services encompass education, discipline, research, and Christianity through interaction with fellow peers and faculty. In support of this mission, the Society advances nursing leadership and scholarship, and furthers the use of nursing research in health care delivery as well as public policy.

#### Association for Clinical Research Professionals (ACRP)

Association for Clinical Research Professionals (ACRP) is an international nonprofit association of over 20,000 professionals involved in clinical research. Founded in 1976, ACRP's charter states that the "basic aim of the Society is to promote the dissemination of information, the exchange of ideas, and the development of educational experiences for the purpose of professional growth." Today, over 30 years after its founding, ACRP remains a primary source of education, information, professional development, and networking for clinic al research professionals.

ACRP welcomes clinical research professionals from a wide variety of organizations and roles. The Association provides the industry's primary venue for professionals representing different industry segments and roles to exchange information and resources. ACRP Southern California Chapter was formed and operates on University campus.

### **STUDENT CONDUCT AND DISCIPLINE**

In addition to the Academic Integrity policy found in the ACADEMICS section, American University of Health Sciences has a policy on Student Conduct and Discipline that applies to prospective and existing students.

The following behaviors are not in harmony with the educational goals of the University:

1. Academic dishonesty, such as cheating, plagiarism, or knowingly furnishing false information to the University.
2. Forgery, alteration, misuse, or mutilation of University documents, records, identifications, educational materials, or University property.
3. Obstruction or disruption of teaching, administration, disciplinary procedures, or other activities including public service functions or other authorized activities on the campus.
4. Interfering with the learning process of other students, classroom presentation, or individual instruction being conducted in any class, laboratory, and authorized activity.
5. Physical or verbal abuse of, or threats toward, any person, including harassment or stalking, or conduct which threatens or endangers health or safety of individuals or the campus community at large.
6. Theft of or unauthorized removal of or damage to property of the University or using or attempting to use University property in a manner inconsistent with its designed purpose.
7. Unauthorized entry to, use, or occupation of University facilities.
8. Intentional and unauthorized interference with a right of access to University facilities or freedom of movement or speech of any person on the premises.
9. Use or possession of firearms, ammunition, knives, or other dangerous weapons, substances, or materials (except as expressly authorized by the University), bombs, explosives, or incendiary devices prohibited by law.



10. Disorderly conduct or lewd, indecent, or obscene conduct or expression.
11. Violation of a federal, state, or local ordinances including but not limited to those covering alcoholic beverages, narcotics, dangerous drugs (as detailed in the Drug Free Schools Act), peer to peer file sharing, identity theft, gambling, sex offenses, or arson, which violation occurs on or through use of University property.
12. Rioting, or aiding, abetting, encouraging, or participating in a riot.
13. Failure to comply with the verbal or written directions of any University official acting in the performance of his/her duty and in the scope of his/her employment or resisting designated campus security personnel while acting in the performance of his/her duties.
14. Aiding, abetting, or inciting others to commit any act of misconduct set forth in 1 through 12 above.
15. Conviction of a serious crime. (Upon the filing of charges in civil court involving an offense which is of a serious nature and upon determination that the continued presence of the student would constitute a threat or danger to the University community, such student may be temporarily suspended pending disposition of the charges in civil court).

Violation of any of the above may subject the student to any of the following:

- a. Reprimand
- b. Specific restrictions
- c. Disciplinary probation
- d. Temporary suspension
- e. Permanent suspension

Disciplinary proceedings and sanctions specific to Peer-to-Peer file sharing and Drug and Alcohol-related offenses are available through Student Affairs/Services department.

Judicial Processes for all Code of Conduct violations, victim's rights, and rights of the accused are detailed in the Annual Campus Security Report, distributed to all new students during their first quarter of enrollment and to all students on October 1 of each year.

After being suspended, a student may be re-admitted only after the Chief Academic Officer approves a written request. Some drug and alcohol-related offenses may result in the student's loss of Title IV financial aid eligibility. Readmission will be on a probationary basis only. Any further infraction of the policies and rules will necessitate permanent suspension.

## **STUDENT'S RIGHTS AND RESPONSIBILITIES**

The University recognizes that as a member of an academic community, students have rights. These rights are grounded in federal and local statutes as well as in the philosophy of education and learning. Student's welfare and the conditions under which they study must be safeguarded. Campus policies and procedures seek to guarantee these rights. Student understanding and cooperation are essential to the successful implementation of this structure.

AMERICANS WITH DISABILITIES ACT POLICY (also found on <http://auhs.edu/resources/disability-resources/>).

Purpose: To establish uniform guidelines in order to promote a work and educational environment at American University of Health Sciences (AUHS) that is free of discrimination, harassment or retaliation for people with disabilities and to ensure compliance with federal and state laws pertaining to qualified individuals with disabilities in all AUHS programs, services, and activities.

Applicability: This policy applies to students and student applicants.

### **I. Policy Statement**

The American University of Health Sciences (AUHS) Policy of Accommodations and Support Services to Students with disabilities prohibits unlawful discrimination, harassment, or retaliation against students on the basis of a disability or a perceived disability in AUHS all programs, services, and activities, in accordance, with but not limited to, the Americans with Disabilities Act of 1990, as amended (ADA); Section 504 and 508 of the Federal Rehabilitation Act of 1973, as amended; the Donahoe Higher Education Act; Education Code Section 67302 and 67310-13; and Sections 11135 and 12926 of the Government Code.

### **II. Definitions**

An individual with a disability is defined as any person who has a physical or mental impairment which substantially limits a major life activity or has a record of such an impairment. The determination of whether an impairment substantially limits a major life activity shall be made without regard to the ameliorative effects of mitigating measures such as medication, medical supplies, equipment, or appliances, low-vision devices (which do not include ordinary eyeglasses or contact lenses), prosthetics including limbs and devices, hearing aids and cochlear implants, or other implantable hearing devices, mobility devices, or oxygen therapy equipment and supplies; use of assistive technology; reasonable accommodations or auxiliary aids or services; or learned behavioral or adaptive neurological modifications. Major life activities

include, but are not limited to, caring for oneself, performing manual tasks, seeing, hearing, eating, sleeping, walking, standing, lifting, bending, speaking, breathing, learning, reading, concentrating, thinking, communicating, and working. Major life activity also includes the operation of a major bodily function, including but not limited to, functions of the immune system, normal cell growth, digestive, bowel, bladder, neurological, brain, respiratory, circulatory, endocrine, and reproductive functions.

Qualified individual with a disability means an individual with a disability who, with or without reasonable modifications to rules, policies, or practices, the removal of architectural, communication, or transportation barriers, or the provision of auxiliary aids and services, meets the essential eligibility requirements for the receipt of services or the participation in programs or activities provided by AUHS. It also means an individual with a disability who meets the academic and technical standards requisite for admission or participation in the education programs of the AUHS campuses. This includes students with disabilities participating in clinical or field placements that are offered as part of a program's field of study.

The ADA and Section 504 of the Rehabilitation Act require AUHS to provide appropriate and reasonable academic and employment accommodations to students with disabilities unless doing so would create an undue hardship, compromise the health and safety of members of the community, or fundamentally alter the nature of the University's employment or academic mission. As described more fully herein, the University engages in an interactive process with the student to determine disability status and accommodation needs.

### **III. AUHS Disability Categories for Reporting Purposes**

For reporting purposes, an individual shall be counted only in one category, that of the primary dysfunction. [Although ADA guidelines and California state law do not require that universities provide accommodations to students with temporary disabilities, AUHS may decide on a case-by-case basis to provide accommodations and support to temporarily disabled students. These students do not constitute a separate category but shall be reported in one of the disability categories based on the nature of their disability. In accordance with the ADA Standards,] AUHS has established nine broad disability categories to be used for accommodation and reporting purposes:

- A. Visual limitation: Blindness or partial sight to the degree that it impedes the educational

process and may necessitate accommodations, support services, or programs.

- B. Communication disability: Limitations in the speech and/or hearing processes that impede the educational process and may necessitate accommodations, support services, or programs.
- C. Deaf and Hard of Hearing: Limitation in the hearing process that impedes the educational process and necessitates accommodations, support services, or programs. Students in this category may require communication accommodation such as oral or sign language interpreters, note taking services, or real-time captioning services.
- D. Mobility limitation: Limitation in locomotion or motor functions that indicates a need for accommodations, support services, or programs. Included in this category are persons who have asthma, cardiovascular problems, or other physical limitations that restrict the ability to function without accommodation in the campus environment.
- E. Learning disability: A generic term that refers to the heterogeneous group of disorders manifested by difficulties in the acquisition and use of listening, speaking, reading, writing, reasoning, or mathematical abilities presumed to be due to central nervous system dysfunction. Although a learning disability may exist concomitantly with other disabling conditions (e.g., sensory impairment) or environmental influences (e.g., cultural/language differences or conditions defined in the current Diagnostic and Statistical Manual of Mental Disorders), the learning disability is not the direct result of those conditions or influences.
- F. Attention Deficit/Hyperactivity Disorder (ADHD): A neuro-cognitive disorder characterized by inattention, restlessness, impulsivity, and behavioral dysregulation, or a combination of these. Problems with focus and attention manifest as chronic problems with concentration, organizing work, planning, sustaining effort, and utilizing short-term memory. AD/HD is not the result of a psychological or psychiatric disorder, such as schizophrenia, chronic depression, or a personality disorder.
- G. Acquired Brain Injury: External or internal trauma to the brain, before or after birth from environmental injury, alcohol or drug abuse, stroke, infections, tumors, or oxygen deprivation, which results in functional limitation in cognition (i.e., memory, language, attention and concentration,

executive functions), mood, and motor coordination.

- H. Psychological or Psychiatric Disability: Chronic and persistent mental illnesses as categorized by the current Diagnostic and Statistical Manual of Mental Disorders, that impede the educational process and may necessitate accommodations, support services or programs.
- I. Other Functional Limitations: Any other disability, such as a dysfunction of a body part or process or a neurological disability that necessitates accommodations, support services, or programs, and that does not fall within the categories listed above.

#### IV. Process

- A. The AUHS Provost or his/her designee shall have the primary responsibility for ensuring that all campus programs, services, and activities are available to students with disabilities.
- B. Authority to Determine Disability Status: The Provost or his/her designee shall have the ultimate authority to determine the disability status of a student, and the decision shall be subject to the provisions below and to established appeal procedures. The Provost or his/her designee may, at his or her discretion, waive the student requirement of providing documentation of a disability (see below) for disabilities determined by the Provost or his/her designee to be evident.
- C. It is the responsibility of the student to request an accommodation and to follow the processes set forth in the AUHS "Disability Notification and Accommodation Request" form. This form may be obtained from the Student Affairs/Student Services Department or online at <http://auhs.edu/resources/disability-resources/>. A student who does not request an accommodation will not be given one. Likewise, a student with a disability who chooses not to have any accommodations is under no obligation to seek or obtain one.

Students with disabilities who require accommodations, aids, or services should submit the Disability Notification and accommodation Request form at least 6 weeks prior to the start of the quarter to the Director of Student Affairs/Student Services. Students who request accommodations must include health professional's documentation to verify an impairment exists and to substantiate accommodations needed. Sources of documentation include a professional

qualified to assess the nature and extent of the disability, or a recognized and reliable source that provides appropriate standards in the applicable field. Examples include a licensed physician, psychologist, audiologist, or a speech pathologist, or a licensed clinical social worker, rehabilitation counselor, marriage, and family therapist, learning disability specialist, or other appropriate certified/licensed professional.

The documentation will include a description of the student's current impairment, an explanation of the student's limitation on major life activity(ies) or bodily functions, suggested accommodations, and a statement that explains how the student's identified functional limitations relate to the suggested accommodations. Students granted accommodations will receive a written approval within 5 school days of submission of their Disability Notification and Accommodation Request form setting forth the specific accommodation(s) granted. AUHS will make all reasonable efforts to respond to a Disability Notification and Accommodation Request forms and arrange for any granted requests before the quarter commences. However, AUHS cannot guarantee that late requests will be resolved by the first day of class. A student who submits a Disability Notification and Accommodation Request form with insufficient time for the University administration to address the request before the quarter commences may opt either to attend classes without the requested accommodation or to delay attending classes until the request is addressed. In the latter case, the student will be allowed to make up any course work or examinations with the approved accommodations when approved.

- D. Confidentiality: AUHS shall maintain appropriate confidential records that identify students with disabilities. These records shall include the student's name, address, campus student identification number, nature of disability, support services needed, and verifying statement of the director or designee of services to student with disabilities, and documentation provided by the student. All such records, including student medical records, shall be considered "education records" protected by the Family Educational Rights and Privacy Act of 1974 (FERPA) and its regulations. Although certain medical records are exempt from FERPA's

definition of “education records,” that exemption does not apply to student medical records maintained by a campus program for services to students with disabilities. Accordingly, confidential records will be protected in accordance with FERPA regulations with the purpose of providing appropriate academic accommodations or adaptation of curricula. Information about the student may be released with the student’s informed written consent in accordance with FERPA or other applicable legislation.

The statement of approve reasonable accommodation is found at <https://www.auhs.edu/campus/student-services/disability-resources/>

## **V. Student Accommodation Denial Appeal**

### **A. Student Appeal Process**

Students denied a requested accommodation may appeal the decision through the University’s informal and formal dispute resolution process. AUHS has adopted and published grievance procedures providing for appropriate due-process procedures and for prompt and equitable dispute resolution.

### **Student Grievance Procedure for Claims of Discrimination, Harassment, and Retaliation**

The American University of Health Sciences (AUHS) is committed to providing an academic environment where all students are treated equitably and fairly. Consequently, AUHS does not tolerate discrimination or harassment based on actual or perceived characteristics of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, pregnancy, gender, gender identity, gender expression, age, sexual orientation, AIDS/HIV, military and veteran status of any person, or association with a person or group with one or more of these actual or perceived characteristics (collectively, “Protected Category” or “Protected Categories”). Likewise, AUHS does not tolerate retaliation against persons who complain of discrimination or harassment or who participate in any investigation regarding discrimination or harassment.

Unlawful discrimination is defined as the unjust, prejudicial, or different treatment of a person or group because of a Protected Category.

Harassment based on a Protected Category may take many forms, including verbal acts and name-calling; graphic and written statements, which may include use of cell phones or the Internet; or other conduct that may be physically threatening, harmful, or humiliating.

Harassment does not have to include intent to harm, be directed at a specific target, or involve repeated incidents. Harassment creates a hostile environment when the unwelcomed conduct is sufficiently severe, pervasive, or persistent so as to interfere with or limit a student’s ability to participate in or benefit from the services, activities, or opportunities offered by the AUHS.

Retaliation is a materially adverse action taken against a student who has, or is believed to have, reported, or opposed conduct the student reasonably and in good faith believed to be discriminatory, or participated in an investigation involving discrimination or harassment.

A student who believes that he or she has experienced or witnessed discrimination, harassment, or retaliation should promptly report such incidents to the office of the Director of Student Affairs so that an investigation can take place and corrective action, if necessary, can be taken to prevent recurrence and to correct its effects. All complaints must be filed no later than 60 calendar days after the event giving rise to the incident, or within 30 calendar days after the end of the quarter, whichever is longer. The time period for filing a Complaint may be extended for good cause as determined by the Provost or his/her designee. Students must complete the Student Grievance Form for Claims of Discrimination, Harassment, and Retaliation (“Complaint”) and submit it to the Director of Student Affairs. If a Complaint is presented in another written format, such as a letter, the University may ask the student to complete the form. If a student is unable to complete the complaint form due to a disability, a designee of the Director of Student Affairs will assist the student. A copy of the Complaint form can be found at <https://www.auhs.edu/campus/campus-safety/> may choose to participate in an Optional Informal Managed Resolution Process, or the Formal Resolution Process, described below.

#### **1. Handling of a Complaint and Interim Measures:**

1.1. After a complaint is received, the Director of Student Affairs will either assign him or herself the role of Investigator or select an impartial faculty or staff member or third-party investigator who has received training in conducting an investigation and the laws regarding discrimination, harassment, and retaliation (the “Investigator”). The Investigator may have access to legal counsel as determined by the Director of Student Affairs or the Provost. In no event will the Investigator be a person who is alleged to have engaged in the complained of behavior (the “Accused”), a person who reports to a person who is the Accused, or a relative of the Accused. A copy of the complaint will be provided to the Accused’s supervisor, if applicable.

1.2. After a complaint is received, the Investigator shall determine whether interim measures are necessary during the pendency of any investigation to protect the parties involved. Any interim measures will be implemented in a manner that attempts to minimize the burden on the individual making the complaint (the “Complainant”).

1.3. Note: Students denied a requested disability accommodation may appeal the decision through this procedure. A neutral investigation will be completed, and the President will provide a complete response to such appeals within 10 calendar days.

## 2. Optional Informal Managed Resolution Process:

2.1. Within two school days of receiving the Complaint, the Investigator shall notify the Complainant of the option to participate in an informal managed resolution process. The Complainant is not required to participate in this process or meet directly with the Accused. This is an optional process that the Complainant may terminate at any time. During this optional process, the Complainant, and the Accused, along with the Dean of Students, Investigator, or other third party neutral, attempt to resolve the dispute. The details of the Optional Informal Resolution Process will be kept confidential by all parties involved. The Optional Informal Resolution Process will last no longer than 10 calendar days from the date of the Complaint, regardless of whether the matter is unresolved at the end of the 10th calendar day.

2.2. If a resolution is reached in the Optional Informal Resolution Process, the details of the resolution will be memorialized in an Optional Informal Resolution Agreement, that will be signed by the Provost and the Complainant. The matter shall be considered closed, and the Complainant is precluded from filing a new Complaint or an appeal concerning the same incident, except where the terms of the resolution are violated or have been ineffective in stopping the discrimination, harassment, or retaliation.

2.3. If the Complainant chooses to participate in this Optional Informal Resolution Process, the investigation into the complaint will be suspended until the completion of the Optional Informal Resolution Process, or the Complainant terminates the Informal Resolution Process.

2.4. When informal dispute resolution is unsuccessful or not possible, a Complaint will be processed using the Formal Resolution Process.

## 3. Formal Resolution Process:

### 3.1. Investigation into Complaint

An investigation into a Complaint will commence within five school days from receiving the complaint unless Section 1 above is applicable or the student withdraws the complaint.

The Investigator will investigate the Complaint and document his or her efforts and findings. The investigation shall include, but not be limited to, review of records, notes, or statements related to the complaint; interviewing witnesses; interviewing the Complainant; and interviewing the Accused. At no time will the Complainant and the Accused be interviewed together.

The person conducting the investigation will make reasonable efforts to protect the privacy of the Complainant and the Accused. In the course of the investigation, it may be necessary to reveal the names of the parties involved to witnesses. If this occurs, the investigator will stress to the witness (es) that this is a confidential matter and ask that it not be discussed outside the investigation. Unfortunately, because the investigation may involve third parties who are not under the control of AUHS, AUHS cannot ensure confidentiality in connection with any investigation.

The Complainant and the Accused will have an equal opportunity to present relevant witnesses and evidence. Each party shall have the opportunity to comment to the Investigator, either in writing or in person, on the information learned in the investigation.

A Complainant’s refusal to provide the Investigator with documents or other evidence related to the allegations in the complaint, failure, or refusal to cooperate in the investigation, or engagement in other acts to hinder the investigation may result in the dismissal of the Complaint because of a lack of evidence to support the allegations. Similarly, the Accused’s refusal provides the Investigator with documents or other evidence related to the allegations in the complaint, failure to participate in the investigation, or engagement in other acts to hinder the investigation may result in a finding that discrimination, harassment, or retaliation occurred and that appropriate remedies are necessary.

The investigation must be completed within 30 calendar days after receiving a Complaint. This time period maybe extended by the Provost upon a showing of good cause that additional time is necessary to conduct a fair investigation. However, it is AUHS’s policy to make reasonable efforts to complete the investigation within the 30-calendar-day time period. If an extension is needed, the Provost will notify the Complainant and Accused in writing of the extension and the reason for the extension.

### 3.2. Written Report

Within 10 calendar days after the completion of an investigation, the Investigator will provide a written report of the investigation to the Provost and, if applicable, the Dean in charge of the Accused. The written report will include a summary of the allegations, a description of the investigation, a description of the relevant information gathered, a determination of whether or not the incidents alleged occurred and the specific evidence to support this determination, and whether such incidents were based on a Protected Category. In determining whether or not the incidents alleged occurred, the Investigator may take into account the following:

- a. The statements made by the parties and all witnesses;
- b. The details and consistency of each person's account;
- c. Evidence of how the Accused reacted to the incident and the Complainant;
- d. The credibility of the evidence presented;
- e. Evidence of any past instances of unlawful discrimination, harassment, or retaliation or other misconduct; and
- f. Any other information the Investigator finds as relevant.

The decision of whether the incident(s) that occurred constitute prohibited discrimination, harassment, or retaliation based on a Protected Category must be supported by a preponderance of the evidence. A preponderance of the evidence means that the evidence presented shows that one result is more likely than not to be true.

### 3.3. Response to Complaint

Within seven calendar days after receiving the report from the Investigator, the Provost must determine a response to the Complaint. In reaching a decision as to how to respond, the Provost may take into consideration the following:

- a. The report and recommendation of the Investigator;
- b. The effect of the misconduct on the Complainant;
- c. The type, frequency, and duration of the misconduct;
- d. The relationship between the Complainant and Accused;
- e. The number of people engaged in the alleged conduct;
- f. The context of the alleged conduct;
- g. Other incidents of alleged misconduct by the Accused;
- h. Advice of legal counsel or other professionals;
- i. Whether an Optional Informal Resolution Agreement was violated; and

- j. Any other information the Provost deems as relevant.

The decision of whether or not discrimination, harassment, or retaliation occurred based on a Protected Category must be supported by a preponderance of the evidence. If the Provost determines that discrimination, harassment, or retaliation occurred, the Provost will also determine the steps that will be taken to prevent recurrence of any discrimination, harassment, or retaliation, and to correct its effects on the complainant, and others.

Within eight calendar days after receiving the report from the Investigator, the Provost will provide a written notice to the Complainant (Complainant Notice) concerning the outcome of the investigation. The Complainant Notice shall state that an investigation was performed, the outcome of the investigation, and any remedies provided to the Complainant. In order to maintain privacy rights, the Provost is not required to disclose every detail about the nature of any corrective action taken against the Accused. However, for complaints of discrimination, harassment, intimidation, or retaliation, the Complainant Notice will include the consequences imposed on the Accused that relate directly to the subject of the complaint, such as requiring that the Accused stay away from the Complainant, prohibiting the Accused from attending school for a period of time, or transferring the Accused to other classes or another school.

The Complainant Notice shall advise the Complainant that if he or she continues to experience or witness discrimination, harassment, or retaliation he or she should immediately report such incidents to the Investigator. Further, the Investigator will follow up with the Complainant within 30 calendar days of the Provost's Complainant Notice to see if there have been new incidents or retaliation for making a complaint. The Investigator will keep a record of his or her findings and promptly investigate, using Section 2.1, any further allegations and will notify the Provost in writing of the further allegations and investigation within 10 calendar days of learning of the further allegations.

If the outcome of the investigation is that there was no discrimination, harassment, or retaliation based on a Protected Category, the Complainant Notice will also include the Complainant's right to appeal the decision of the Provost within 15 calendar days of the date of the Provost's Complainant Notice. The Complainant Notice will include the procedures for initiating such an appeal.

Within eight calendar days after receiving the report from the Investigator, the Provost will send a separate notice of the outcome to the Accused (Accused Notice). The Accused Notice shall state the outcome of the

investigation, whether the allegations were substantiated and what, if any, corrective action will be taken to prevent recurrence of any discrimination and to correct its effects. The Accused will have the opportunity to appeal any finding that he or she engaged in discrimination, harassment, or retaliation by filing an appeal within 15 calendar days of the date of the Accused Notice. The Accused Notice will include the procedures for initiating such an appeal.

Should no request for an appeal be initiated within the time to appeal, the decision of the Provost will be final and binding.

#### 4. Appeal Process

To appeal a decision of the Provost, the appealing party must provide written notice (“Notice of Appeal”) to the Director of Students of his or her intent to appeal within 15 calendar days of the date of the Complainant or Accused Notice by the Student Services. The Notice of Appeal must include the specific reasons for the appeal and any evidence the appealing party would like considered as part of the appeal. Within three school days of receiving the Notice of Appeal, the Dean of Students will provide notice to the non-appealing party of the appeal and the basis for the appeal. The non-appealing party will have 15 calendar days to respond to the statements in the appeal.

The appeal process will be limited to determining (1) whether the decision as to a finding or no finding of discrimination, harassment, or retaliation was supported by a preponderance of evidence; (2) whether the findings of the Investigator as to whether or not the incidents occurred are supported by a preponderance of the evidence; and (3) whether the investigation was conducted in a fair and impartial manner.

The appeal will be decided by an impartial panel selected by the President. The panel shall consist of three impartial persons who have received training in the laws of discrimination, harassment, and retaliation. The President will appoint one person to chair the panel. The panel will receive and review the Notice of Appeal, a copy of the investigation notes, the report by the investigator, and the Complainant and Accused Notices. The chairperson will arrange meetings of the panel to discuss the appeal and render a decision.

The written appeal decision shall include a summary of the issues raised on appeal, a summary of the evidence considered, a decision as to the appeal, what evidence supports the decision, and what additional remedies, if any, are necessary. The panel will provide a written

appeal decision of its findings to the Complainant, the Accused, the Provost, and the Investigator within 50 calendar days of receipt of the Notice of Appeal.

The decision of the panel is final and will conclude the complaint process.

#### **Definition of Sexual Harassment**

- A. Any act of “quid pro quo” (“something for something”) sexual harassment, where a student, supervisor, faculty or other employee with the power or authority to grant or withhold benefits or privileges, demands sexual favors in exchange for benefits or privileges. No student or employee should so much as imply that another student or employee’s “cooperation” with sexual demands will have any effect on academic performance, career development, or any other aspect of education.
- B. Unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature when submission to or rejection of such conduct is used as the basis for decisions or has the purpose or effect of unreasonably interfering with an individual’s performance or creating an intimidating or hostile environment.
- C. Unwelcome sexual advances, requests for sexual favors, or other verbal or physical conduct of a sexual nature when submission to or rejection of such conduct is used as the basis for decisions or has the purpose or effect of unreasonably interfering with an individual’s performance or creating an intimidating or hostile environment.
- D. Examples of conduct that is prohibited by this policy include, but are not limited to, the following conduct:
  - Explicit or implicit demands for sexual favors in return for benefits or privileges.
  - Unwelcome letters, email communications, or telephone calls of a sexual nature.
  - Distribution or display of materials of a sexual nature, including posters, screen savers or computer graphics, calendars, or pictures of men or women who are dressed in a suggestive manner.
  - Utilizing AUHS’s facilities, time, or resources in relation to any form of entertainment, such as strippers or belly dancers, that tends to present men or women as sexual objects.
  - Physical assaults of a sexual nature or coerced sexual contact.

- Unwelcome and deliberate touching, leaning over, cornering, pinching, or other untoward sexual behavior.
  - Unwelcome sexually suggestive looks or gestures.
  - Unwelcome pressure for sexual favors or dates.
  - Unwelcome teasing, jokes, remarks, innuendos, insults, questions, or vulgar language that relates to or is based on a person's sex. Students and staff are asked to be mindful of others around them. Comments not intended as harassment, and not perceived as such by the person to whom they are directed, may be offensive and unwelcome to another employee or student who overhears them.
  - Affording favorable treatment to those who grant sexual favors, or unfavorable treatment to those who refuse to submit to or reject requests for sexual favors.
- E. This policy prohibits sexual harassment of people of the opposite sex (male toward female, female toward male) or people of the same sex (male toward male, female toward female). This policy not only prohibits faculty sexual harassment of students, but it also prohibits misconduct by any member of our educational community toward a faculty member, staff member, or a fellow student.

### **Reporting Prohibited Harassment, Including Sexual Harassment**

- A. Students are encouraged to comply with this policy and to report conduct that they believe to be prohibited harassment.
- B. The students are encouraged to bring the improper conduct to the attention of the appropriate member of management using the following complaint procedure:
1. Any student who believes that he/she is being harassed should promptly report his/her concerns to:
    - The Director of Student Services, and/or
    - The Campus Program Dean/ Academic Dean
    - Provost/CAO, and/or
    - The Campus President
  2. It is the responsibility of each supervisor within his/her area of control to report student complaints in writing to the Campus President.
  3. American University of Health Sciences will investigate all harassment complaints; including talking with witnesses as

appropriate, and in doing so will make every effort to treat the complaint and resulting investigation discreetly.

4. If the report of prohibited harassment is substantiated, AUHS will take corrective action it deems appropriate. Based on the severity of the offense in the case of an employee violator, the action may include, but is not limited to, oral or written reprimand, demotion, suspension, or termination. Based on the severity of the offense in the case of a student violator, the action may include, but is not limited to, oral or written reprimand, suspension, or expulsion.
- C. If students have any questions regarding sexual harassment in the workplace or this policy, they should contact the Director of Student Services, Campus Program Dean/Academic Dean, or Campus President.
- D. The law prohibits retaliation for reporting any form of illegal harassment, or for filing a complaint, testifying, assisting, or participating in any manner in an investigation, proceeding, or hearing regarding any form of illegal harassment. American University of Health Sciences will take appropriate measures to ensure that no such retaliation occurs.
- E. Continued compliance with these policies will assure that the learning environment at American University of Health Sciences remains harassment free and that employees and students treat each other with mutual respect.

If a student, after following the grievance process outlined above, feels that the school still has not adequately addressed a complaint or concern, the student may consider contacting or writing to the following:

Bureau for Private Postsecondary Education (BPPE)  
1747 N. Market Blvd. Suite 225, Sacramento, CA 95834  
Telephone: 916-574-7720

Website: <https://bppe.ca.gov/>

California Board of Registered Nursing (BRN)  
1747 N. Market Blvd., Suite 150, Sacramento, CA 95834

Telephone: (916) 322-3350 | (916) 574-7699

Website: <https://www.rn.ca.gov/>

Commission on Collegiate Nursing Education (CCNE)  
655 K Street NW, Washington DC 20001;  
Telephone: 202-887-6791

E-mail: [firstname.lastname@ccneaccreditation.org](mailto:firstname.lastname@ccneaccreditation.org)

Websites: <https://www.aacnnursing.org/>



Transnational Association of Christian Colleges and Schools (TRACS), 15935 Forest Road, Forest, VA 24551;  
Telephone: 434-525-9539;  
Email: info@tracs.org.  
Website: <https://tracs.org/>

WASC Senior College and University Commission (WSCUC), 1001 Marina Avenue, Suite 100, Alameda, CA 94501  
Telephone: 510.748.9001  
Website: <https://www.wscuc.org/>

Accreditation Council for Pharmacy Education (ACPE), 190 South LaSalle Street, Suite 2850, Chicago, Illinois 60603,  
Telephone: 312-644- 3575; FAX 866-228-2631  
Website: <https://www.acpe-accredit.org/>

### **ACADEMIC STUDENT COMPLAINTS/ GRIEVANCES (NOT FOR DISABILITY/ HARASSMENT)**

AUHS University recognizes that, on occasion, a student may have a concern or issue that necessitates a prompt and fair resolution. To address this issue, the student is to follow the prescribed series of steps in an effort to obtain a mutual and satisfactory resolution of the student's concern or issue.

#### **Reasons for Academic Grievances:**

- A claim is made that an inappropriate grade has been assigned because the faculty member has miscalculated the grades or misconstrued the science or evidence, and the student can demonstrate from the scientific literature that such is the case. Academic grievance cannot be brought because of the faculty member's alleged erroneous academic judgment (i.e. ., not a claim that course standards are too high, reading is too heavy, or the grade curve is too low).
- A student may present evidence that a course final grade was miscalculated due to faculty error; however, a 30-day time limit applies.
- be grieved within 30 days of the occurrence of the incident.
- If a student has an academic issue or concern, with the exception of the Student Harassment Policy referenced above, (e.g., parking, ID cards, grades, etc.), the first person with whom the student should talk is the faculty/instructor where the concern is focused. Talking to the Director of Student Services is the next step in the process. The director will attempt to coordinate a mutual and satisfactory resolution with the individuals or departments involved.

- The following cases may NOT be grieved: Violations of the Academic Honor Code (specifically Academic Integrity and Student Conduct Violations which were considered serious enough to warrant a dismissal from the University).

#### **Procedure for an Academic Grievance:**

The procedure to file an academic complaint is as follows:

1. The student with a complaint should first try to reach agreement with the faculty member. Upon being notified of the student complaint the faculty member must meet with the student within 10 calendar days.
2. If the faculty member does not meet with the student within 10 calendar days, or if such a meeting is inappropriate, or if the issue remains unresolved after the meeting:
3. The student may submit a written appeal to the Dean/Program Director who will attempt to mediate the complaint. The written appeal must be submitted within 5 calendar days of the meeting between the student and faculty member or 15 days from the first notice of the grievance.
4. The Program Dean/Academic Dean/Chair must provide the grievant with a written decision on the appeal and a description of the proposed resolution, if any, no later than 15 calendar days after the submission.
5. A student may appeal the decision by the Dean/Program Director to the Chief Academic Officer/ Provost of AUHS. This appeal request must be submitted no more than 5 calendar days after the student's receipt of the Dean/Director's decision.
6. The office of the Chief Academic Officer/ Provost of AUHS will establish an appeals panel committee within 15 calendar days of receipt of the appeal. If too close to the end of the quarter the panel must be convened within 15 days of the beginning of the next quarter. The panel shall be made up of 5 members. 2 faculties from the academic program. Two students are also on the panel. One student from the program and one student from one of the other programs on campus. The Director of Student Affairs/Student Services completes the 5 members' panel.
7. The panel shall schedule a hearing and -
  - Have all materials and testimony available for review 5 calendar days before the hearing;

- Provide the student and faculty member an opportunity to examine all the documentation;
  - Allow the selection of an advisor from the school community for the student and/or faculty; and
  - Allow the student and faculty to submit summary statements at the hearing.
8. Submit a report of the panel's decision to the Chief Academic Officer of AUHS within 10 calendar days following the hearing.
  9. If a student still cannot find a satisfactory resolution, he/she can take the next step and initiate a grievance process by presenting a signed Grievance Statement Form to the Campus President.

### **Agreement to Binding, Individual Arbitration and Waiver of Jury Trial**

The student understands that both the University and he/she irrevocably waive rights to a trial by jury and elect instead to submit all claims involving or between the parties and any past or present affiliates or employees to the binding, confidential decision of a single arbitrator instead of a court because it is fair, economical, and speedy. The arbitration shall be binding and conducted pursuant to the Federal Arbitration Act by the American Arbitration Association (AAA) under its Supplementary Procedures for Consumer-Related Disputes. The University and student also agree that if any provision of this agreement is found to be invalid or unenforceable, then such specific part or parts shall be of no force and effect and shall be severed, but the remainder of the agreement shall continue in full force. The signed arbitration agreement will survive the termination of the student's relationship with the University.

### **Terms of Arbitration**

1. Neither the University nor the student shall file any lawsuit in any court against the other and agree that any suit filed in violation of this provision shall be promptly dismissed by the court in favor of an arbitration conducted pursuant to this provision. Both the University and the student agree that the moving party shall be entitled to an award of costs and fees of compelling arbitration.
2. The costs of the arbitration filing fee, arbitrator's compensation and facilities fees that exceed the applicable court filing fee will be split equally by the student and the University for all claims less than \$75,000 and the student will be responsible for all fees if the student

- claims more than \$75,000. The student will not be responsible for arbitration fees if he/she demonstrates hardship and, if represented, his/her attorney does not advance clients' litigation costs. All fees, including attorney's fees, shall be paid by a party whose claims are determined to be frivolous. The arbitrator has power to award prevailing party attorney's fees and costs if a claim is based on a statute providing such fees to any party.
3. In order to respect the student's privacy and that of fellow students; promote the speedy resolution of the claim; recognize that the facts and issues are unique to the student alone; and recognize the significant amount of the student's tuition likely will allow the student to find a lawyer willing to take the case, the student will not combine or consolidate any claims with those of other students, such as in a class or mass action, or for the claims of more than one student to be arbitrated or litigated jointly or consolidated with any other student's claims.
  4. Any dispute as to the arbitrability of a particular issue or claim shall be resolved in arbitration. Any issue concerning the validity of paragraph 3 above must be decided by a court, and an arbitrator does not have authority to consider the validity of the waiver. If for any reason the class action waiver in paragraph 3 is found to be unenforceable, any putative class action may only be heard in court on a non-jury basis and may not be arbitrated under the Arbitration Agreement.
  5. The student may opt out of this single-case provision by hand-delivering a written statement to that effect to the campus president of his/her campus within 30 days of the first execution of an Enrollment Agreement with the university.
  6. Any remedy available from a court under the law shall be available in the arbitration. The arbitrator(s) shall not have the power to commit any error of material fact, in law, or in legal reasoning.
  7. Nothing in the agreement prohibits the student from filing a complaint with the state regulatory agency or accrediting agency listed in the catalog.
  8. Except as specifically required by law of the state in which the agreement is executed, the fact of and all aspects of this arbitration and the underlying dispute shall remain strictly confidential by the parties, their representatives, and the AAA.

9. To the extent the student has outstanding federal student loan obligations incurred in connection with the student's enrollment at the University, any arbitration award providing monetary damages shall direct that those damages be first paid towards those student loan obligations.
10. If the University the student loses in arbitration, the losing party may appeal for de novo review to a court of competent jurisdiction if permitted by applicable law. Once the notice of appeal is timely served, the arbitration award shall no longer be considered final for purposes of seeking judicial enforcement under the applicable arbitration statute. The final decision rendered by the arbitrator may be entered in any court having jurisdiction.

#### **Procedure for Filing an Individual Arbitration**

1. Students are strongly encouraged, but not required, to utilize the Grievance Procedure described in the catalog prior to filing arbitration.
2. A student who desires to file arbitration should first contact the campus president, who will provide the student with a copy of the AAA Supplementary Procedures for Consumer-Related Disputes. The most current AAA Supplementary Procedures for Consumer-Related Disputes is also available online at <https://adr.org/>. A student who desires to file arbitration should then contact the AAA directly to obtain the appropriate forms and detailed instructions.
3. A student may, but need not, be represented by an attorney in arbitration.
4. Unless the parties agree otherwise, the location of the arbitration shall be in a locale near the student so long as the student is located in the United States.
5. Any or all of the provisions set for in the Arbitration Agreement may be waived by the party against whom the claim is asserted, but such waiver shall be in writing, physically signed (not merely electronically signed) by the party waiving, and specifically identify the provision or provisions being waived. Any such waiver shall not waive or affect any other portion of the Arbitration Agreement.

#### **ADDITIONAL INFORMATION**

##### **Copyright Infringement Policy**

Copyright infringement is the act of exercising, without permission or legal authority, one or more of the exclusive rights granted to the copyright owner under

section 106 of the Copyright Act (Title 17 of the United States Code). These rights include the right to reproduce or distribute a copyrighted work. In the file-sharing context, downloading or uploading substantial parts of a copyrighted work without authority constitutes an infringement.

The Higher Education Opportunity Act of 2008 (HEOA) includes provisions that are designed to reduce the illegal uploading and downloading of copyrighted material through peer-to-peer (P2P) file sharing. These provisions include requirements that:

- Institutions certify to the Secretary of Education that they have developed plans to "effectively combat" the unauthorized distribution of copyrighted material.
- Institutions make an annual disclosure that informs students that the illegal distribution of copyrighted materials may subject them to criminal and civil penalties and describes the steps that institutions will take to detect and punish illegal distribution of copyrighted materials.
- Institutions publicize alternatives to illegal file sharing.
- American University of Health Sciences currently employs bandwidth-shaping technology to prioritize network traffic, and blocks students' ability to access these sites from the student computer networks.
- American University of Health Sciences responds promptly to legitimate notices or letters of illegal copyright infringement based on the requirements of the Digital Millennium Copyright Act and directs both its Information Technology and Compliance departments to investigate and respond.

##### **Sanctions**

American University of Health Sciences will cooperate fully with any investigation by public authorities related to illegally downloaded copyrighted information. Students found guilty will be subject to the full extent of fines and penalties imposed, as well as facing automatic loss of American University of Health Sciences network access, and possible suspension.

Penalties for copyright infringement include civil and criminal penalties. In general, anyone found liable for civil copyright infringement may be ordered to pay either actual damages or "statutory" damages affixed at not less than \$750 and not more than \$30,000 per work infringed. For "willful" infringement, a court may award up to \$150,000 per work infringed. A court can, in its discretion, also assess costs and attorney fees. For details, see Title 17, United States Code, Sections 504,

505. Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense.

For more information, please see the Web site of the U.S. Copyright Office at <https://copyright.gov/> especially its FAQs at <https://copyright.gov/help/faq/index.html>.

### **Annual Disclosure and Education**

Consistent with its educational principles, AUHS views education as the most important element in combating illegal sharing of copyrighted materials. The University uses a wide variety of methods to inform its community about the law and its internal response to copyright infringement claims:

- In order to use University computer resources, all students enrolled in American University of Health Sciences will endorse a Computer User Agreement that includes a section on copyright compliance.
- Posters are being mounted in student computer labs and Learning Commons to educate students and discourage illegal file sharing.

### **Alternatives to Illegal File Sharing**

American University of Health Sciences does not block access from campus to all legitimate sources of copyrighted material. Although it cannot maintain an up-to-date list of alternatives, it points students to the Educause list at: <https://www.educause.edu/focus-areas-and-initiatives/policy-and-security/educause-policy/legal-sources-online>

American University of Health Sciences will review this plan each year to ensure it is current and maintains the appropriate and necessary information to effectively combat illegal file sharing, as well as update the methods employed as new technological deterrents become available.

### **AUHS is a Drug-Free Campus**

American University of Health Sciences' students are expected to comply with local, state, and federal laws relating to the use of drugs and alcohol. The University will not tolerate conduct that disrupts the campus or the academic environment. The University values its relationship with the adjoining community and recognizes the right of its neighbors to be secure from abusive conduct, and potentially dangerous behavior caused by use of drugs and alcohol on campus property.

With this in mind, American University of Health Sciences has established a clear, concise policy related to the use of alcohol and drugs: The use, possession, sale, or distribution of any controlled substance; the use,

sale, possession, or distribution of alcohol by anyone under the age of 21; and the unauthorized possession of any alcoholic beverages on campus property or used in the course of school-sponsored activities, are strictly prohibited.

American University of Health Sciences has also established sanctions for violations of this policy. The sanctions, ranging from warnings and substance abuse awareness programs for minor offenses to dismissal and/or referral to civil authorities for major and/or multiple offenses, are applied consistently and fairly. These sanctions, as well as the judiciary process that is followed, are discussed in detail in the Annual Safety and Security Report. The Institution recognizes that while the sanctioning process is educational in nature, students must understand that they will be held accountable for their actions in both the University setting and the external world. Therefore, American University of Health Sciences administrators will cooperate fully with law enforcement actions regarding use of drugs or alcohol on school grounds.

The Institution unequivocally prohibits the illegal possession and/or professionally unsupervised use of all prescription drugs, and controlled substances, including marijuana, by any member of its community. It is an especially serious offense to sell, provide, share, or distribute drugs. Drug paraphernalia discovered on AUHS campuses may be subject to confiscation. Selling or distributing drugs will result in suspension or dismissal from the University, in addition to possible prosecution by local authorities.

Information regarding AUHS's alcohol and drug abuse prevention program is published in the Annual Campus Safety and Security Report, which also includes information on the physical effects of drugs and alcohol, as well as local resources and abuse prevention programs. The document, distributed each year to all members of the AUHS community as a component of the Student Right-to-Know Notices and Disclosures mailing, is available from the Student Affairs/Services office. In addition, it is being posted on the American University of Health Sciences website.

### **Drug Free Schools Act**

AUHS forbids the use, possession, distribution, or sale of drugs or alcohol by students, faculty, or staff anywhere on the University's property or at University-sponsored events off-campus. Anyone in violation of state, federal or local regulations with respect to illegal drugs or alcohol may be subject to both criminal prosecution and campus disciplinary action.

### **Campus Crime and Security Act**

American University of Health Sciences is in compliance with the Campus Crime and Security Act of

1990 and publishes an annual report on approximately October 1 of each year. Should students become witnesses to or victims of a crime on campus, they should immediately notify University officials and report the incident to the local law enforcement agency. Emergency numbers are located throughout the campus.

### **Safety Information**

The security of all members of the campus is a primary concern to the University. Each year, AUHS publishes a report outlining security and safety information and crime statistics for the campus community. This report provides important policy information about emergency procedures, reporting of crimes, and information about support services for victims of sexual assault. The report on such crimes is available from the Director of Student Affairs/Services, who is responsible for maintaining records of all crimes that occur on campus.

### **Dress Code**

American University of Health Sciences is dedicated to instilling professionalism and attitudes in its students. Therefore, the manner in which students dress should project a clean and respectable image. Laboratory situations may require a specific mode of dress in order to ensure safety. If a program requires a uniform, then the complete uniform is to be worn. (Please refer to Student Handbook).

### **Library Services**

The University maintains a number of reference books, journals, and other pertinent publications. These reference materials are kept for use on school premises but may be checked out by special permission of the instructor or Librarian. In these cases, all materials must be signed by the student and returned on the appointed date. Unreturned items will be charged to student account.

Students may also access the World Wide Web and other information portals of electronic retrieval from the designated Internet stations located in the library.

To gain access to such resources, students may use their student ID. Use of the student ID should gain access to any electronic portals available at the University.

### **Nursing Skills Laboratory**

AUHS lab is supervised by a nursing faculty member or nursing skills laboratory manager and is open to all nursing students through self or faculty referral by appointment. The laboratory is open 20 hours per week to provide access to equipment and opportunity to practice skills to gain mastery.

### **Lost and Found**

Please contact the Student Affairs/Services Department for the location of the lost and found.

### **Parking Policies**

Please contact the Student Affairs/Services Department for parking policies.

### **Smoke-Free Campus**

AUHS is a smoke-free campus. Smoking or the chewing of tobacco products is not permitted within 200 yards of the campus perimeters.

### **Student ID Cards**

Student ID cards are required for building access and must be visible while on campus.

### **Student Official Email Address**

Students are required to use officially assigned AUHS email address upon enrollment and should be used in all correspondences to AUHS.

To ensure account security, AUHS's password policy requires all users to change their respective passwords every 180 days. This password change will impact the AUHS Email (Office 365).

AUHS student password must have at least 12 digits and contain one upper case letter, one lower case letter, one number, and one special character (i.e. &, \$,\*). You cannot use any of your five previous passwords.

AUHS student email cannot be forwarded to personal email due to security policy.

### **Transportation**

Please contact the Student Affairs/Services Department for information regarding public transportation.

### **Visitors**

All visitors, including a student's guests, must register with the receptionist. The student is responsible for the guest's behavior while visiting AUHS.

### **Program Changes/Policy Guidelines**

American University of Health Sciences has the right, at its discretion, to make reasonable changes in program content, class schedules, materials, and equipment, as it deems necessary in the interest of improving the students' educational experience. American University of Health Sciences reserves the right to make changes in organizational structure, policy and procedures as circumstances dictate. When size and curriculum permit, classes may be combined to provide meaningful instruction and training, or team teaching may be facilitated to contribute to the level of interaction among students. When ongoing federal, state, accreditation, or professional changes occur that affect students currently in attendance, the institution will

make the appropriate changes and notify the students accordingly.

### **Notice to Applicants and Students with Misdemeanor and Felony Convictions**

Employment in most health care positions requires a background check. The University does not believe that students should make a substantial investment of time and money if the ability to secure employment in the field of study is unlikely. Students in the Nursing and Pharmacy programs with misdemeanor convictions may not be able to be placed for their clinical course work or become licensed. Prospective students are required to disclose information relating to any felony or misdemeanor conviction to their admissions representative upon application or when the event occurs.

### **Background Check Policies**

All applicants to programs at American University of Health Sciences which lead to licensure are subject to a background check as part of the admissions process to their degree programs or prior to any clinical coursework required for the completion of the degree. The background check results must be such that they do not interfere with a student's ability to be placed in clinical settings or the student's eligibility for licensure. Additional requirements may be made by the clinical site to which a student is assigned. When a background check discloses a misdemeanor conviction, an outstanding arrest for a felony or misdemeanor, or other concern that would lead to denial of admission or drop from the program, the affected student or applicant may appeal the decision to the Program Dean/Academic Dean/Chair of the program to which the student has applied. Should a student or applicant be dissatisfied with the decision of the Program Dean/ Academic Dean/ Director, the student or applicant may appeal in writing to the Office of the Chief Academic Officer/Provost, specifying why the original decision should be reconsidered. See grievance policy.

### **State and National Board Examinations/Licensure Requirements**

Certain costs related to state and national licensing and/or certification and registration examinations are the student's responsibility. American University of Health Sciences will provide students with information regarding test dates, locations, and fees whenever possible. Students should be aware that all test fees, unless stated on the enrollment agreement, are in addition to the tuition paid to the University. Students who choose to participate in state and national licensing and/or certification or registration examinations are responsible for paying the sponsoring organizations. Eligibility for licensure in the state of California (e.g., in

nursing) is determined by the state. AUHS only certifies to the state that a student has met all the educational requirements and the state therefore determines eligibility. Students who have felonies in the records should check with the state prior to beginning any licensure program. To be recommended to the California Board of Registered Nursing (BRN) to take the licensure exam as a Registered Nurse, students must successfully complete the RN Prelicensure Certification Requirements listed in N460 Transition to Professional Practice and with a passing grade of C+. The results of this RN Prelicensure Certification Requirements will not impact the conferring of the bachelor's degree. Students are also advised to check with their academic department's administrative office to determine their responsibility for fees incurred in the course of professional testing, licensing, certification or registration. Since passing state and national board examinations are pre-requisite to students obtaining licensure in many fields, American University of Health Sciences places a high priority on preparing students to successfully pass these examinations. Students are urged to take state or national board examinations as soon after program completion as possible to enhance the likelihood of success. For further program-specific state and board examination requirements, see program specific information in this catalog.

## REGULATIONS

*“Praise the LORD! Oh, give thanks to the LORD, for He is good! For His mercy endures forever. Who can utter mighty acts of the LORD? Who can declare all His praise? Blessed are those who keep justice, and he who does righteous at all times!”*

*~Psalm 106:1-3*



## **ACADEMIC FREEDOM**

With the major changes that are currently in process in academic health centers—in the teaching of students, in the status of health science school faculty, and in the conditions under which these faculty members work—it is urgent that clear-cut policies on academic freedom is formulated, made known and addressed.

The modern health care industry is now more complex and market-driven, with instructors and professors often acting as entrepreneurs in research and in-patient care. It is marked by conflicting roles and responsibilities, both academic and nonacademic, for faculty members and administrators alike. The intense competition for private or governmental funding can affect the choice of research subjects, and in some instances, scientists in academic medicine are finding it difficult to secure funding for unorthodox research or research on matters that are politically sensitive. The growing reliance on the clinical enterprise at many medical schools, and the resulting expansion of the number of professors who are engaged mainly in clinical work, may serve to divert the schools from their teaching mission, and may implicitly or explicitly dissuade professors from devoting their attention to such activities as graduate teaching or academic service that are not income producing in nature.

Academic freedom should be especially nurtured and supported because of the constraints surrounding medical and clinical research. Rules governing genetic research and engineering, debates about the beginning and end of human life, and disputes about the use of animals for research and experimentation are examples of matters that can profoundly affect the work of medical school professors. While society may require restraints on the pursuit of knowledge in these and other similarly sensitive areas, basic principles of academic freedom, in the field as well as elsewhere in an institution of higher learning, must be observed.

The American University of Health Science upholds the following cornerstones of academics:

### **Freedom to Inquire and to Publish**

The freedom to pursue research and the correlative right to transmit the fruits of inquiry to the wider community -without limitations from corporate or political interests and without prior restraint or fear of subsequent punishment — are essential to the advancement of knowledge. The pursuit of medical or clinical research, however, should proceed with due regard for the rights of individuals as provided by standard protocols on the use of human and animal subjects. Any research plan involving such matters must be reviewed by a body of faculty peers and/or the University Institutional Review Board (IRB) before the research is initiated and while it

is being conducted. AUHS is a Christian University and within these perimeters, faculty is afforded academic freedom. All research protocols going to any external agencies must be reviewed and approved by the Provost at AUHS and a signature of approval must be affixed before the grant is sent to the agency.

### **Patents and Royalties from Patents**

If a patent is expected to be produced from any and all research endeavors and other ongoing work produced at AUHS as a faculty member, the assignment of the patent must be made exclusively to AUHS. Similarly, royalties from all patents are also to be assigned to AUHS accordingly.

### **Freedom to Teach**

The freedom to teach includes the right of the faculty to select the materials, determine the approach to the subject, make the assignments, and assess student academic performance in teaching activities for which they are individually responsible: of which are in alignment with the Institutional Learning Outcomes (ILOs), Program Learning Outcomes (PLOs), and Course Learning Outcomes (CLOs), without having their decisions subject to the veto of the Chief Academic Officer, Program Dean/Director/Chair, or other administrative officer as long as they follow University protocol related to respecting times for changing of texts, etc. (Changing course 'required' textbooks requires ample notice to the librarian and program administrator). Teaching duties in health science schools that are commonly shared among a number of faculty members require a significant amount of coordination and the imposition of a certain degree of structure, and often involve a need for agreement on such matters as general course content, syllabi, and examinations <https://www.aaup.org/>. Often, under these circumstances, the decisions of the group may prevail over the dissenting position of a particular individual. When faculty members are engaged in patient care, they have a special obligation to respect the rights of their patients and to exercise appropriate discretion while on rounds or in other non- classroom settings.

### **Freedom to Question and to Criticize**

Faculty members should be free to speak out on matters having to do with their institution and its policies to administration, and they should be able to express their professional opinions to administration without fear of reprisal. In speaking critically to administration, faculty members should strive for accuracy and should exercise appropriate restraint. Tolerance of criticism to administration, however, is a crucial component of the academic environment and of an institution's ultimate vitality.



Despite the serious challenges currently facing them, our institutions of academic health science should respect and foster conditions that are essential to freedom of learning, freedom of teaching, and freedom of expression.

### **Faculty Senate Bylaws**

Each School (Nursing, Pharmacy/Biomedical Sciences) maintains their own Faculty Bylaws. Faculty Bylaws are defined guidelines and procedures for the organization and governance of each school within the University. The purpose of having such guiding principles is so that faculty members may understand their responsibility and faithfully perform their duties with respect to education, research/ scholarship, service, scholarship, cultural diversity and Christian Values, the pillars upon which the University is formed.

The principle upon which faculty bylaws are created includes providing for an effective means of collective collaborative participation by the faculty in the consideration, formulation and implementation of recommendations and decisions related to the academic policies of the School and those University policies that affect the School and its faculty. Faculty bylaws are governing documents, which provide the faculty members with an opportunity to express, through representation, their concerns, and opinions about matters vital to the welfare of the University, the program (school) and the excellence of its educational programs.

### **INSTITUTIONAL PLAN**

Obtaining alumni feedback, through alumni and Employer Surveys, is vital to the success of the current students.

Understanding the demands placed on our students as they enter the job market allows the faculty to adapt to their needs.

Industry Analysis is also conducted, since the industry is, after all, one of the ultimate beneficiaries of our educational products. The University interacts regularly with business leaders and health care professionals in a continuing effort to assess ever-changing workplace needs.

Curricula of all program offerings are evaluated yearly and based on how the reception of the Industry requirements has been met. The President, Chief Academic Officer, Dean or Program Directors, Faculty and Administrative Staff reviews the University's programs curricula are discussed at the Departmental, Faculty, Staff, and Advisory Board Meetings.

As changes and merging trends occur, the University will adjust to these changes accordingly whereby the faculty of AUHS will be realigning the courses to be more practical to the current working environment, allowing the student to start a job with practical as well as intellectual knowledge.

### **ACCESS TO INFORMATION**

#### **Acceptable Use of Information Systems**

Access to computer facilities and systems owned or operated by the University imposes certain responsibilities and obligations and is granted subject to academic policies and government laws. Acceptable and legal use of computer facilities and system should be ethical, should reflect academic honesty, and show restraint in the consumption of shared resources. It demonstrates respect for intellectual property, ownership of data, system security mechanisms, and individuals' rights to privacy and to freedom from intimidation and harassment.

Guidelines for acceptable use of resources:

1. Use resources only for authorized purposes.
2. Protect personal user ID and system from unauthorized use. Each individual is responsible for all activities on his/her personal user ID or that originate from the system.
3. Access only information that is from your own personal ID, that is publicly available, and to which you have been given access.
4. Use only legal versions of copyrighted software in compliance with vendor license requirements.
5. Be considerate in one's use of shared resources. Refrain from monopolizing systems, overloading networks with excessive data, or wasting computer time, connect time, disk space, printer paper, manuals, or other resources.

### **PROCEDURES FOR KEEPING EDUCATIONAL RECORDS**

All pertinent educational records are organized, maintained, and stored at the Student Affairs/Services Office of the American University of Health Sciences, located at 1600 East Hill St. Building # 1, Signal Hill, CA 90755. Student records are documented and filed by the School Registrar at the Student Affairs/Services office. The University provides for a separate Registrar's room where student files and records are adequately locked and stored in secure theft and fire-resistant cabinets for security purposes. Records including transcripts of each student officially enrolled in the University are entered into the Student Information System (SIS) and will be maintained permanently. SIS is an electronic data base system created to store and access student records and

information. Copies of these documents may be printed and made available upon request of duly authorized entities.

#### **STUDENT AFFAIRS/SERVICES DEPARTMENT**

1600 East Hill St, Building 1 Signal Hill, CA 90755  
Tel (562) 988-2278

#### **Disclosure of Student Record of Conduct**

The University recognizes the Congressional law, known as the Family Educational Rights & Privacy Act, to permit the disclosure of limited information about the final results of campus court proceedings where a student is found in violation of school rules associated with either crimes of violence or non-forcible sex offenses. Colleges may release the name of the accused student, what they were accused of, and the sanction imposed by the school.

Congress decided that these records should not be secret so students could know if potentially dangerous students were being allowed to remain in their midst and if justice was being served. The law continues to protect the name of the victim.

Although the University maintains wide latitude to withhold scholastic records, they may at their discretion release them. Student files and records are kept separately from financial records.

The University has a Financial Aid Officer who separately organizes and maintains financial aid records. Financial records are only accessible to the Financial Officer and management with approved access.

Each student also has an individual financial file containing the following: documents related to student financial aid; documentation showing the total amount of money received from the student; documentation on tuition refunds, if applicable. The Financial Aid Officer stores and maintains both print and computer disc copies of all student files.

All student files are reviewed and updated before the start of every quarter. Each student file is maintained and stored in a secure theft and fire-resistant cabinet, whether or not the student completes the educational program.

#### **FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974, AS AMENDED “FERPA”**

Under the authority of the Family Educational Rights and Privacy Act of 1974, the school has established a policy for the release of student and/or graduate information:

1. All students attending this postsecondary institution, parents of minor students and

parents of tax-dependent student shall have the right to inspect, review and challenge their academic records, including grade, attendance, advising and any additional information contained in their education record or that of their minor or tax-dependent child. Students are not entitled to inspect financial records of their parents. As a postsecondary educational institution, parental access to students' records will be allowed without prior consent if the students are dependents as defined in Section 152 of the Internal Revenue Code of 1954.

2. Education records are defined as files, materials or documents that contain information directly related to students. The school President supervises records and access is afforded by school officials for purposes of recording grades, attendance and advising, as well as determining financial aid eligibility. Records are retained at the institution for a period of five years but maintained indefinitely.
3. Students may request a review of their records by writing to the Student Affairs/Student Services at the address in this catalog. The review will be allowed during regular school hours under appropriate supervision. Students may also obtain copies of their records for a nominal charge.
4. Students may challenge the record for purposes of correcting or deleting any of the contents. The changes must be made in writing, with the reason for the requested change stated fully. Grades and course evaluations can be challenged only on the grounds that they are improperly recorded. The Faculty and/or advisor involved will review the challenge and, if necessary, meet with the student, then determine whether to retain, change or delete the disputed grade.
5. If a student requests a further review, the school President will conduct a hearing, giving the student a full and fair opportunity to present evidence relevant to disputed issues. The student shall be notified of the President's decision, which will be final. Copies of challenges and/or written explanations regarding the contents of the students' record will be included as part of the students' record.
6. Directory information is information that may be unconditionally released to third parties by the school without the consent of the student unless the student specifically requests that the information not be released. The school requires students to present such requests in writing within 10 days of the date of

enrollment. Directory information includes the student's name, address, telephone number(s), birth date and place, program undertaken, dates of attendance and certificate or diploma awarded.

7. Written consent is required before education records may be disclosed to third parties with the exception of the accrediting commissions and government agencies so authorized by law.

### **STUDENT RIGHT TO KNOW AND CAMPUS SECURITY ACT OF 1990**

There have been no known crimes committed at this University to date. The following policies must be adhered to at this institution to ensure the safety of the students. Do not leave your money or jewelry in your purse or backpack. If you see, somebody's personal belongings left behind call it to their attention. The back stairway and door should never be utilized to enter or exit the building with the exception of emergencies. Evening classes start at 6:00 PM. The outside doors are locked at 6:30 PM. It is best to be early. Departure from the Institution should be done in-group or at minimum in pairs. Nobody should leave the premises at night unaccompanied.

If anyone is aware of crimes being committed at this Institution, you must notify a school administrator immediately. If a person knowingly observes crime and does not report it, they will be considered an accessory to the crime committed. Upon notification of crimes, the Director will notify the local authorities immediately. Following is a list of crimes that are to be reported: Murder, Forcible and non-forcible sex offenses, Robbery, Aggravated assault, Burglary, Motor Vehicle theft, Crimes of murder, forcible rape, and aggravated assault that show evidence of prejudice based on race, religion, sexual orientation, or ethnicity.

Possession of alcohol, drugs or any type of weapon is prohibited at this Institution. It is the intent of this Institution to have a drug free institution. Possession use or sale of alcoholic beverages or drugs will be cause for immediate termination. The possession uses or sales of drugs will be reported to the appropriate authorities. If you require any information regarding alcohol or drug abuse, please refer to the Director. We have information available regarding the effects of drug and alcohol abuse as well as a listing of agencies for rehabilitation and help.

### **CREDIT EVALUATION**

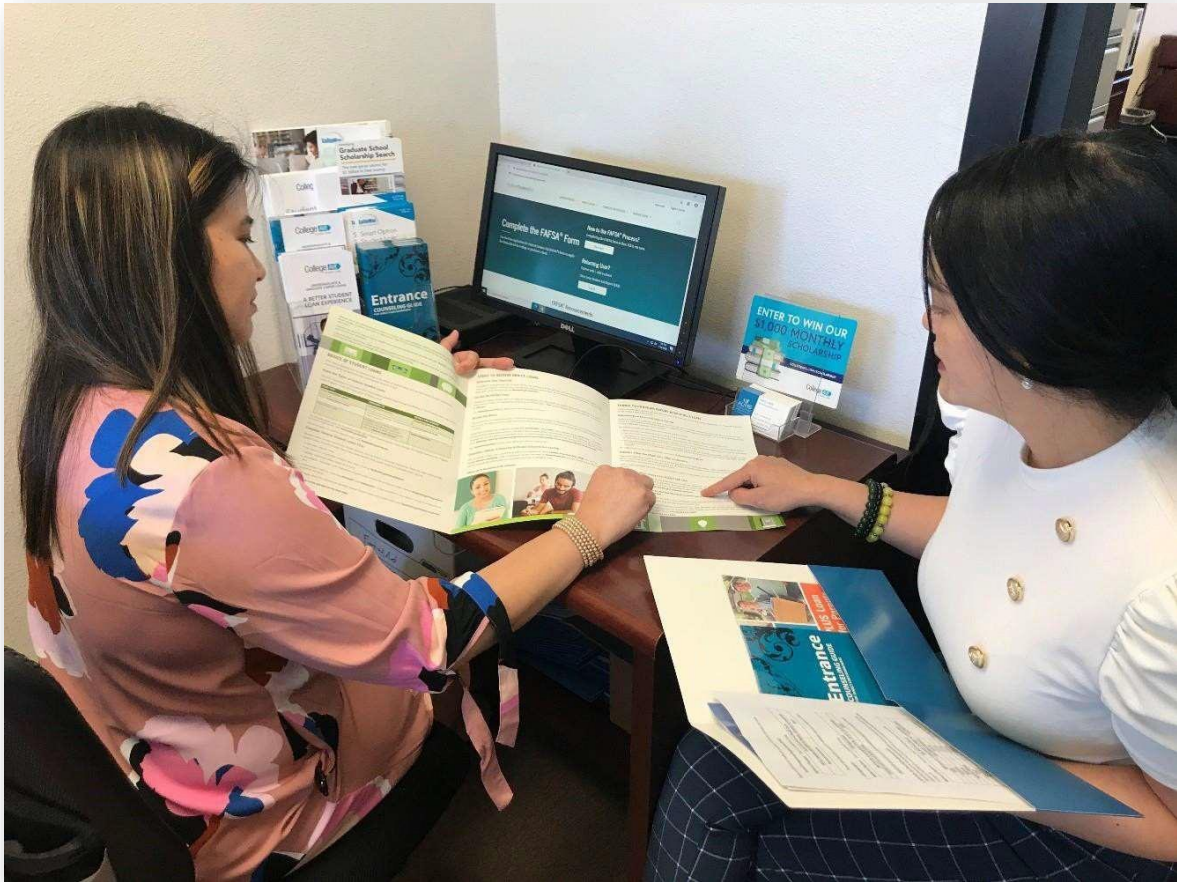
AUHS will grant appropriate credit for prior training upon review and verification for validity of courses requested for credit. Prior credit must be established upon initial enrollment at AUHS.

### **HEALTH AND PHYSICAL CONSIDERATION**

Generally, the professional in the nursing or pharmacy field must be in good physical health since he/she will be working in direct contact with patients. These fields require a great deal of standing, walking, pushing, bending, and stretching for extended periods of time. A person must consider his/her physical limitations in terms of making a career choice that involved extensive physical demands. We promote the acceptance of students with physical limitations or disabilities if these students (their parents or physician) believe they can fulfill training demands. Expectant mothers should consult with their physicians before enrolling.

## FINANCIAL AID

*Help, LORD, for no one is faithful anymore; those who are loyal have vanished from the human race.  
Everyone lies to their neighbor; they flatter with their lips but harbor deception in their hearts.  
~Psalm 12:1-2*



Financial Aid Department

## GENERAL INFORMATION

The Financial Aid Office at the American University of Health Sciences is there to assist students to achieve their dreams, their ambitions, their career, and lifelong educational goals.

The purpose of financial aid is to assist those students who, without such aid, might not be unable to attend AUHS. The primary responsibility for meeting the costs of education rests with individual students and their families. Financial aid funds are available to supplement whatever funds students and their families can reasonably provide. Students should complete the financial aid application upon enrollment, and they will be notified of funding by financial aid administrator. Students may qualify for student loans and/or grants, depending upon the information that the student provides. Conversations concerning financial aid, including the amount of any financial aid or a payment schedule, will only be conducted with student finance personnel.

Eligibility and disbursements of financial aid may change based on enrollment status each quarter. Because of federal financial aid regulations (excluding Pell), students whose enrollment status is less than half-time will have no financial aid eligibility for that quarter. Due to these eligibility requirements, it is important that students work with student affairs office to ensure full-time enrollment status each quarter. A change from full-time enrollment status could cause a loss of financial aid eligibility and create a cash pay situation for some students. Please consult a financial aid administrator with any questions regarding enrollment status and financial aid eligibility.

There are indirect costs while attending higher learning education. As an example, the following is an estimate of these costs per academic year (three quarter).

Costs have been estimated for California students for the year 2020-2021:

|   |           |
|---|-----------|
| Students not living with parents or who have dependents |           |
| Room and Board  | \$13,408* |
| Personal and Miscellaneous                              | \$1,136*  |
| Transportation  | \$ 3,552* |
| TOTAL   | \$18,096* |

|  |           |
|--|-----------|
| Student living with parents with no dependents |           |
| Room and Board                                 | \$6,032*  |
| Personal and Miscellaneous                     | \$1,008*  |
| Transportation                                 | \$3,168*  |
| TOTAL  | \$10,208* |

\*Ask Financial Aid Administrator for most current information.

There may be other expenses that a student may incur while attending school that may be taken into consideration in the cost of attendance. These other expenses will be accessed on an individual basis by the Student Financial Aid Office utilizing professional judgment.

## FINANCIAL AID AVAILABLE

The following financial aid programs are available at AUHS for those who qualify:

### **Federal Pell Grant for 2020-2021 (FPELL)**

This federal student grant program is designed to provide assistance to any eligible undergraduate student pursuing post- high school education. The value of the award currently varies from \$0 to \$6,345, depending on the financial need of the student. Grant amounts may vary from year to year depending upon federal regulations. This program is the foundation for most financial awards.

### **Federal Supplemental Educational Opportunity Grant (FSEOG)**

This federal student grant program is intended to assist undergraduate students who have been determined to have financial needs. It is only available to those students who qualify for the federal Pell Grant.

### **Federal Work Study**

The Federal Work Study provides part time jobs to undergraduate students with financial need, allowing student to earn money to help pay their education expenses. The program encourages community service work and work related to student's course of study. For more information on Work Study, go to <https://studentaid.ed.gov/types/work-study>

### **Subsidized Federal Stafford Loan as of July 1, 2020**

This program is a low fixed interest rate (2.75%), long-term loan program for undergraduate students who have demonstrated financial need. The maximum a student may currently borrow is \$3,500 for the first academic year of study, \$4,500 for the second academic year, and \$5,500 for subsequent years. Repayment is required to begin six (6) months after the students completes or terminates their education or become less than a half-time student. The program is not available for graduate and professional students.

### **Unsubsidized Federal Stafford Loan as of July 1, 2020**

This is a federal loan program designed to allow students who do not qualify for federal interest subsidies under the Federal Stafford Loan Program to obtain an unsubsidized loan. The maximum amount an independent student may currently borrow for the first and second academic years is \$6,000 in unsubsidized loans. In addition, students may borrow \$7,000 in

unsubsidized loans for subsequent years. Eligibility in graduate programs begins at \$ 20,500 per academic year. If a student does not qualify for a Federal Stafford Loan or some portion of that loan, he/she may borrow the remaining amount under this program. The fixed interest on this loan is also capped at 2.75% and payment may be deferred until six months after the student no longer attends the university or becomes less than a half- time student. However, interest will accrue during the deferment period.

#### **Federal PLUS Loans as of July 1, 2020**

This is a competitive interest rate loan that provides additional funds to help parents pay for the educational expenses of a dependent student. The interest rate for this non-need-based loan is market driven with a cap of 5.30%. Repayment begins approximately 60 days after the first disbursement of the loan. This loan is subject to the policies of the individual lender. In most cases, the maximum loan amount is based on the student's estimated cost of attendance minus any estimated financial assistance the student has been or will be awarded during the academic year.

#### **Federal Direct PLUS Loans for Graduate Students (GRAD PLUS) as of July 2020**

Federal Graduate PLUS Loans for students pursuing a graduate or professional degree provide additional funds for credit- worthy graduate students to help pay for students' educational expenses. If a student has no credit or a poor credit history, he/she may still qualify for a loan buy applying with a credit- worthy endorser. Interest rates are fixed and established annually by the U.S. Department of Education. Current interest rates are 5.30%. Repayment begins immediately after the loan is fully disbursed.

#### **Private Loans**

These loans have a competitive interest rate and are provided by a private funding source. The eligibility for these loans is determined by the borrowers (and co-borrower's) credit history. The lender determines the repayment terms and conditions of these loans. AUHS does not provide a preferred lender list.

### **APPLICATION PROCEDURE FOR FINANCIAL AID**

Application for financial aid at AUHS involves the following procedure:

1. Must complete the admission process and be accepted into the program.
2. The necessary financial aid paperwork may be completed with the assistance of a qualified Student Financial Aid Administrator.
3. The Financial Aid Administrator utilizes a needs analysis system to determine eligibility for financial aid programs.

4. The Institutional Application for Financial Aid, the Free Application for Federal Student Aid (FAFSA) and other documents are reviewed by the Financial Aid Administrator at the time of the student's interview, and at the time the student's eligibility is determined. A school official will review available funds and discuss tuition payment plans.

### **STUDENT ELIGIBILITY**

Participants in federal and state aid programs must:

1. Be a U.S. citizen or eligible non-citizen.
2. Be enrolled as a regular student in a degree, or certificate program.
3. Maintain satisfactory academic progress.

Non-citizens are required to verify eligibility with the Student Financial Aid Office. Students who are required to register with Selective Service must be registered in order to receive financial aid. Additional documentation maybe required.

### **DETERMINING STUDENT NEED**

Financial need equals the difference between the stated costs of attending the University minus the resources available to the student. Stated costs may include tuition, charges, books, supplies, room, board, personal expenses, transportation, and the related expenses of a student's dependents. Resources include parental contributions (if dependent), applicant's earnings, spouse's earning, welfare, savings, assets, and other taxable or nontaxable income. In addition, applicants may be expected to provide a reasonable monthly payment from savings or earnings toward meeting the cost of their education.

Through the use of the Estimated Family Contribution calculated by the federal government, a determination is made of the amount of funds the financial aid applicant and/or his/her parents can contribute toward meeting educational costs. Students with a demonstrated need, as calculated by the Financial Aid Administrator, will receive consideration for assistance.

### **DURATION OF AWARDS**

All financial aid awards are made for three quarters (or less). These awards are usually posted to the student's account on a quarter-by-quarter basis. To continue receiving an award, a student must:

1. Be in good standing with the university
2. Continue to demonstrate financial need
3. Maintain satisfactory academic progress
4. Complete all required financial aid applications each academic year

Continuing awards are contingent upon adequate funding of federal and state financial aid programs.

## SCHOLARSHIPS

Scholarship may be available for eligible undergraduate/graduate new students who meet the criteria provided by the financial aid department. To be eligible for the “*Family Affair*” program, the following terms must be met.

1. Must be admitted to the 3.5-year bachelor of science in nursing or 3 year bachelor of science in pharmaceutical sciences, and doctor of pharmacy.
2. Complete a “*Family Affair*” application form including required documentation(s).

*Note: For eligible students, if the savings from the total approved transfer of credit calculates to be higher than the savings from the “Family Affair” program, then the higher calculation will be applied towards the total tuition cost.*

*Eligible students cannot use both the “Family Affair” program and the savings applied from the approved transfer of credit toward the total tuition cost.*

## VETERAN’S BENEFITS

Students that are eligible for Veteran Benefits can apply for the same Financial Aid program. In addition, Students can receive up to 12 credits through previous training in the military. There are no associate fees.

In keeping with the policies of the Veterans Administration, we do accept up to 12-quarter credit units/hours of prior experiential learning for veterans. Award of prior credit is done on a case-by-case basis and is dependent on credit awarded by the Military for its schooling such as basic training, Officer’s Candidacy schooling, Command and General Staff etc., or appropriate, creditable prior military experience (e.g., service in a foreign war, service during wartime, continuous and prolonged service to the military, etc.). The veteran must request and provide the following:

- All transcripts
- Acknowledgement and receipt of military schooling
- A statement which explains prior experiential learning
- Certificate of Eligibility

Only Veterans entitled to the maximum benefit rate, as determined by service requirements, or their designated transferees may receive this funding. Active-duty Service members and their spouses are not eligible for this program. Child transferees of active-duty Service members may be eligible if the Service member is qualified at the 100 percent rate.

AUHS maintains written records of previous education and training of veterans and eligible persons clearly indicating that credit has been granted if appropriate. Training period will be shortened based on credit granted. Students are notified accordingly. A certificate of eligibility from the VA is also maintained on student’s file.

The University participates in the Post-9/11 GI Bill® Yellow Ribbon Program.

### To receive benefits under the Yellow Ribbon Program:

- You must be eligible for the maximum benefit rate under the Post-9/11 GI Bill®
- You must not be on active duty or a spouse using transferred entitlement
- Your school must agree to participate in the Yellow Ribbon Program
- Your school must have not offered Yellow Ribbon to more than the maximum number of individuals, as stated in their participation agreement
- Your school must certify your enrollment to VA and provide Yellow Ribbon Program information

### You may be eligible if you fit the following circumstances:

- You served an aggregate period of 36 months in active duty after Sept. 10, 2001
- You were honorably discharged from active duty for a service-connected disability, and you served 30 continuous days after Sept. 10, 2001.
- You are a dependent eligible for Transfer of Entitlement under the Post-9/11 GI Bill® based on the service eligibility criteria listed above.

The above items and experiences are examined, analyzed, and if appropriate may be applied to the area of study as part of the AUHS degree in the chosen area.

## TEXTBOOKS

Students may purchase textbooks from any source.

## GRADE LEVEL DEFINITION

A student’s eligibility to continue receiving financial aid is defined by grade level restrictions. A student in an eligible program may receive federal student loans for subsequent years. The criteria for eligibility are as follows:

#### 1st Level

Students enrolled in an eligible program are considered 1st Level until they have successfully completed 36 quarter credit units and 30 weeks of courses. Students may progress to a higher level of eligibility after completing these credits.

#### 2nd Level

Students enrolled in an eligible program should progress to the second-year funding, provided that 36 quarter credit units and 30 weeks have been successfully completed. Approved transfer credits may justify progression to the next year.

#### 3rd Level

Students enrolled in an eligible program may progress to the third level after successfully completing 72 quarter credit units and 60 weeks.

#### Graduate Level

Students enrolled in an eligible program may progress to this level.

### ACADEMIC YEAR

An academic year is defined as a minimum of 30 weeks of classes (or three quarters of 10 weeks each and 36 quarter credit units).

### FINANCIAL AID IMPLICATIONS

#### Satisfactory Academic Progress

Satisfactory academic progress is necessary to maintain eligibility for Title IV and state-funded assistance programs. See the ACADEMICS section for applicable satisfactory progress criteria.

#### Financial Aid Probation

If a student falls below the satisfactory academic progress criteria listed in this catalog, consultation with a university official may be scheduled. At that time, the student may be placed on a two-quarter warning/probation period during which Title IV and state funds may be disbursed. At the end of the probationary period, if the student has not satisfied the specified requirements, financial assistance may be withheld.

#### Incompletes, Withdrawals, Repetitions

Students with course incompletes, withdrawals, repetitions, and those doing remedial work are eligible to continue receiving financial aid if the following conditions are met:

1. The student is otherwise making satisfactory progress.

2. The time needed to make up the incomplete course work is within the program maximum time frame.

#### Maximum Time Frame

To remain eligible for federal and state funds, students must complete their programs within the maximum time frame, defined as one and one-half times the standard duration of the program, in credit hours.

#### Reinstatement of Financial Aid Eligibility

Students who have lost eligibility for financial aid may be reinstated by improving their academic standing to meet the minimum standards of the satisfactory academic progress policy. In cases of extenuating circumstances, special arrangements may be made on an individual basis. See the Student Financial Aid Office for more details.

#### Notice to Applicants of Financial Aid

An offer of financial aid is contingent upon receipt of funds from all funding sources. The Student Financial Aid Office reserves the right to revise offers of financial aid at any time during the academic year based on availability of funds and/or procedures mandated by the state or federal authorities. Pursuant to the Privacy Act of 1974, applicants for student financial aid are hereby notified that the disclosure of their Social Security number is required by AUHS to verify the identity of each applicant. If the student receives a student loan, the student is responsible for repaying the loan amount plus any interest, less the amount of any refund.

#### Educational Purpose

Any funds received under the Federal Pell, the Federal Supplemental Educational Opportunity Grant, state grants, the Federal College Work-Study Program, or the Stafford (Guaranteed/Federally Insured) Loan Programs are to be used solely for expenses related to attendance or continued attendance at the university. The student is responsible for repayment of a prorated amount of any portion of payments made which cannot reasonably be attributed to meeting educational expenses related to the attendance at the university. The amount of such repayment is to be determined on the basis of criteria set forth by the U.S. Department of Education and the appropriate state agency. Payment periods are usually the entire quarter or if a student began at the mid-quarter timeframe only the mid-quarter timeframe would be counted in the payment period.

#### Participation in Financial Aid Programs

AUHS only participates in federal financial aid programs, such as PELL grant and SEOG.



## TUITION AND FEES SCHEDULE

Tuition and Fees Listed below are for the academic year:

| PROGRAM  | TOTAL UNITS | TUITION PER UNIT | TOTAL TUITION COST | SCHOOL FEES | Total Quarters   | Charges Per Quarter | REG FEES  | BOOKS     |
|--|-------------|------------------|--------------------|-------------|--|---------------------|-----------|-----------|
| <b>DOCTORATE DEGREES</b>                           |             |                  |                    |             |  |                     |           |           |
| DOCTOR OF PHARMACY                                 | 183         |                  | \$180,000          | \$1,875     | 12   | \$15,000            | \$75      | \$500/qtr |
| <b>MASTER'S DEGREES</b>                            |             |                  |                    |             |  |                     |           |           |
| <b>MASTER OF SCIENCE IN NURSING</b>                |             |                  |                    |             |  |                     |           |           |
| Family Nurse Practitioner                          | 85          | \$625            | \$53,125           | \$6,242     | 6  | \$8,854.17          | \$75      | \$500/qtr |
| Nursing Education                                  | 65          | \$625            | \$40,625           | \$6,242     | 5  | \$8,125             | \$75      | \$500/qtr |
| Nursing Administration, Leadership, and Management | 65          | \$625            | \$40,625           | \$6,242     | 5  | \$8,125             | \$75      | \$500/qtr |
| MS IN CLINICAL RESEARCH                            | 84.5        | \$595            | \$50,278           | \$1,480     | 6  | \$8,455             | \$75      | \$500/qtr |
| PROGRAM  | TOTAL UNITS | TUITION PER UNIT | TOTAL TUITION COST | SCHOOL FEES | Charges by Period of Attendance (Quarter base on 12 units) | REG FEES            | BOOKS     |           |
| <b>BACHELOR'S DEGREES</b>                          |             |                  |                    |             |  |                     |           |           |
| BS IN NURSING                                      | 151         | \$595            | \$89,845           | \$5,389     | \$7,140  | \$75                | \$500/qtr |           |
| BS IN NURSING (With Pre-Requisites)                | 189         | \$595            | \$112,455          | \$5,869     | \$7,140  | \$75                | \$500/qtr |           |
| BS IN PHARMACEUTICAL SCIENCES                      | 189         | \$595            | \$112,455          | \$3,530     | \$7,140  | \$75                | \$500/qtr |           |
| <b>NON-DEGREE/CERTIFICATE PROGRAMS</b>             |             |                  |                    |             |  |                     |           |           |
| Post-Graduate APRN Certificate                     | 41          | \$625            | \$25,625           | \$5,592     | \$8,542  | \$75                | \$500/qtr |           |
| PHARMACY TECHNICIAN*                               | 48          | \$595            | \$28,500           | \$1,480     | \$7,140  | \$75                | \$500/prg |           |

**Notes:**

- Tuition does not include books, selected supplies or uniforms.
- \$75.00 Registration Fee is a Non-refundable fee.
- Total Program Cost is the responsibility of the student.
- Cost of program is subject to change without notice. Call admissions office for current cost.

- \$1,820 University- BSPS(Laboratory Fee, Parking Pass, Library Fee, Initial copies 1,000 max.)
- \$650 Graduation Fee for the Masters
- \$450 Bachelors Programs
- \$2,250 Assessment Technologies, Inc. (ATI) Comprehensive Assessment and Review program (CARP) (Price subject to change) (BSN)
- \$750 National Board Certification Review

**University Fees Breakdown: BSN/BSPS/MSN**

- \$30 Student ID
- \$1909 University-BSN (Laboratory Fee, Parking Pass, Library Fee, Initial copies 1,000 max., NCLEX Review Fee)
- \$1,270 University Fee-MSN (Laboratory Fee, Parking Pass, Library fee, Student ID, Initial copies 1,000 max.)
- \$1680 Technology Fee (LMS, Watermark, IT Resources maximum amount-\$120 per qtr.) for BSN, BSPS
- \$1,786 Technology Fee (Complio, LMS, Watermark, IT Resources, Core Elms-per year for MSN)

**Program Fees Breakdown\*\*:** BSN/BSPS/MSN

- \$55 TEAS Fee per take (Nursing only)
- \$49 University Uniform Set (Set of 2) for BSN/BSPS
- \$70 University Uniform Set (Set of 2) for MSN/PharmD
- \$110 Phlebotomy Certification (Payable to Medical Advancement Center) (MSCR only)
- \$150 ACRP Student National & chapter Membership (Payable to ACRP) (MSCR only).
- \$180 Nursing Equipment (RN Tote Bag - payable to Pocket Nurse)

7. \$106 Background check (BSN/MSN-Subject to change)
8. \$48 Complio (BSN, MSN)
9. \$23 Malpractice Insurance – BSN Annually
10. \$100 Malpractice Insurance – MSN
11. \$200 Immunization Certification-MSN
12. \$15 AUHS Student Nurses Association
13. \$35 National Student Nurses Association (Optional)
14. \$500 Books(approximately -per quarter)

Professional Fees for the Bachelor of Science in Nursing Only\*\*:

1. \$ 78.00 Live Scan (Fingerprints at specified police stations)
2. \$300.00 BRN Application Fee\*
3. \$200.00 Pearson vue\*
4. \$100.00 Interim Permit (Optional)

Professional Fees for the Bachelor of Science in Pharmaceutical Sciences Only\*\*:

1. \$ 78.00 Live Scan (Fingerprints at specified police stations)
2. \$ 80.00\* State License (payable to California State board of Pharmacy)
3. \$129.00\* National Exam (payable to Professional Examination Service)

Doctor of Pharmacy School Fees Break-Down:

1. \$740 Technology Fee per academic year (\$60 Exam Soft, \$240 Core Elms, \$500 IT & Watermark)
2. \$2,379 University Fee (Library Fee, Parking Permit, Lab Fee, Malpractice Insurance, Student ID, PCOA, Initial Printing 1,000 max)
3. \$650 Graduation Fee

Doctor of Pharmacy Program Fees\*\*:

1. \$70 Uniforms (2 sets)
2. \$500 Books (approximately- per quarter)
3. \$200 Immunization Certification
4. \$106 Background Check
5. \$40 Complio
6. \$1,200 Intercession Remediation Fee

Professional Fees for the Doctor of Pharmacy Program\*\*:

1. \$600 NAPLEX Review Fee\* (Payable to: National Association of Boards of Pharmacy)-*Subject to change*
2. \$33 CPJE Examination Fee\* (Payable to: California State Board of Pharmacy)
3. \$75 Live Scan\*
4. APhA and ASHP Student Associations (optional)

Other Fees:

1. \$75 Late fee on tuition payments (Charged per month of late payments)
2. \$25 Penalty fee on returned checks
3. \$10 Official Transcripts (Regular Processing)
4. \$15 Official Transcript (Rush Processing)
5. \$25 Lost ID
6. \$55 Lost Parking Permit Fee
7. .10 cents per copy

*\* After completion of program*

**\*\*Please note that all prices/cost are estimates only and are subject to change. Book charges are approximate, students are required to purchase their own books.**

### TUITION PAYMENT

Payment may be made with credit card, cash, personal check, cashier's check, or money order made payable to the American University of Health Sciences. Tuition is due on no later than 5 business days from the quarter start date. Tuition payments should be made in person during regular office hours or mailed prior to the due date. Cashier's Check and Money order is the required payment mode for amounts over \$1000. Checks that are returned for non-sufficient funds will be assessed a \$75.00 late payment. If tuition payments by check or by credit card are returned more than once for non- sufficient funds during the term of the enrollment agreement, all future payments must be paid in cash, money order or by cashier's check.

### PAST DUE ACCOUNT

Students who fail to make prompt payments, issue personal checks which are returned by banks or fail to make a good- faith effort to catch up their account in a timely manner may be subject to program interruption or dismissal. Students who have been dismissed for non-payment of tuition will not be re- admitted until all delinquent tuition payments have been paid in full. American University of Health Sciences reserves the industries primary venue for professionals representing certifications until account has been fully paid for.

### REFUND POLICIES

#### Return of Title IV Funds

The Title IV are earned in proportion to the percentage of the payment period that is completed, with 100% of funds awarded after 60% of the payment period is completed. For instance, if the payment period lasts 100 days, 100% of the Title IV are earned after 60 days is completed. If a student withdraws after 60% of the payment period is completed, Title IV funds are not required to be returned.

When a student withdraws prior to completion of 60% of the payment period, the University must determine if the title IV funds the student has received exceed the

amount earned. This calculation is based on the number of days completed in the payment period as of student withdrawal date. If the amount received by the student exceeds the amount earned, the University must return the excess funds of the Title IV programs in the sequence mandated by the U.S. Department of Education.

The normal refund calculations will be applied after the Title IV return calculation has been made. If you have any questions about this policy, please visit the Financial Aid or the Business Office for complete examples.

## **CANCELLATION AND WITHDRAWAL REFUND POLICY**

### **Cancellation Refund Policy**

(Before Starting in the University)

1. Notice of Cancellation shall be in writing and submitted directly to the Financial Aid office and the Director of Student Services; and that the withdrawal may be effectuated by the student written notice or by the student's conduct including but not necessarily limited to a student's lack of attendance. Student may cancel enrollment agreement through attendance at the first-class session.
2. Applicants wishing to withdraw from a program more than seven days after signing an enrollment agreement and making an initial payment, but before the start of training, will receive a full refund of all tuition paid in excess of the application and registration fees.
3. An applicant receives a refund of the application and registration fees paid if the University discontinues a course or program during a period of time within which the student could have reasonably completed it.
4. All cancellation refunds will be paid within 30 days from the date the applicant's cancellation has been determined.
5. American University of Health Sciences requires an application fee of \$25.00 for certificate program and \$80.00 for degree programs and a registration fee of \$75.00 at the time of enrollment. The application fee and registration fee are non-refundable.

### **Withdrawal Refund Policy**

(After Starting in the University)

1. As a result of the amendments to the 1998 Higher Education Act, there was a change in the way Title IV financial aid funds are returned to the financial aid programs. This change is explained in the Financial Aid section of this catalog. Please refer to this section for complete details. Once the Title IV

return calculation is completed, and after excess funds (if any) have been returned to the Title IV programs, the state refund calculation will be applied.

2. AUHS is required to have a fair and equitable refund policy under which the University refunds unearned tuition, fees, room and board, and other charges to a student. This fair and equitable refund policy provides for a refund following the requirements of applicable state law.
3. A student may return his/her books and/or tools (not opened software or software subscriptions) to the school for an additional credit upon withdrawal. Only if his/her books and/or tools are judged to be in excellent condition will the student receive credit (depreciated value) to his/her account. This offer is for ten calendar days from the effective date of withdrawal. All refunds will be paid within 30 days from the effective date.
4. The effective date of withdrawal is defined as:
  - a. The date the student notifies the Financial Aid or Student Services Office of his/her intent to withdrawal from school. Other staff members are not authorized to accept the student's notice of intent to withdraw and would be referred to the Financial Aid Office; or
  - b. The date the school terminates the student's enrollment due to academic failure or for violation of its rules and policies stated in the catalog; or
  - c. The date that is 14 consecutive calendar days from the student's last date of attendance, (assuming the student is not on an approved excused leave or approved leave of absence); or
  - d. For students on an approved excused leave or an approved leave of absence, the effective date is the earlier of these two dates: the expected return date or the date the student notifies the University of his/her non-return.

## **STATE REFUND POLICIES**

### **California State Refund Policy**

Refunds must be calculated from the last date of recorded attendance. The refund policy is for students who have completed 60 percent or less of the quarter. A student who has completed greater than 60 percent of the quarter will not be entitled to a refund. The following calculations reflect this policy:

1. Divide the total tuition charge (exclusive of the registration fee) by the number of hours in the program.
2. The quotient is the hourly charge for the program.
3. The amount owed by the student for the purposes of calculating a refund is derived by multiplying the total hours scheduled to be attended through the last date of attendance by the hourly charge for instruction, plus the amount of the registration fee and other materials obtained by the student (i.e., books and equipment).
4. The refund shall be any amount paid in excess of the figure derived in "3" that was paid by the student.

For Example:

Total Class days per qtr. 06/27-09/19/16=53days  
 Class days Student attended 06/27-07/08/16=9 days  
 9 days divided by 53 days = 16.98% completed

|   |                   |
|---|-------------------|
| Quarter Tuition   | \$8,848.00        |
| University Fee and Registration Fee                       | \$1,984.00        |
| ATI   | \$1,125.00        |
| Tech Fee  | \$120.00          |
| Quarter Tuition(\$8,848 times 16.98% completed)           | = \$1,502.39      |
| Plus: University Fee, Registration Fee, ATI, and Tech Fee | = \$3,229.00      |
| <b>TOTAL CHARGES TO STUDENT</b>                           | <b>\$4,731.39</b> |

If a student received equipment and/or books and they are in excellent condition, the student will be able to return them for a refund within 10 calendar days from the effective date of withdrawal. If the student fails to return equipment and/or books in excellent condition within 10 calendar days, AUHS may retain the documented cost of the equipment and/or books and offset them against the refund calculated above.

### Student Tuition Recovery Fund

Effective January 1, 2013, Chapter 621, Statutes 2001, California Assembly Bill 201 (AB 201), which was signed into law on October 9, 2001, requires institutions to collect from each nonexempt\* California student a Student Tuition Recovery Fund (STRF) fee of \$0.00 per \$1000 of total tuition, fees, and book charges. Each California student is responsible for paying the state assessment amount for the STRF fee. If the student is not a resident of California, the student is not eligible for protection under the recovery from the Student Tuition Recovery Fund and is therefore not charged the fee.

The State of California established the Student Tuition Recovery Fund (STRF) to relieve or mitigate economic

loss suffered by a student in an educational program at a qualifying institution, who is or was a California resident while enrolled, or was enrolled in a residency program, if the student enrolled in the institution, prepaid tuition, and suffered an economic loss. Unless relieved of the obligation to do so, you must pay the state-imposed assessment for the STRF, or it must be paid on your behalf, if you are a student in an educational program, who is a California resident, or are enrolled in a residency program, and prepay all or part of your tuition.

You are not eligible for protection from the STRF and you are not required to pay the STRF assessment, if you are not a California resident, or are not enrolled in a residency program. **76120. Amount of STRF Assessment.** (a) Each qualifying institution shall collect an assessment of fifty cents (\$0.50) per one thousand dollars (\$1,000) of institutional charges, rounded to the nearest thousand dollars, from each student in an educational program who is a California resident or is enrolled in a residency program. For institutional charges of one thousand dollars (\$1,000) or less, the assessment is zero dollars (\$0). It is important that you keep copies of your enrollment agreement, financial aid documents, receipts, or any other information that documents the amount paid to the school. Questions regarding the STRF may be directed to the Bureau for Private Postsecondary Education, 1747 N. Market Blvd. Suite 225, Sacramento, CA 95834, (916) 431-6959 or (888) 370-7589.

To be eligible for STRF, you must be a California resident or are enrolled in a residency program, prepaid tuition, paid or deemed to have paid the STRF assessment, and suffered an economic loss as a result of any of the following:

1. The institution, a location of the institution, or an educational program offered by the institution was closed or discontinued, and you did not choose to participate in a teach-out plan approved by the Bureau or did not complete a chosen teach-out plan approved by the Bureau.
2. You were enrolled at an institution or a location of the institution within the 120-day period before the closure of the institution or location of the institution or were enrolled in an educational program within the 120-day period before the program was discontinued.
3. You were enrolled at an institution or a location of the institution more than 120 days before the closure of the institution or location of the institution, in an educational program offered by the institution as to which the Bureau determined there was a significant decline in the quality or value of the program more than 120 days before closure.
4. The institution has been ordered to pay a refund by the Bureau but has failed to do so.
5. The institution has failed to pay or reimburse loan proceeds under a federal student loan program as

required by law or has failed to pay or reimburse proceeds received by the institution in excess of tuition and other costs.

6. You have been awarded restitution, a refund, or other monetary award by an arbitrator or court, based on a violation of this chapter by an institution or representative of an institution, but have been unable to collect the award from the institution.
7. You sought legal counsel that resulted in the cancellation of one or more of your student loans and have an invoice for services rendered and evidence of the cancellation of the student loan or loans.

To qualify for STRF reimbursement, the application must be received within four (4) years from the date of the action or event that made the student eligible for recovery from STRF.

A student whose loan is revived by a loan holder or debt collector after a period of non-collection may, at any time, file a written application for recovery from STRF for the debt that would have otherwise been eligible for recovery. If it has been more than four (4) years since the action or event that made the student eligible, the student must have filed a written application for recovery within the original four (4) year period, unless the period has been extended by another act of law.

However, no claim can be paid to any student without a social security number or a taxpayer identification number.

## **REFUND AND DISTRIBUTION POLICY**

American University of Health Sciences adheres to the refund policy as published in this catalog. This refund policy is in accordance with the guidelines prescribed by the state of California as noted in the enrollment agreement or addenda, and by the federal government. If a student withdraws from AUHS and a refund is due, the following return of funds and refund distribution policy will be observed.

### **Amounts of refunds will be allocated in the following manner:**

- Unsubsidized Federal Stafford Loan
- Subsidized Federal Stafford Loan
- Federal Perkins Loan
- Federal PLUS
- Federal Pell Grant
- Federal SEOG
- Other Title IV, HEA assistance, federal, state, private, and institutional student financial assistance received by the student.

If a credit balance still remains all Title IV loans will first be refunded beginning with the current period of enrollment and going backward, then to any other

private loan, federal grants, finally the student. Those refunds will be paid to the program funds in accordance with the order listed above, limited to the amount of funds that came from each aid program within 45 calendar days from the Determination of withdrawal from school date.

If a student obtains a loan to pay for an educational program, the student will have the responsibility to repay the full amount of the loan plus interest, less the amount of any refund, and that, if the student has received federal student financial aid funds, the student is entitled to a refund of the monies not paid from federal student financial aid program funds.

## **TUITION FEES AND REPAYMENT**

### **Repayment**

When a student receives Title IV aid funds for living expenses and then withdraws from university, the Financial Aid Administrator (FAA) must determine if the student owes a repayment on funds received in excess of calculated living expenses for the enrollment period.

*Note: The Financial Aid Administrator keeps track of this repayment amount, because financial aid transcripts must reflect any outstanding repayment due by the student.*

### **Errors, Fraud, and Abuse**

If a staff member becomes aware that a student and/or a student's parents have provided incorrect information on the student's aid application, the staff member will report the situation to the Director of Student Finance.

The Financial Aid Administrator will make an appointment with the student in an effort to correct the information. If the student and/or parents correct the information, the FAA will compute the student's awards based on the corrected information, and if necessary, submit such corrections or information to the appropriate agencies.

## **FULL-TIME ENROLLMENT**

To maintain a continuing student status, students must be continually enrolled. Up to one academic quarter may be omitted if a student files an official Leave of Absence form signed by the Student Affairs/Services Director. Students who do not enroll in a quarter will be charged new student rates upon return if they did not file a Leave of Absence form.

## **NATIONAL STUDENT LOAN DATA SYSTEM**

AUHS reports information regarding students' enrollment statuses and other important financial aid statuses directly to National Student Loan Data System (NSLDS) on a continuing basis.

## ADMISSIONS TO DOCTORAL LEVEL PROGRAMS

*“Trust in the Lord with all your hearts, and do not lean on your own understanding.”*

*~Proverbs 3:5*



AUHS Building 2 and 3

## QUARTER SYSTEM

This University is on a quarter, year-round academic operation system. AUHS' credits are expressed in a quarter unit: one quarter unit represents no less than one hour of class work and two or more hours of outside study per week for a quarter. One and one-half (1½) quarter units are equivalent to one (1) semester units, and one quarter unit is equivalent to 2/3 semester units of credit.

### Definition of Quarter Credit Unit

One quarter credit hour equals 10 hours lecture, 20 hours of laboratory work, or 40 hours of externship/field instruction.

### Course Numbering System

“Upper-division” is a status given to students who have completed all lower-division (100 and 200 series) courses, including any stated pre-requisites for the program, and who are currently enrolled in 300- and 400-series courses. Upper- division courses are advanced, specialized, in-depth, and emphasize problem-solving, analytical thinking, and theoretical applications beyond the introductory level. These courses often build on the foundation provided by the skills and knowledge of lower-division courses. Upper-division courses may require the student to synthesize topics from a variety of sources and also may require greater responsibility or independence on the part of the student. Masters courses begin at 500 and 600 series. Doctoral courses begin at the 700 series and go to 900 series.

## ADMISSIONS PROCEDURES

Prospective students must have applied for admission to their program of study to be officially accepted for a specific starting date. The process includes the following steps:

1. Visit AUHS website at <https://www.auhs.edu/> to learn more about the program requirements and check eligibility.
2. Submit all required application documents and fees to the designated locations by deadlines. Please contact Admissions for details.
3. Complete applications.
4. Complete the interview process.
5. Complete Financial Aid meetings.
6. Respond to the Acceptance Letter.
7. Attend the New Student Orientation.

## ADMISSIONS REQUIREMENTS

In order to be eligible for review, application must have:

- A cumulative GPA of 2.5 is recommended and considered competitive.
- To have completed the pharmacy prerequisites with a grade of “C” (GPA of 2.0) or higher.
- Submission of official transcripts (sealed) from all schools that the applicant has attended.
- Completion of all prerequisite courses at a US nationally or regionally accredited school within the last nine (9) years. (*See additional admission’s requirement for specific program in the catalog*).
- A personal essay which explains the applicant’s professional goals in the target field and why the applicant will be an asset to AUHS and the community.
- A resume that itemizes the applicant’s research or volunteer experience in the related field, and/or any community services that demonstrate leadership and organizational skills; Pharmacy experience is not required but strongly recommended.
- Three sealed recommendations on the AUHS letter of recommendation forms.
- Completion of formal interviews.
- Submission of the official TOEFL (Test of English as a Foreign Language) result to demonstrate English competency (*for international applicants only*). The minimum TOEFL score is 250 on the CBT (Computer Based Test) or 100 on the IBT (Internet Based Test), with 24 on speaking section. For TOEFL information, please visit [www.ets.org/toefl](http://www.ets.org/toefl). **AUHS code is 4262.**
- Meet any additional program specific requirements.

## TRANSFER CREDITS

Decision on transfer applications is made by the Admissions Committee in cooperation with the office of Academic & Student Affairs on a case by case basis. Factors considered include admissions standards and appropriateness of courses completed to the academic level to which transfer is requested. The course credits must be earned within seven years of application to AUHS. Students seeking transfer must submit the following documents to the Associate Dean of Student Affairs and Admission:

- Official transcripts from all undergraduate, graduate, and/or professional schools attended. Foreign transcript evaluation is required (see “International Student”).
- A letter of recommendation from the program director/Dean of the previous institution
- A letter of recommendation from a faculty member of the previous institution.
- A detailed description (no more than two pages) of the specific circumstances why a transfer is being sought.

Transfer applicants are invited to participate in the formal interview process, and their files are forwarded to the Admissions Committee review.

### **CANCELLATION OF ADMISSION**

A student admitted to the university for a given quarter; but who does not register in the specified quarter will have the admission canceled. The student must file a new application form when again seeking admission and must follow the complete application procedure and meet the current admission requirements.

### **TEST**

#### **Language Requirement**

Test of English as a Foreign Language (TOEFL)  
A proficiency in English will be critical to your success. AUHS requires all foreign applicants, regardless of citizenship, who have not attended schools at the secondary level or above for at least three years full-time where English is the principal language of instruction, to submit a TOEFL result. The TOEFL results submitted must not have been earned more than two (2) years prior to the desired enrollment date. As circumstances warrant, minimum TOEFL scores may be changed.

Because the Test of English as a Foreign Language (TOEFL) is offered on a limited number of dates, it is important that prospective international applicants sign up to take the exam as soon as possible. Advising centers in the home country can provide information about dates, locations, and procedures for taking the test. When you take the test, have your scores forwarded by the testing service to AUHS Admissions Department. **AUHS Code is 4262.**

The minimum TOEFL score is 250 on the CBT (Computer Based Test) or 100 on the IBT (Internet Based Test), with 24 on speaking section for doctorate programs.

Foreign/International applicants who have not attained the minimum TOEFL score are required to enroll in an ESL (English as a Second Language) program offered by other schools prior to beginning a program with the

University and submit the required minimum score before registration.

The University does offer an I-20 form for a Student Visa but does not offer ESL classes at this time.

### **INTERNATIONAL STUDENTS**

#### **Official Transcripts and Records**

AUHS requires records from all secondary schools attended, showing subjects taken and grades received as well as any national or government certificates earned. Official documents of all college or university coursework must also be sent in the original language, along with certified English translations. They should be certified copies, initialed by an authorized official of the issuing institution with the school stamp in a sealed envelope from the institution.

Please send all official transcripts from former colleges and universities directly along with other required application documents to the AUHS Admissions Department, 1600 East Hill Street, Signal Hill, CA 90755.

All foreign transcripts must be evaluated, course by course, by agencies such as World Education Services (WES), and sent directly to AUHS Admissions Department before acceptance of transfer credits or proof of graduation from a degree granted program.

For information on other agencies that AUHS accepts evaluated transcripts from, please email the Admissions Department at [admissions@auhs.edu](mailto:admissions@auhs.edu) if questions remain.

#### *Special Notes:*

- All agencies are private organizations. It is the responsibility of the student to pay for the services rendered.
- If the student is requesting evaluation of a Bachelor’s degree or higher, the request for US high school equivalency should also be made.
- It is important for the student to provide complete and accurate information, following the specific directions of the respective agencies and country requirements.

#### **Financial Certifications**

To comply with regulations of the US Immigration and Naturalization Service (INS), the University requires applicants who are not citizens or permanent residents of the United States to submit a complete AUHS International Financial Statement accompanied by notarized Financial Certificates or Bank Statements from the savings accounts, for example, under the name of the applicant or the applicant’s legal guardians, demonstrating sufficient financial resources to study at the University.



The University requires that payment of all fees (application fee, tuition deposit, etc.) be in the form of a money order or a cashier's check drawn on a US bank or an International Postal Order in US dollars.

### **Visa Requirements**

Upon acceptance to the University, the prospective international applicant will receive an I-20 form. The student should use the I-20 form issued by the University to obtain a student (F-1) visa from the U.S. embassy or consulate in the home country to enter the United States to study.

The international applicants will need various documents to support the visa application. They are advised to prepare carefully for the visit to the U.S. embassy or consulate. Visa procedures vary from one embassy/consulate to another, so it is best to check with the office where the applicant plans to apply to determine exactly what supporting documentation is required.

Several standard items are required for the student visa application.

Same as the above-mentioned requirements depending on the program applying for, and including:

1. A passport valid for at least six months
2. Form I-20, included with the acceptance packet
3. School admission letter
4. Completed visa applications (DS-156 DS-160, DS-158 and, if applicable, DS-157. In most countries, applications are now available online).
5. Two 2-inch x 2-inch photographs in the prescribed format (see the Bureau of Consular Affairs' Nonimmigrant Visa Photograph Requirements).
6. A receipt for the visa application fee.
7. A receipt for the Student and Exchange Visitor Information System (SEVIS) fee. If you paid the fee electronically and have not received an official receipt in the mail showing payment, the consulate will accept the temporary receipt printed from your computer. If you do not have a receipt, the consulate may be able to see your payment electronically if your payment was processed at least three business days before your interview.
8. Financial evidence (original documents only) that shows you have sufficient funds to cover your tuition and living expenses during the period you intend to study.
9. Any information that proves that you will return to your home country after finishing your studies in the U.S. This may include proof of

property, family, or other ties to your community.

Students transferring from a U.S. institution will use I-20 form to apply for transfer authorization through the Department of Homeland Security.

### **Health Insurance Requirement**

Effective September 1, 2013, as a condition of receiving an I-20 form, all F-1 visa applicants must agree to obtain and maintain health insurance as a condition of registration and continued enrollment in AUHS. Such insurance must be in amounts as specified by the department of State and NAFSA: Association of International Educators. Further information may be obtained from Student Services and Affairs Office at AUHS.

## DOCTOR OF PHARMACY (PharmD)

### LEADERSHIP

Arjun Dutta, PhD, BPharm  
*Dean, School of Pharmacy*

Mohammed Islam, PhD, MPhil, MPharm, BPharm  
*Senior Associate Dean of Academic Affairs*

Toby Spiegel, PsyD, MA, BA  
*Associate Dean of Student Affairs and Admissions*

John V. Schloss, PhD, BS  
*Chair of Pharmaceutical Science and  
Associate Dean of Research*

Mok T. Chong, PharmD, PhD, MBA, BSc  
*Chair of Clinical and Administrative Sciences*

Kawanda Williams, PharmD  
*Director of Advanced Pharmacy Practice Experiences*

Elaine Nguyen, PharmD  
*Director of Introductory Pharmacy Practice Experiences*

Suhui Yang, PhD, MS, BS  
*Assessment Coordinator*

Neelima Chauhan, M.Sc., Ph.D.  
*Grant Program Coordinator*

### SCHOOL OF PHARMACY FACULTY

Alamdar Hussain, PhD

Albert Ngo, PhD, BChE

Arjun Dutta, PhD, BPharm

Balwantsinh Chauhan, PhD, MD, MSc, BSc

Christine Han, PharmD, BS

Elaine Nguyen, PharmD

Helen M. Rhee, PharmD

Jasen Chau, PharmD

John V. Schloss, PhD, BS

Jonathan Sheng, PhD (*Part-Time Faculty*)

Joseph Kunchandy, PhD, MPharm, BPharm

Kawanda Williams, PharmD

Lee Meyer, PharmD

Mohammed Islam, PhD, MPhil, MPharm, BPharm

Mok T. Chong, PharmD, PhD, MBA, BSc

Neelima Chauhan, PhD, M.Sc.

Radhika V. Kumar, PhD, MS, BPharm

Sandor Szabo, PhD, MD, MPH, MSc, BSc

Sara Kim, PharmD

Shankar Gollapudi, PharmD

Suhui Yang, PhD, MS, BS

Sukhwinder Lakhman, PhD, MPhil, MSc, Bed, BSc

Tauhid A. Bhuiyan, PharmD

Toby Spiegel, PsyD, MA, BA

Youngil Chang, PharmD

## VISION

In alignment with the AUHS vision, the School of Pharmacy vision is to send out pharmacy graduates who can help reduce health care disparities and render health care to the underprivileged and underserved.

## MISSION

In alignment with the AUHS mission, the School of Pharmacy mission is to instill in our graduates' strong Christian values, to prepare them to practice evidence-based patient care, to educate them in pharmacy research and scholarship, and to enable them to meet the health care needs of diverse patient populations.

## DOCTOR OF PHARMACY

The Doctor of Pharmacy (PharmD) degree program is a 3-year course of study that will provide an educational foundation for a career in pharmacy and create a setting in which evidence-based practices and research, minority inclusion as well as outreach to the community, cultural diversity, public health and wellness, development of future scientists and faculty, and a belief in God can be pursued and developed.

### Objectives

Based upon the AUHS vision and mission of the School of Pharmacy, the objectives of the School of Pharmacy are to:

- Foster an environment that values diversity, creative thought, and academic freedom while embracing a sense of responsibility and divine purpose in respect to spirituality and commitment to God and Christian values.
- Provide service to the global community by engaging in public health initiatives and develop student's understanding of the importance and impact of volunteerism, respect for diversity, good citizenship and giving back to the community, and the profession.
- Provide a high-quality educational environment to afford students with the knowledge, skills, and abilities necessary to promote positive change in pharmaceutical health care delivery, to practice evidence-based pharmaceutical care and to interact, understand, and navigate in the economic, political, and social issues, which impact health care policy and the scope of pharmaceutical practice.
- Prepare competent graduates in the provision of pharmaceutical care and apply the pharmaceutical, social, administrative, and clinical sciences in order to deliver high-quality pharmaceutical care in a manner that promotes positive health outcomes in an interdisciplinary role.
- Support and contribute to the advancement of clinical, medical, and pharmaceutical education and practice to improve health care through service, research, and scholarship.
- Foster a willingness to mentor minority populations in the provision of pharmaceutical education, pharmaceutical practice, and research as a sustainable solution to social, economic, and healthcare disparities.
- Foster an environment that maintains a commitment to continuous quality improvement by routinely and systematically

assessing, evaluating, planning, implementing positive changes and evaluating the program and curriculum, professional standards, and needs of the student, faculty, and profession.

- Foster intellectual curiosity and a commitment to lifelong learning.

We achieve these objectives above within a culture of understanding, inclusion, equity, and respect for all.

### Program Learning Outcomes (PLOs)

Education outcomes based on Center for the Advancement of Pharmacy Education (CAPE) Educational Outcomes 2013.

#### 1. Foundational Knowledge

1.1 *Learner (Learner)* - Develop, integrate, and apply knowledge from the foundational sciences (i.e., pharmaceutical, social/behavioral/administrative, and clinical sciences) to evaluate the scientific literature, explain drug action, solve therapeutic problems, and advance population health and patient centered care.

#### 2. Essentials for Practice and Care

2.1 *Patient-centered care (Caregiver)* - Provide patient-centered care as the medication expert (collect and interpret evidence, prioritize, formulate assessments and recommendations, implement, monitor, and adjust plans, and document activities).

2.2 *Medication use systems management (Manager)* - Manage patient healthcare needs using human, financial, technological, and physical resources to optimize the safety and efficacy of medication use systems.

2.3 *Health and wellness (Promoter)* - Design prevention, intervention, and educational strategies for individuals and communities to manage chronic disease and improve health and wellness.

2.4 *Population-based care (Provider)* - Describe how population-based care influences patient centered care and influences the development of practice guidelines and evidence-based best practices.

#### 3. Approach to Practice and Care

3.1 *Problem Solving (Problem Solver)* – Identify problems; explore and prioritize potential strategies; and design, implement, and evaluate a viable solution.

3.2 *Educator (Educator)* – Educate all audiences by determining the most effective and enduring ways to impart information and assess understanding.

- 3.3 *Patient Advocacy (Advocate)* - Assure that patients' best interests are represented.
- 3.4 *Interprofessional collaboration (Collaborator)* – Actively participate and engage as a healthcare team member by demonstrating mutual respect, understanding, and values to meet patient care needs.
- 3.5 *Cultural sensitivity (Includer)*- Recognize social determinants of health to diminish disparities and inequities in access to quality care.
- 3.6 *Communication (Communicator)*– Effectively communicate verbally and nonverbally when interacting with an individual, group, or organization.

#### 4. Personal and Professional Development

- 4.1 *Self-awareness (Self-aware)*- Examine and reflect on personal knowledge, skills, abilities, beliefs, biases, motivation, and emotions that could enhance or limit personal and professional growth.
- 4.2 *Leadership (Leader)* - Demonstrate responsibility for creating and achieving shared goals, regardless of position.
- 4.3 *Innovation and Entrepreneurship (Innovator)* - Engage in innovative activities by using creative thinking to envision better ways of accomplishing professional goals.
- 4.4 *Professionalism (Professional)* - Exhibit behaviors and values that are consistent with the trust given to the profession by patients, other healthcare providers, and society.

#### 5. Christian Values

- 5.1 *Christian Values (Humanitarian)* – Affect positive patient outcomes by sharing the Christian values of love, caring, justice and respect, as an advocate for patient needs and rights.

#### **Admissions**

- Education Requirement  
AUHS School of Pharmacy requires successful completion of pre-requisites coursework. A Bachelor Degree is recommended.
- Grade Point Average (GPA) Requirement A cumulative GPA of 2.5 is recommended and considered competitive. Applicants are required to have completed the following prerequisites with a grade of “C” (GPA of 2.0) or higher.

#### **Prerequisite Education Requirement**

Prerequisite Courses to be completed prior to matriculation into PharmD Program:

| PREREQUISITE                                   | Quarter Hours | Semester Hours |
|--|---------------|----------------|
| General Inorganic Chemistry with Laboratory    | 12            | 8              |
| Organic Chemistry with Laboratory              | 12            | 8              |
| General Biology with Laboratory                | 12            | 8              |
| Microbiology with Laboratory                   | 4             | 3              |
| Human Anatomy* with Laboratory                 | 4             | 3              |
| Human Physiology* with Laboratory              | 4             | 3              |
| Calculus                                       | 4             | 3              |
| Principles of Economics (Macro and Micro)      | 4             | 3              |
| Statistics                                     | 4             | 3              |
| Psychology/Sociology                           | 4             | 3              |
| Public Speaking                                | 4             | 3              |
| English Composition                            | 4             | 3              |
| Other Humanities and Social/behavioral Science | 8             | 6              |
| <b>TOTAL</b>                                   | <b>80</b>     | <b>57</b>      |

*\*If combined Anatomy & Physiology course, must be a minimum of 5 semester units.*

- Test of English as a Foreign Language (TOEFL) – International applicants whose native language is not English will be required to have a Test of English as a Foreign Language (TOEFL) composite Score of 100 (iBT) or 250 (CBT) unless they earned a baccalaureate degree from an appropriately accredited college/university in the United States or other countries in which the native language is English.
- Background/Drug Testing  
AUHS School of Pharmacy requires a background check and drug testing for admission. Criminal background checks and/or drug testing are also required for placement at clinical facilities/pharmacy practice sites. In addition, the California Board of Pharmacy requires all admitted students to be fingerprinted for criminal background checks and for California licensure. Students must hold a valid license from the Board of Pharmacy to participate in the clinical portions of the PharmD program. Please refer to page 37 of this catalog for additional information on “Background Check Policies).
- Pharmacy College Admission Test (PCAT) – not required but recommended.
- Pharmacy Experience – not required although pharmacy experience (volunteer or work) is strongly recommended.

- Submission of ALL application materials by the application deadline including:
  - a) PharmCAS complete application
  - b) Three completed recommendation forms, one from an instructor, one from a health care provider and the 3rd from either of the above or from an employer. Recommendation letters from friends and family members are not accepted.
  - c) Personal Statement  
The personal statement reveals your thoughts about your strengths as a person as well as areas of personal development you believe you need to improve. The essays communicate your motivation, goals, circumstances, and experiences related to a pharmacy career.

Requirement for Licensing in the Program Career Field: There are numerous eligibility requirements for licensure depending on the student's field of study. Regulations vary from state to state, and students are encouraged to carefully read the requirements and conduct further research.

Pharmacy career field- <https://www.pharmacy.ca.gov/>

### **State and National Board Examinations/ Licensure Requirements**

#### Licensure as An Intern

Students enrolled in School must have a valid, current California Pharmacy Intern License. Incoming students are required to apply for a Pharmacy Intern License during the Fall semester of the PY1. Students will be provided intern application packets during the Pre-IPPE co-curricular course and given instructions on its completion. LifeScan Fingerprinting will be completed during this process.

Completed applications are submitted to the Office of Experiential Education. After processing, the Office of Experiential Education will submit the applications for the entire class to the Board of Pharmacy. Once the applications are received and processed, the Board of Pharmacy mails the Intern License to the student. A copy of the Intern License should be provided to the Office of Experiential Education and the Office of Student Affairs where it will be added to the student's permanent file.

<https://www.pharmacy.ca.gov/applicants/intern.shtml>

Students cannot participate in the IPPE or APPE program without a current California Pharmacy Intern License. In addition, student pharmacists are not allowed to actively immunize unless they are Registered Pharmacist Interns in the state of California. All students must carry their pocket licenses with them at all times when visiting experiential practice sites.

Visiting Board of Pharmacy Inspectors may ask to examine professional licenses when making site visits;

this may also include the licenses of interns participating in experiential education at the site. Preceptors may also ask students to provide a copy of their intern license during your site orientation. All students must disclose information regarding Board of Pharmacy - Board Actions to the Office of Experiential Education within 15 days of receipt of any notice of action against their license from the Board of Pharmacy.

#### Licensure as A Pharmacist

To become licensed to practice pharmacy in California, you must meet the Registered Pharmacist requirements of the California Board of Pharmacy. These requirements can be found on the state board of pharmacy website at:

<https://www.pharmacy.ca.gov/index.shtml>

California Board of Pharmacy. The California State Board of Pharmacy (CSBP) is a consumer protection agency. One way the board fulfills its consumer protection mandate is to assure that those licensed to practice pharmacy possess minimum competency. To this end, California law requires candidates to take the NAPLEX™ and California Practice Standards and Jurisprudence Examination (CPJE). You can obtain a copy of this code and other California pharmacy laws from the board's Web site. These examinations require candidates to demonstrate that they possess the minimum knowledge and abilities necessary to perform safely and effectively in independent pharmacy practice in the U.S. as well as in California. For more information, go to <https://www.pharmacy.ca.gov/index.shtml>

#### North American Pharmacist Licensure Examination (NAPLEX)

The NAPLEX™ (North American Pharmacist Licensure Examination) is developed by the National Association of Boards of Pharmacy (NABP) for use by the state boards of pharmacy as Requirements for pharmacist licensure in California are listed in California Business and Professions Code section 4200(a)(1-6) 40 part of their assessment of competence to practice pharmacy. This computer-adaptive test provides the most precise measurement of the student's knowledge and ability in pharmacy. By using the NAPLEX™, the state boards provide a valid and objective examination that tests the competence in important aspects of the practice of pharmacy. The NAPLEX™ also assists the state boards of pharmacy in fulfilling one aspect of their responsibilities to safeguard the public health and welfare. For more information, go to <https://nabp.pharmacy/>

#### California Practice Standards and Jurisprudence Examination (CPJE)

The California State Board of Pharmacy, through its Competency Committee, develops the CPJE. The board's CPJE is comprised of 90 multiple-choice questions, administered by

computers at designated test centers throughout the country. California law (California Business and Professions Code section 4200.2) requires that the CPJE include items that demonstrate proficiency in patient-communication skills, aspects of pharmacy practice, and the application of clinical knowledge that is not measured by NAPLEX and California law. For more information, go to:

<https://pharmacy.ca.gov/applicants/>

Multistate Pharmacy Jurisprudence Examination (MPJE). The computer-based Multistate Pharmacy Jurisprudence Examination® (MPJE) combines federal and state-specific law questions to serve as the state law examination in participating jurisdictions. The MPJE is based on a national blueprint of pharmacy jurisprudence competencies; however, the questions are tailored to the specific law in each state. For more information, go to <https://nabp.pharmacy/programs/examinations/mpje/>

### Graduation Requirements

A student will be recommended for the degree of Doctor of Pharmacy provided the student:

1. has completed three years in School of pharmacy (183 credit hours) meeting Satisfactory Academic Progress (SAP) progression; and
2. is not on provisional academic status, has completed all prescribed courses with a cumulative grade point average of 2.0 or higher, has no outstanding grade which is incomplete, and has a passing grade for all clinical rotations and all courses; and
3. has performed and behaved in a manner which is ethical, professional, and consistent with the practice of pharmacy; and
4. has satisfactorily passed prescribed exams; and
5. has completed 100 hours (or equivalent) of community service; and
6. has completed all programmatic co-curricular and non- credit requirements (including but not limited to interprofessional activities, outreach events, PCOA, student portfolios, course and programs surveys); and
7. has completed SAP requirements including all degree requirements within SEVEN AND A HALF (7.5) years following initiation of the matriculation process; and
8. has completed at least one AUHS authorized and/or sponsored international mission trip; and
9. has met all AUHS legal, financial requirements, and obligations are paid in full.

### Doctor of Pharmacy Core Course List

| Course Number | Course Name   | Quarter Credit Units |
|---------------|---|----------------------|
| PS 714        | Biochemistry with Lab   | 5.0                  |
| CS 712        | Patient Care Process: Health and Drug Information                       | 3.0                  |
| PS 715        | Pharmaceutical Calculations   | 3.0                  |
| AS 736        | Professional Communications   | 3.0                  |
| AS 723        | Pharmacy and US Healthcare Systems                                      | 2.0                  |
| AS 716        | Judeo-Christian Values in Patient Care- Old Testament I                 | 1.0                  |
| PS 731        | Immunology & Medical Microbiology                                       | 3.0                  |
| CS 713        | Self-Care Pharmacotherapy & Alternative Therapy                         | 4.0                  |
| PS 722        | Pharmaceutics & Biopharmaceutics with Lab                               | 5.0                  |
| AS 711        | Professional Ethics   | 2.0                  |
| PS 744        | Medical Illustration I*   | 3.0                  |
| AS 726        | Judeo-Christian Values in Patient Care- Old Testament II                | 1.0                  |
| PS 741        | Pathophysiology   | 3.0                  |
| PS 743        | Introduction to Medicinal Chemistry                                     | 3.0                  |
| CS 724        | Pharmacy Practice: Medication Use Systems Management                    | 3.0                  |
| CS 734        | Physical Assessment with Lab*   | 2.0                  |
| AS 854        | Medical Illustration II*  | 3.0                  |
| AS 737        | Judeo-Christian Ethics-Old Testament III                                | 1.0                  |
| PS 742        | Introduction to Pharmacology & Toxicology                               | 4.0                  |
| PS 735        | Extemporaneous & Sterile Compounding with Lab                           | 3.0                  |
| PS 725        | Natural Products  | 2.0                  |
| PS 733        | Basic Pharmacokinetics  | 3.0                  |
| AS 745        | Biostatistics & Research Design   | 3.0                  |
| EE 746        | IPPE - Community  | 2.0                  |
| AS 747        | Judeo-Christian Leadership-Old Testament IV                             | 1.0                  |
| PS 721        | Pharmacogenomics & Genetics   | 2.0                  |
| CS 732        | Health Informatics & Patient Safety                                     | 2.0                  |
| CS 851        | Integrated Pharmacotherapy I: Fluids, Electrolyte & Hematology with Lab | 5.0                  |
| CS 852        | Integrated Pharmacotherapy II: Cardiology with Lab                      | 5.0                  |
| EE 855        | IPPE - Hospital   | 2.0                  |
| AS 912        | Pharmacoeconomics   | 2.0                  |
| AS 856        | Judeo-Christian Values in Patient Care- New Testament I                 | 1.0                  |

| Course Number | Course Name  | Quarter Credit Units |
|---------------|--|----------------------|
| AS 863        | Epidemiology, Public Health & Policy                                     | 3.0                  |
| AS 864        | Pharmacy Practice Management   | 2.0                  |
| CS 861        | Integrated Pharmacotherapy III: Pulmonary & Nephrology with Lab          | 5.0                  |
| CS 862        | Integrated Pharmacotherapy IV: Gastroenterology & Endocrinology with Lab | 5.0                  |
| EE 865        | IPPE – Ambulatory Care   | 2.0                  |
| AS 866        | Judeo-Christian Values in Patient Care- New Testament II                 | 1.0                  |
| AS 873        | Pharmacy Law & Regulatory Affairs  | 2.0                  |
| CS 871        | Integrated Pharmacotherapy V: Neurology & Psychiatry with Lab            | 5.0                  |
| CS 872        | Integrated Pharmacotherapy VI: Infectious Disease with Lab               | 5.0                  |
| EE 874        | IPPE – Transition of Care  | 2.0                  |
| PE 884        | Elective I   | 2.0                  |
| AS 875        | Judeo-Christian Ethics-New Testament III                                 | 1.0                  |
| AS 883        | Psychosocial Aspect of Health Care*                                      | 3.0                  |
| CS 881        | Integrated Pharmacotherapy VII: Oncology & Nutrition with Lab            | 5.0                  |
| CS 882        | Integrated Pharmacotherapy VIII: Urology & Reproductive System with Lab  | 5.0                  |
| PE 913        | Elective II  | 2.0                  |
| PE 914        | Elective III   | 2.0                  |
| AS 885        | Judeo-Christian Leadership-New Testament IV                              | 1.0                  |
| CS 911        | Integrated Pharmacotherapy IX: Dermatology & Rheumatology with Lab       | 3.0                  |
| CS 915        | Practice Readiness with Lab  | 4.0                  |
| EE 921        | APPE I – Acute Care/ General Medicine                                    | 6.0                  |
| EE 922        | APPE II – Health Systems/ Institution                                    | 6.0                  |
| EE 931        | APPE III – Ambulatory Care   | 6.0                  |
| EE 932        | APPE IV – Advanced Community   | 6.0                  |
| EE 941        | APPE V – Elective I  | 6.0                  |
| EE 942        | APPE VI – Elective II  | 6.0                  |
| <b>TOTAL</b>  |  | <b>183</b>           |

\* Interprofessional Education (IPE) Courses

Note: Courses may be taught in a sequence that differs from the order represented above.

PharmD Program Information (CIP51.2001; SOC 29-1051)  
PROGRAM LENGTH.....36 Months  
QUARTERS.....12 Quarters  
UNITS.....183 Units  
CLOCK HOURS.....3380

*Instructional Clock Hour to Credit Conversion*

FOR LECTURE.....One Credit = 10 Lecture Hours  
FOR LABORATORY.....One Credit = 20 Laboratory Hours  
FOR EXPERIENTIAL.....One Credit = 40 Practicum Hours

*Instructional Clock Hours to Credit Conversion*

A “clock (Contact) hour” includes a minimum instructional time of 50 minutes of supervised or directed instruction and appropriate break(s).

**Doctor of Pharmacy Course Descriptions**

Clinical and Administrative Sciences

**AS 711 Professional Ethics (2 Credits)**

The course will discuss the principles of professional behavior, ethical issues in patient care and teamwork, conflicts of interest, delivery of patient-centered care, and end-of-life care from a contemporary perspective. The course will also introduce California state Board of Pharmacy regulations. **\*Prerequisite: AS 716.**

**AS 716 Judeo-Christian Values in Patient Care-Old Testament I (1 Credit)**

This course introduces Biblical principles with a spiritual basis and practical approach to contemporary patient care settings. This course also instills the teaching of various Christian values such as love, caring, justice, respect and compassion, in providing direct patient care through the study of various Biblical concepts. **\*Prerequisite: None.**

**AS 723 Pharmacy and US Healthcare Systems (2 Credits)**

This course will introduce students to the historical evolution of pharmacy practice in the United States, services within various medication use systems, and the basic principles of patient care in different pharmacy practice settings including community and hospital. The course will also introduce roles of the pharmacists in public health, medication-patient safety, and medication therapy management. In addition, organizational and economic aspects of healthcare delivery will be discussed. **\*Prerequisite: None.**

**AS 726 Judeo-Christian Values in Patient Care-Old Testament II (1 Credit)**

This course continues to introduce Biblical principles with a spiritual basis and practical approach to contemporary patient care settings. This course also instills the teaching of various Christian values from the Old Testament such as love, caring, justice, respect, and compassion, in providing direct patient care through the study of various Biblical concepts.

**\*Prerequisite: AS 716.**

### AS 736 Professional Communications (3 Credits)

This course is designed to introduce the concepts and principles of interpersonal and professional communication and the strategies for effective communication with patients and other healthcare providers. Communication skills that will be covered in this course include motivational interviewing, listening, nonverbal communication, addressing patients' needs and preferences, and assertive communication. In addition, the role of health literacy, cultural influences on communication of health information are explored. **\*Prerequisite: None.**

### AS 737 Judeo-Christian Ethics-Old Testament III (1 Credit)

This course introduces Biblical principles and concepts with a spiritual basis and practical approach to contemporary ethical and moral issues. This course instills the teaching of various Christian ethical and moral values as illustrated in the Old Testament to provide direct patient care and practice in the current healthcare environment. **\*Prerequisite: AS 726.**

### AS 745 Biostatistics & Research Design (3 Credits)

This course is to introduce the statistical concepts and research design to students so that they can make evidence-based decisions in pharmacy practice. The statistical concepts include types of variables, levels of measurement, statistical distributions, descriptive statistics, hypothesis testing, statistical power, confidence interval, sample size, inferential statistical testing such as parametric and non-parametric. This course also covers various methodologies and their applications in study design. In addition, student will learn to estimate risks and odds in clinical trials, and as well as different approaches to review evidence-based scientific literature. **\*Prerequisite: CS 712.**

### AS 747 Judeo-Christian Leadership-Old Testament IV (1 Credit)

This course introduces Biblical principles with a spiritual basis and practical approach to contemporary leadership, entrepreneurship, and resource management. This course also instills the teaching of various Christian values as illustrated in the Bible, in providing knowledge, skill and attitude of leadership, entrepreneurship and resource management in the current healthcare environment. **\*Prerequisite: AS 737.**

### AS 854 Medical Illustration II (3 Credits)

This interprofessional course is a continuation of Medical Illustration I which will introduce pharmacy and nursing students to art as a form of visual communication. The focus will be on the fundamentals and theory of drawing techniques with techniques especially on anatomical objects. The course will enable students to apply a unique mix of skill in project management, understanding of science and breaking medical technologies. Students will develop

communication and teamwork skills essential for functioning as a member of an interprofessional team. **\*Prerequisite: PS 744.**

### AS 856 Judeo-Christian Values in Patient Care-New Testament I (1 Credit)

This course introduces Biblical principles from the New Testament Bible with a spiritual basis and practical approach to contemporary patient care settings including acute illness, chronic diseases, death & end-of-life care. This course also instills the teaching of various Christian values such as spirit- mind-body connection, grace, mercy, prayer, compassion, and spiritual gifts in providing direct patient care through the study of various Biblical concepts. **\*Prerequisite: None.**

### AS 863 Epidemiology, Public Health & Policy (3 Credits)

This course is designed to introduce students to the basic principles of public health with an emphasis on health promotion and disease prevention with an emphasis on the role of pharmacists in public health. Students will learn area of epidemiology, determinants of health, and how the epidemiology of diseases differs based on race, gender, and geography. This course also teaches the students to advocate for patients and the profession in health care policy. **\*Prerequisite: AS 745.**

### AS 864 Pharmacy Practice Management (2 Credits)

Students will learn about practice management in different settings. Additionally, students will learn the essentials for practice settings that include operations, human resources, finances, marketing, logistics, risk management, and development of innovative pharmacy care services. The course will also focus on managerial responsibilities in the health care settings. **\*Prerequisite: AS 912, CS 724.**

### AS 866 Judeo-Christian Values in Patient Care-New Testament II (1 Credit)

The course series will introduce pharmacy as a ministry of the healing arts and sciences, with a spiritual basis to the approach of contemporary patient care. Also covered are various Christian values, including love and compassion, in providing direct patient care through the study of Biblical principles. The fruits of the spirit will be discussed to empower inter- professional practice. **\*Prerequisite: AS 856.**

### AS 873 Pharmacy Law & Regulatory Affairs (2 Credits)

This course provides an overview of current state and federal laws that substantially impact the competent delivery of pharmacy care and services in community, interprofessional, ambulatory/clinic, inpatient, administrative, and other key practice settings. Standards, guidelines, rules, requirements, practices, and policies relating to maintaining/improving patient safety and consumer protection are also provided. The



laws and professional practice standards of the state of California are emphasized.

**\*Prerequisite: AS 711, CS 724.**

#### AS 875 Judeo-Christian Ethics-New Testament III (1 Credit)

These courses will explain the principles of behavior and ethics dealing with individual conflict of interest, delivery of patient-centered care, and teamwork relevant to contemporary pharmacy practice from a Biblical perspective. **\*Prerequisite: AS 856.**

#### AS 883 Psychosocial Aspects of Health Care (3 Credits)

This interprofessional education course for pharmacy and nursing students presents an exploration of psychosocial concepts, cultural, and environmental factors relative to professional attitudes, behaviors and dispositions. It is directed toward development of self-awareness, professional responsibility, teamwork, and leadership qualities for functioning as a member of an interprofessional team. **\*Prerequisite: AS 711, AS 736.**

#### AS 885 Judeo-Christian Leadership-New Testament IV (1 Credit)

These courses will develop skills for pharmacy practice leadership, resource management (including operational and managerial issues), and teamwork relevant to contemporary pharmacy practice from a Biblical perspective. **\*Prerequisite: AS 875.**

#### AS 912 Pharmacoeconomics (2 Credits)

This course introduces students to the basic concepts, terminology, and applications of Pharmacoeconomics and its usefulness in making informed decision in health care. Students will learn types of outcome evaluation and outcome measures, the appropriate uses and applicability of cost-of-illness, cost-minimization, cost-effectiveness, cost-benefit, cost-utility, and decision analyses. Emphasis is placed upon the reading, interpretation, and critical evaluation of different types of published pharmacoeconomic studies in the medical literature. **\*Prerequisite: AS 745.**

#### CS 712 Patient Care Process: Health and Drug Information (3 Credits)

This course will introduce the fundamental concepts of the Pharmacist Patient Care Process (PPCP) and systematic approach to drug information and literature evaluations. Students will learn how to respond to medication and health information requests systematically and the information retrieval processes. The commonly used drug information resources that are available both in print and electronically will be discussed. Students will begin learning general information about the top 200 medications. The student will build basic understanding of evidence-based medicine, fundamentals of evaluating primary literature and types of studies that are available. This course will use active learning strategies using group projects to

help students learn important drug information and literature evaluation skills. **\*Prerequisite: None.**

#### CS 713 Self-Care Pharmacotherapy & Alternative Therapy (4 Credits)

This course discusses the concept of self-care and provides an in-depth review of conditions that are self-treatable with over-the-counter (OTC) products including nonprescription medications, non-pharmacological therapies, complimentary and natural medicines. This course will provide students with the knowledge and skills to assess patients to assist with proper product selection, and to provide counseling and recommendations regarding self-care inquiries. Appropriate written documentation of findings and patient encounters using SOAP note format as well as laws that govern nonprescription therapy will be introduced. The course will also examine the role of pharmacists in public health through pharmacy-based health education, health promotion, and disease prevention in community pharmacy practice.

**\*Prerequisite: CS 712, CS 723, CS 736.**

#### CS 724 Pharmacy Practice: Medication Use Systems Management (3 Credits)

This course provides an overview of the roles and responsibilities of a pharmacist in general and in various practice settings that involves dispensing, distribution, and administration. This course provides knowledge about preparation and dispensing of prescriptions, development and maintenance of patient medication profiles, identification, and prevention of medication errors. The importance of leadership and professional development in these processes will be discussed.

**\*Prerequisite: CS 712, AS 723.**

#### CS 732 Health Informatics & Patient Safety (2 Credits)

This course will introduce students to the use of technology for organizing, analyzing, and managing information in health care settings. Students will get a better understanding of the roles of pharmacists in implementation, maintenance and use of informatics in the hospital settings (e.g., Electronic Health Record [EHR], Computerized Prescriber Order Entry [CPOE], and Barcode Medication Administration [BCMA]). Patient safety as well as benefits and current constraints of these systems will be explored. Systems in place to maintain confidentiality of health information in accordance with federal policies will also be discussed.

**\*Prerequisite: AS 723.**

#### CS 734 Physical Assessment with Lab (2 Credits)

This interprofessional education course introduces pharmacy and nursing students to methods for obtaining a comprehensive patient history, basic assessment techniques, medical terminology, and how to recognize abnormal findings, and how to triage and refer patients. This course will help students develop communication

and teamwork skills essential for functioning as a member of an interprofessional team.

**\*Prerequisite: CS 713.**

#### **CS 851 Integrated Pharmacotherapy I: Fluid, Electrolytes & Hematology with Lab (5 Credits)**

This course horizontally integrates pathophysiology, medicinal chemistry, pharmacology, clinical pharmacokinetics, and pharmacotherapeutics concepts related to fluid and electrolyte imbalance and hematological disorders. Through this integrated approach of learning, students will be able to apply knowledge of the basic sciences and clinical sciences to the management of patients with a fluid and electrolyte imbalance or hematological disorder. The laboratory section of the course will involve recitation with case discussions. **\*Prerequisite: PS 742, PS 743.**

#### **CS 852 Integrated Pharmacotherapy II: Cardiology with Lab (5 Credits)**

This course horizontally integrates pathophysiology, medicinal chemistry, pharmacology, clinical pharmacokinetics, and pharmacotherapeutics concepts related to cardiovascular diseases. The pathophysiology of a particular disease condition will be discussed, followed by the respective drugs or drug classes emphasizing structure-activity relationship, mechanisms of action, pharmacokinetics, and pharmacological actions on various organ systems, toxicity profiles, contraindications, and drug-drug interactions. Pharmacotherapeutics will be taught in a sequential and integrative manner to link concepts of medicinal chemistry coupled with the pharmacology of the drugs used in the corresponding disease. Through this integrated approach of learning, students will be able to apply knowledge of the basic sciences and clinical sciences to the management of patients with a cardiovascular disease. The laboratory section of the course will involve recitation with case discussions.

**\*Prerequisite: PS 742, PS 743.**

#### **CS 861 Integrated Pharmacotherapy III: Pulmonary & Nephrology with Lab (5 Credits)**

This course horizontally integrates pathophysiology, medicinal chemistry, pharmacology, clinical pharmacokinetics, and pharmacotherapeutics concepts related to pulmonary and nephrology diseases. The pathophysiology of specific disease conditions will be discussed, followed by the respective drugs or drug classes emphasizing structure-activity relationship, mechanisms of action, pharmacokinetics, and pharmacological actions on various organ systems, toxicity profiles, contraindications, and drug-drug interactions. Pharmacotherapeutics will be taught in a sequential and integrative manner to link concepts of medicinal chemistry coupled with the pharmacology of the drugs used in the corresponding disease. Through this integrated approach of learning, students will be

able to apply knowledge of the basic sciences and clinical sciences to the management of patients with pulmonary and/or nephrology disease. The laboratory section of the course will involve recitation with case discussions. **\*Prerequisite: PS 742, PS 743.**

#### **CS 862 Integrated Pharmacotherapy IV: Gastroenterology & Endocrinology with Lab (5 Credits)**

This course horizontally integrates pathophysiology, medicinal chemistry, pharmacology, clinical pharmacokinetics, and pharmacotherapeutics concepts related to gastroenterological or endocrinological disorders. The pathophysiology of specific disease conditions will be discussed, followed by the respective drugs or drug classes emphasizing structure-activity relationship, mechanisms of action, pharmacokinetics, and pharmacological actions on various organ systems, toxicity profiles, contraindications, and drug-drug interactions. Pharmacotherapeutics will be taught in a sequential and integrative manner to link concepts of medicinal chemistry coupled with the pharmacology of the drugs used in the corresponding disease. Through this integrated approach of learning, students will be able to apply knowledge of the basic sciences and clinical sciences to the management of patients with a gastroenterological or endocrinological disease. The laboratory section of the course will involve recitation with case discussions. **\*Prerequisite: PS 742, PS 743.**

#### **CS 871 Integrated Pharmacotherapy V: Neurology & Psychiatry with Lab (5 Credits)**

This course horizontally integrates pathophysiology, medicinal chemistry, pharmacology, clinical pharmacokinetics, and pharmacotherapeutics concepts related to neurologic and psychiatric conditions. The pathophysiology of specific disease conditions will be discussed, followed by the respective drugs or drug classes emphasizing structure-activity relationship, mechanisms of action, pharmacokinetics, and pharmacological actions on various organ systems, toxicity profiles, contraindications, and drug-drug interactions. Pharmacotherapeutics will be taught in a sequential and integrative manner to link concepts of medicinal chemistry coupled with the pharmacology of the drugs used in the corresponding disease. Through this integrated approach of learning, students will be able to apply knowledge of the basic sciences and clinical sciences to the management of patients with a neurologic and/or psychiatric condition. The laboratory section of the course will involve recitation with case discussions. **\*Prerequisite: PS 742, PS 743.**

#### **CS 872 Integrated Pharmacotherapy VI: Infectious Disease with Lab (5 Credits)**

This course is a continuation of the Integrated Pharmacotherapy series with a focus on therapies for

infectious diseases. This course horizontally integrates pathophysiology, medicinal chemistry, pharmacology, clinical pharmacokinetics, and pharmacotherapeutics concepts related to infectious diseases. The pathophysiology of specific disease conditions will be discussed, followed by the respective drugs or drug classes emphasizing structure-activity relationship, mechanisms of action, pharmacokinetics, and pharmacological actions on various organ systems, toxicity profiles, contraindications, and drug-drug interactions. Pharmacotherapeutics will be taught in a sequential and integrative manner to link concepts of medicinal chemistry coupled with the pharmacology of the drugs used in the corresponding disease. Through this integrated approach of learning, students will be able to apply knowledge of the basic sciences and clinical sciences to the management of patients with infectious diseases. The laboratory section of the course will involve recitation with case discussions. **\*Prerequisite: PS 742, PS 743.**

#### **CS 881 Integrated Pharmacotherapy VII: Oncology & Nutrition with Lab (5 Credits)**

This course horizontally integrates pathophysiology, medicinal chemistry, pharmacology, clinical pharmacokinetics, and pharmacotherapeutics concepts related to oncology and nutrition support. The pathophysiology of specific disease conditions will be discussed, followed by the respective drugs or drug classes emphasizing structure-activity relationship, mechanisms of action, pharmacokinetics, and pharmacological actions on various organ systems, toxicity profiles, contraindications, and drug-drug interactions. Pharmacotherapeutics will be taught in a sequential and integrative manner to link concepts of medicinal chemistry coupled with the pharmacology of the drugs used in the corresponding disease. Through this integrated approach of learning, students will be able to apply knowledge of the basic sciences and clinical sciences to the management of patients with oncology and/or requiring nutrition support. The laboratory section of the course will involve recitation with case discussions. **\*Prerequisite: PS 742, PS 743.**

#### **CS 882 Integrated Pharmacotherapy VIII: Urology & Reproductive System with Lab (5 Credits)**

This course horizontally integrates pathophysiology, medicinal chemistry, pharmacology, clinical pharmacokinetics, and pharmacotherapeutics concepts related to urologic conditions and reproductive system. The pathophysiology of specific disease conditions will be discussed, followed by the respective drugs or drug classes emphasizing structure-activity relationship, mechanisms of action, pharmacokinetics, and pharmacological actions on various organ systems, toxicity profiles, contraindications, and drug-drug interactions. Pharmacotherapeutics will be taught in a

sequential and integrative manner to link concepts of medicinal chemistry coupled with the pharmacology of the drugs used in the corresponding disease. Through this integrated approach of learning, students will be able to apply knowledge of the basic sciences and clinical sciences to the management of patients with urologic or reproductive dysfunction/conditions. The laboratory section of the course will involve recitation with case discussions. **\*Prerequisite: PS 742, PS 743.**

#### **CS 911 Integrated Pharmacotherapy IX: Dermatology & Rheumatology with Lab (3 Credits)**

This course horizontally integrates pathophysiology, medicinal chemistry, pharmacology, clinical pharmacokinetics, and pharmacotherapeutics concepts related to for dermatologic and rheumatologic conditions. The pathophysiology of specific disease conditions will be discussed, followed by the respective drugs or drug classes emphasizing structure-activity relationship, mechanisms of action, pharmacokinetics, and pharmacological actions on various organ systems, toxicity profiles, contraindications, and drug-drug interactions. Pharmacotherapeutics will be taught in a sequential and integrative manner to link concepts of medicinal chemistry coupled with the pharmacology of the drugs used in the corresponding disease. Through this integrated approach of learning, students will be able to apply knowledge of the basic sciences and clinical sciences to the management of patients with dermatologic and rheumatologic conditions. The laboratory section of the course will involve recitation with case discussions. **\*Prerequisite: PS 742, PS 743.**

#### **CS 915 Practice Readiness with Lab (4 Credits)**

This course will provide a review of selected materials encompassing the learning objectives from the didactic years. Students will further refine skills, apply knowledge, and demonstrate the attitudes and values of a healthcare professional. Students also engage in a variety of active learning strategies including Objective Structured Clinical Exam (OSCE) where knowledge, skills, attitudes, and values are assessed and student readiness for Advanced Pharmacy Practice Experiences (APPEs) is evaluated. **\*Prerequisite: PS 715, CS 713, CC 852, CS 861, CS 862.**

#### **EE 746 IPPE I –Community (2 Credits)**

The Introductory Pharmacy Practice Experience in Community Pharmacy provides students with hands-on experience in contemporary practice models under the guidance and supervision of a licensed pharmacist. Students will be introduced to the practical aspects of community pharmacy including, but not limited to prescription processing, preparation/filling of medications, patient consultation, immunization, inventory control, pharmacy operations and management, and compliance with regulatory requirements. Within this practice setting, students will

also observe and practice professional ethics and behaviors. **\*Prerequisite: AS 736, PS 715, CS 712.**

#### **EE 855 IPPE II –Hospital (2 Credits)**

The Introductory Pharmacy Practice Experience in Hospital Pharmacy settings provides students with hands-on experience in contemporary practice models in hospital settings under the guidance and supervision of a licensed pharmacist. Students will be introduced to hospital practice and the roles of pharmacists in the hospital. Within this practice, students will participate in accurate medication order processing, demonstrate knowledge in unit dose and intravenous admixture systems, sterile IV medication compounding, medication procurement, medication distribution systems, monitoring of drug therapy, and medication safety. Students will also learn the role of organizations such as The Joint Commission (TJC) and regulatory agencies such as State Board of Pharmacy, Pharmacy and Therapeutics (P&T) Committee, and IT infrastructure including automated dispensing systems, electronic medical record, and computerized prescriber order entry. **\*Prerequisite: EE 746.**

#### **EE 865 IPPE III - Ambulatory Care (2 Credits)**

The Introductory Pharmacy Practice Experience in Ambulatory Care provides students with hands-on experience in contemporary practice models in ambulatory care pharmacy settings under the guidance and supervision of a licensed pharmacist. Unlike IPPE I Community, IPPE III Ambulatory Care will have an emphasis on management of patients. Students will obtain patient medication histories, assess the appropriateness of medication regimens, and identify drug-related problem for common chronic diseases. Students will utilize the Pharmacists' Patient Care Process to develop care plan for an assigned patient to provide a continuity of care. Students will learn to empower patients to manage their disease by educating them the importance of health, immunization, wellness, and disease prevention. **\*Prerequisite: EE 746**

#### **EE 874 IPPE IV –Transitions of Care (2 Credits)**

The Introductory Pharmacy Practice Experience in Transitions of Care provides students with hands-on experience in transitional care in pharmacy settings such as hospital or outpatient settings under the supervision of a licensed pharmacist. Students will assist in transitioning a patient from one setting to another by conducting medication reconciliation, obtaining medication use behavior and history to assess medication adherence, identifying high-risk medications, and ensuring patient follows up with their primary care provider. Students will ensure patients have access to medications and continuity of care by conducting follow-up telephone calls to discharged patients. Students will also design materials to patients

in a comprehensible manner to communicate with patients with low health literacy.

**\*Prerequisite: EE 746.**

#### **EE 921 APPE I - Acute Care/ General Medicine (6 Credits)**

This course will provide students with advanced pharmacy practice experiences towards achieving competency in the acute care and inpatient/general medicine setting. The course integrates, reinforces, and applies the knowledge, skills, attitudes, and values developed in the didactic, IPPEs, and co-curricular activities. Students will be expected to utilize their skills and abilities to provide effective and appropriate patient-centered care. Students will be exposed to patients with a variety of disease states during the rotation. Students will actively engage in direct patient care activities such as obtaining and recording patient medication history, developing, and updating patient therapeutic plans, monitoring lab values, and assessing for drug interactions and adverse drug reactions, and attend rounds as a member of the interprofessional team. **\*Prerequisite: EE 746, EE 855, EE 865, EE 874.**

#### **EE 922 APPE II - Health Systems/ Institution (6 Credits)**

This course builds on the knowledge, skills, attitudes, and values developed in the didactic, IPPEs, and co-curricular activities. Students will be provided with advanced experience towards competency in health systems or institutional pharmacy practice, including management, system use, and direct patient care. The Students will engage in activities including processing and dispensing of medication orders, performing dosage conversion and pharmacokinetic dosing of medications, conducting antibiotic stewardship, evaluating drug therapy, retrieving, and evaluating drug information, consulting with physicians and other healthcare providers, and attending P & T committee meetings. Students will also be exposed to formulary management, monograph preparation, in-service activities, inventory management, therapeutic substitutions, or Regulatory affairs audit support. **\*Prerequisite: EE 746, EE 855, EE 865, EE 874.**

#### **EE 931 APPE III - Ambulatory Care (6 Credits)**

This course will provide students with advanced experience towards competency in pharmacist-provided care in ambulatory care settings and working with diverse patient populations. Students will actively participate in the management of common chronic diseases such as chronic heart failure, hypertension, dyslipidemia, anticoagulation, and pulmonary diseases (asthma and COPD) in a general or specialized outpatient setting. Students will be expected to utilize knowledge, skills, and abilities learned in prior courses to collect patient-specific information, evaluate and monitor drug therapy appropriateness, develop patient

specific care plans, implement, follow up and educate patients or caregivers, and collaborate with other healthcare professionals where applicable.

**\*Prerequisite: EE 746, EE 855, EE 865, EE 874.**

#### EE 932 APPE IV - Advanced Community (6 Credits)

This course will provide students with advanced experience toward competency in the community pharmacy setting. Students will have opportunities to integrate and apply knowledge and skills acquired through didactic, IPPEs, and co-curricular experiences in various patient-centered activities. Students will develop critical thinking and decision-making skills while engaging in pharmacy operations, advanced patient-care services, and patient focused dispensing functions. These activities will focus on obtaining patient medical history, performing drug regimen reviews, and evaluating therapy adherence, counseling patients on appropriate self-care products, delivering immunizations, developing patient care plans with follow-up, and providing education to patients and other healthcare professionals. This course will allow students to explore expanding roles of community pharmacists and prepare them to begin practice upon graduation.

**\*Prerequisite: EE 746, EE 855, EE 865, EE 874.**

#### EE 941 APPE V - Elective I (6 Credits)

This elective course will provide students the opportunity to further develop experience in areas of professional interest, to expand their understanding of professional opportunities, and to achieve the outcomes of the curriculum. Elective clerkships may include, but are not limited to, areas focused on academia, administration, community outreach, pharmacy entrepreneurship, international practice, long-term care, managed care, nuclear pharmacy, professional organizations, and research. Students may also choose to elect a clerkship in acute care and ambulatory care.

**\*Prerequisite: EE 746, EE 855, EE 865, EE 874.**

#### EE 942 APPE VI - Elective II (6 Credits)

This elective course will provide students the opportunity to further develop experience in areas of professional interest, to expand their understanding of professional opportunities, and to achieve the outcomes of the curriculum. Elective clerkships may include, but are not limited to, areas focused on academia, administration, community outreach, pharmacy entrepreneurship, international practice, long-term care, managed care, nuclear pharmacy, professional organizations, and research. Students may also choose to elect a clerkship in acute care and ambulatory care.

**\*Prerequisite: EE 746, EE 855, EE 865, EE 874.**

#### PE 884 Elective I (2 Credits)

These are elective courses that will enable the student to further develop areas of professional interest, to expand their understanding of professional opportunities, and to

achieve the outcomes of the curriculum. Elective courses offered include but are not limited to: Advanced Topics (in various pharmacy/pharmacotherapy fields), Biotechnology, Independent Research Study, Nuclear Pharmacy, Advanced Practice Management, Patient Advocacy, Pharmacy Leadership, Industrial Pharmacy, Introduction to Drug Development, Grant Writing, Special Issues in Clinical Research.

**\*Prerequisite: None.**

#### PE 913 Elective II (2 Credits)

These are elective courses that will enable the student to further develop areas of professional interest, to expand their understanding of professional opportunities, and to achieve the outcomes of the curriculum. Elective courses offered include but are not limited to: Advanced Topics (in various pharmacy/pharmacotherapy fields), Biotechnology, Independent Research Study, Nuclear Pharmacy, Advanced Practice Management, Patient Advocacy, Pharmacy Leadership, Industrial Pharmacy, Introduction to Drug Development, Grant Writing, Special Issues in Clinical Research. **\*Prerequisite: None.**

#### PE 914 Elective III (2 Credits)

These are elective courses that will enable the student to further develop areas of professional interest, to expand their understanding of professional opportunities, and to achieve the outcomes of the curriculum. Elective courses offered include but are not limited to: Advanced Topics (in various pharmacy/pharmacotherapy fields), Biotechnology, Independent Research Study, Nuclear Pharmacy, Advanced Practice Management, Patient Advocacy, Pharmacy Leadership, Industrial Pharmacy, Introduction to Drug Development, Grant Writing, Special Issues in Clinical Research.

**\*Prerequisite: None.**

#### PS 714 Biochemistry with Lab (5 Credits)

This course provides students with a review of functional groups, their properties and function in important biological molecules and drug substances. The structure, physical and chemical properties, biological functions, applicable kinetics, and the metabolic fate of molecules essential to life will be covered with an emphasis on application to pharmaceutical, medical, and clinical uses. The laboratory component of the course will provide students 'hands-on' experience with contemporary research equipment and techniques for making biochemical measurements, which are also commonly employed in clinical chemistry. **\*Prerequisite: None.**

#### PS 715 Pharmaceutical Calculations (3 Credits)

Students will be taught to perform accurate compounding and dosage calculations for solid and liquid dosage forms, injectable medications, and extemporaneously compounded prescription products

to ensure the safety and efficacy of patients' therapy.  
**\*Prerequisite: None.**

#### PS 721 Pharmacogenomics & Genetics (2 Credits)

This course introduces the students to genetic basis for disease and drug action, the genetic basis for alterations of drug metabolism (e.g., poor vs normal metabolizers) and transport, and genetic basis for individualized drug doses and/or change to the drug of choice based on genetic test. The course discusses the role of pharmacogenomics in the development of diseases of high socioeconomical impact and in the pharmacotherapeutic efficacy of drugs used in these diseases.  
**\*Prerequisite: PS 731, PS 742.**

#### PS 722 Pharmaceutics and Biopharmaceutics with Lab (5 Credits)

This course will discuss the physicochemical properties of drugs and excipients used in the formulation and delivery of various dosage forms. This course will also include discussion of critical factors (for ex: stability, dissolution, degradation etc.) which have an impact on the biopharmaceutics, pharmacokinetics and pharmacotherapy of drugs and dosage forms. This course includes the fundamental knowledge of pharmaceutical dosage forms that will be useful in future requisite courses like pharmacotherapeutics and pharmacokinetics. The laboratory component will provide students with a hands-on opportunity to apply classroom knowledge. **\*Prerequisite: PS 715.**

#### PS 725 Natural Products (2 Credits)

This course describes the concepts of crude drugs, semi-purified, and purified natural products and variability of occurrence of pharmacologically active substances in natural products. The course will enable students to conceptualize the functional role of dietary supplements and alternative medical treatments in modern day medicine. **\*Prerequisite: PS 714, PS 743.**

#### PS 731 Immunology and Medical Microbiology (3 Credits)

This course provides a fundamental background of the human immune system and medical microbiology. The topics covered include bacterial, viral, and fungal pathogens and parasites; composition and function of the human immune system; responses of the immune system to pathogens and parasites, injury, and disease; disorders of the immune system; tumor immunology; transplant rejection; and clinical application of immunology including therapeutic antibodies, vaccines, and diagnostic tools. **\*Prerequisite: PS 714.**

#### PS 733 Basic Pharmacokinetics (3 Credits)

This course is an introduction to basic principles of in vivo drug kinetics (linear and nonlinear) including principles of bioavailability/bioequivalence, physiologic determinates of drug onset and duration, drug, disease, and dietary influences on absorption, distribution, metabolism, and excretion and the pharmacokinetic-pharmacodynamic interface.  
**\*Prerequisite: PS 722, PS 742.**

#### PS 735 Extemporaneous & Sterile Compounding with Lab (3 Credits)

This course discusses the drug policy in US Pharmacopoeia guidance on compounding and FDA Compliance Policy Guidelines including techniques and principles used to prepare and dispense individual extemporaneous non-sterile and sterile preparations. The laboratory component will provide students with the opportunity to apply classroom knowledge.

**\*Prerequisite: PS 715, PS 722.**

#### PS 741 Pathophysiology (3 Credits)

This course is designed to teach pharmacy students the principles of pathophysiological concepts and clinical practice guidelines for disease states and their interpretation in the clinical setting. This course emphasizes the pathological changes of the organ and cellular physiology which necessitates pharmacist intervention. The course examines the molecular, cellular, tissue, and organ-level basis of the pathophysiological changes leading to human diseases.

**\*Prerequisite: PS 714, PS 731.**

#### PS 742 Introduction to Pharmacology & Toxicology (4 Credits)

This course will provide students with the foundational scientific knowledge pertaining to drug action. The conceptual understanding of the pharmacodynamic principles, receptor theory, drug-receptor interactions, drug metabolism, principles of drug toxicity and drug-drug interaction will form the basis of understanding of patient-directed therapeutic approaches that will be covered in subsequent Integrated Therapeutic course series. Students will also be introduced to the basis of the autonomic nervous system and pharmacology of autonomic drugs.

**\*Prerequisite: PS 714, PS 741, PS 743.**

#### PS 743 Introduction to Medicinal Chemistry (3 Credits)

The Introduction to Medicinal Chemistry course introduces foundational concepts in medicinal chemistry leading to students understanding of drug structure-activity relationships, physicochemical properties related to drug action, drug-target interactions, chemical aspects of drug metabolism, and medicinal chemistry of autonomic drugs.

**\*Prerequisite: PS 714.**

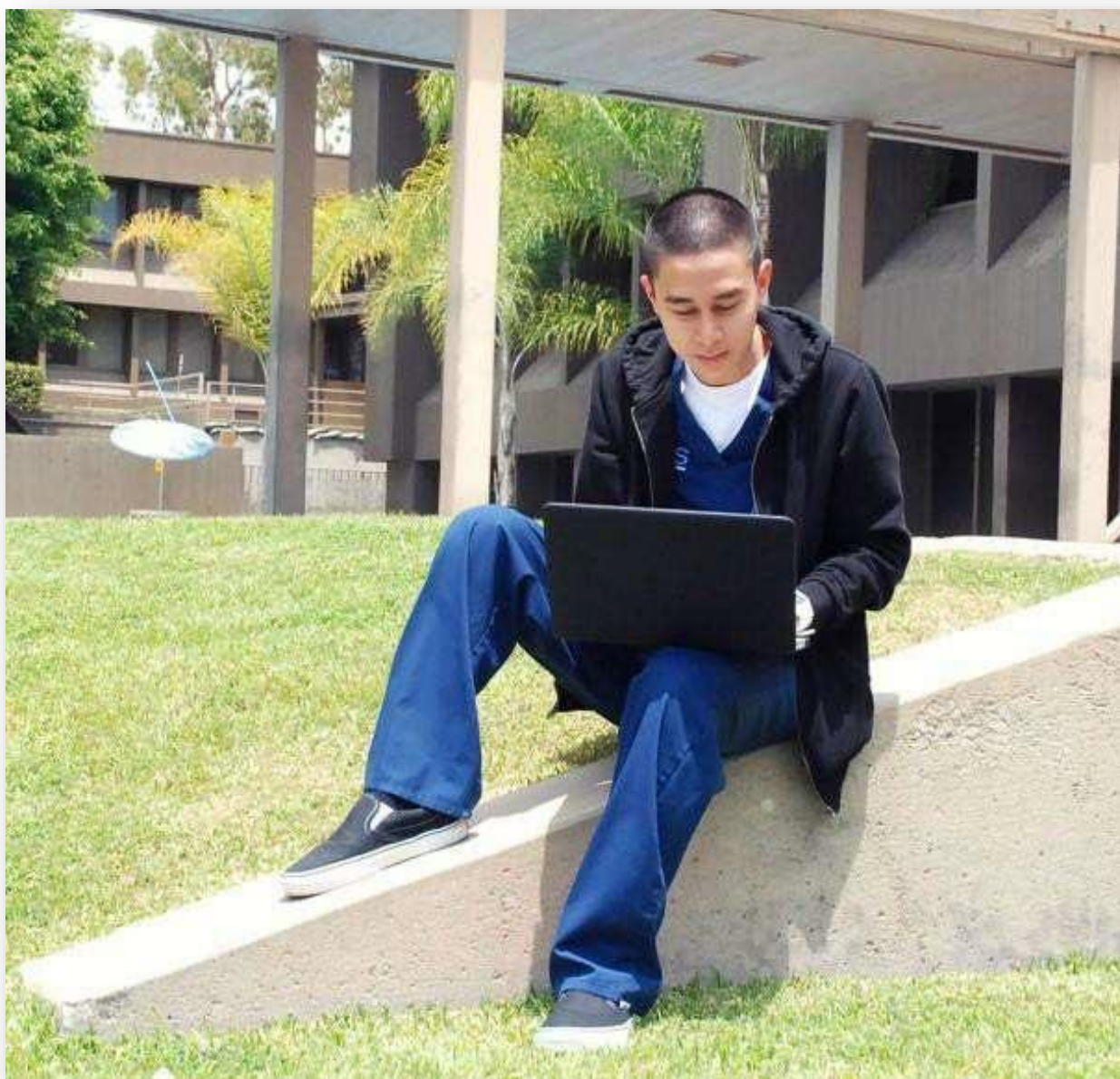
#### PS 744 Medical Illustration I (3 Credits)

This interprofessional education course introduces pharmacy and nursing students to foundational drawing methods, how to use art as a form of communication, how to develop imagination and creativity, and find the relationship between art, science, and God. Students will study figurative art, and its strong references to the real world and human figure, anatomical art, which shows the interior of the body with context in the background, and medical illustration, which shows the interior of the body without context. This course is also designated to help foster empathy and appreciation for patient-centered care. Students will also learn communication and teamwork skills essential for functioning as a member of an interprofessional team. **\*Prerequisite: None.**

## ADMISSIONS TO MASTERS LEVEL PROGRAMS

*“Commit to the LORD whatever you do, and he will establish your plans.”*

*~Proverbs 16:3*



## QUARTER SYSTEM

This University is on a quarter, year-round academic operation system. AUHS' credits are expressed in a quarter unit: one quarter unit represents no less than one hour of class work and two or more hours of outside study per week for a quarter. One and one-half (1½) quarter units are equivalent to one (1) semester units, and one quarter unit is equivalent to 2/3 semester units of credit.

### Definition of Quarter Credit Unit

One quarter credit hour equals 10 hours lecture, 20 hours of laboratory work, or 30 hours of externship/field instruction.

### Course Numbering System

“Upper-division” is a status given to students who have completed all lower-division (100 and 200 series) courses, including any stated pre-requisites for the program, and who are currently enrolled in 300 and 400-series courses. Upper-division courses are advanced, specialized, in-depth, and emphasize problem-solving, analytical thinking, and theoretical applications beyond the introductory level. These courses often build on the foundation provided by the skills and knowledge of lower-division courses. Upper-division courses may require the student to synthesize topics from a variety of sources and may require greater responsibility or independence on the part of the student. Masters' courses begin at 500 and 600 series. Doctoral courses begin at the 700 series and go to 900 series.

## ADMISSIONS PROCEDURES

Prospective students must have applied for admission to their program of study to be officially accepted for a specific starting date. The process includes the following steps:

- Contact the university and make an appointment with an admissions representative for an initial consultation (except doctorate level programs).
- Send a complete application packet with requested documents to AUHS Admissions Department by the deadline. Only complete applications will be processed.
- Complete scheduled formal interviews, by invitation only.
- Complete Financial Aid meetings.
- Respond to the Acceptance Letter.
- Attend the New Student Orientation.

## ADMISSIONS REQUIREMENTS

In order to be eligible for review, application must have:

- At least a bachelor's degree from a U.S. accredited school or a degree equivalent to an U.S. bachelor's degree;
- 3.0 or higher cumulative GPA on a four-point (4.0) scale;
- A 500-word personal statement which explains the applicant's professional goals in the target field and why the applicant will be an asset to AUHS and the community;
- Submission of official transcripts (sealed) from all schools that the applicant has attended;
- Two (2) sealed recommendations on the AUHS letter of recommendation forms, preferably from a science teacher or a health care provider that knows you well;
- Submission of the official TOEFL (Test of English as a Foreign Language) result to demonstrate English competency (for foreign applicants only). The minimum TOEFL score is 213 on the CBT (Computer Based Test) or 80 on the IBT (Internet Based Test), with 24 on speaking section. For TOEFL information, please visit <https://www.ets.org/toefl>. The AUHS code is 4262.
- Completion of formal interviews

## CANCELLATION OF ADMISSION

A student admitted to the university for a given quarter, but who does not register in the specified quarter will have the admission canceled. The student must file a new application form when again seeking admission and must follow the complete application procedure and meet the current admission requirements.

## TEST

### Language Requirement

Test of English as a Foreign Language (TOEFL)

A proficiency in English will be critical to success. AUHS requires foreign/international applicants, regardless of citizenship, who have not attended schools at the secondary level or above for at least three (3) years full-time where English is the principal language of instruction, to take and present a TOEFL score. The TOEFL scores submitted must not have been earned more than two (2) years prior to the desired enrollment date. As circumstances warrant, minimum TOEFL scores may be changed.

Because the Test of English as a Foreign Language (TOEFL) is offered on a limited number of dates, it is important that prospective international applicants sign up to take the examination as soon as possible. Advising centers in the home country can provide information



about dates, locations, and procedures for taking the test. When the applicants take the test, scores should be forwarded by the testing service to AUHS Admissions Department. **AUHS School Code is 4262.**

Foreign/International applicants who do not obtain the minimal score required on TOEFL must take English as a Second Language Course (ESL) offered by other institution and submit the required documentation that ESL has been taken and satisfied prior to beginning a program within the University.

The University does offer an I-20 form for a Student Visa but does not offer ESL classes at this time.

## **INTERNATIONAL STUDENTS**

### **Official Transcripts and Records**

AUHS requires records from all secondary schools attended, showing subjects taken and grades received as well as any national or government certificates earned. Official documents of all college or university coursework must also be sent in the original language, along with certified English translations. They should be certified copies, initialed by an authorized official of the issuing institution with the school stamp in a sealed envelope from the institution.

Please send all official transcripts from former colleges and universities directly along with other required application documents to the AUHS Admissions Department, 1600 East Hill Street, Signal Hill, CA 90755.

All foreign transcripts must be evaluated, course by course, by agencies such as World Education Services (WES), and sent directly to AUHS Admissions Department before acceptance of transfer credits or proof of graduation from a degree granted program.

For information on other agencies that AUHS accepts evaluated transcripts from, please contact Admissions Department at [admissions@auhs.edu](mailto:admissions@auhs.edu) if questions remain.

### **Special Notes:**

All agencies are private organizations. It is the responsibility of the student to pay for the services rendered.

If the student is requesting evaluation of a Bachelor's degree or higher, the request for US high school equivalency should also be made.

It is important for the student to provide complete and accurate information, following the specific directions of the respective agencies and country requirements.

### **Financial Certifications**

In order to comply with regulations of the US Immigration and Naturalization Service (INS), the

University requires applicants who are not citizens or permanent residents of the United States to submit a complete AUHS International Financial Statement accompanied by notarized Financial Certificates or Bank Statements from the savings accounts, for example, under the name of the applicant or the applicant's legal guardians, demonstrating sufficient financial resources to study at the University.

The University requires that payment of all fees (application fee, tuition deposit, etc.) be in the form of a money order or a cashier's check drawn on a US bank or an International Postal Order in US dollars.

### **Visa Requirements**

Upon acceptance to the University, the prospective international applicant will receive an I-20 form. The student should use the I-20 form issued by the University to obtain a student (F-1) visa the U.S. embassy or consulate in the home country to enter the United States to study.

International applicants will need various documents to support the visa application. They are advised to prepare carefully for the visit to the U.S. embassy or consulate. Visa procedures vary from one embassy /consulate to another, so it is best to check with the office where the applicant plans to apply to determine exactly what supporting documentation is required.

Several standard items are required for the student visa application:

Same as the above-mentioned requirements depending on the program applying for, and including:

1. A passport valid for at least six months.
2. Form I-20 included with the acceptance packet.
3. School admission letter.
4. Completed visa applications (DS-156 or DS-160, DS-158 and, if applicable, DS-157. In most countries, applications are now available online).
5. Two 2-inch x 2-inch photographs in the prescribed format (see the Bureau of Consular Affairs' Nonimmigrant Visa Photograph Requirements).
6. A receipt for the visa application fee.
7. A receipt for the Student and Exchange Visitor Information System (SEVIS) fee. If you paid the fee electronically and have not received an official receipt in the mail showing payment, the consulate will accept the temporary receipt printed from your computer. If you do not have a receipt, the consulate may be able to see your payment electronically if your payment was processed at least three business days before your interview.

8. Financial evidence (original documents only) that shows you have sufficient funds to cover your tuition and living expenses during the period you intend to study.
9. Any information that proves that you will return to your home country after finishing your studies in the U.S. This may include proof of property, family, or other ties to your community.

Students transferring from a U.S. institution will use I-20 form to apply for transfer authorization through the Department of Homeland Security.

### **Health Insurance Requirement**

Effective September 1, 2013, as a condition of receiving an I-20 form, all F-1 visa applicants must agree to obtain and maintain health insurance as a condition of registration and continued enrollment in AUHS. Such insurance must be in amounts as specified by the department of State and NAFSA: Association of International Educators. Further information may be obtained from Student Services and Affairs Office at AUHS.

## MASTER OF SCIENCE IN NURSING (MSN)

### LEADERSHIP

Deborah Leveille, PhD, RN, CNL  
*Dean, School of Nursing*

Manuel Atienza, MD, MSN, FNP, APRN-CNP, RN  
*Assistant Director, SON Graduate Programs*

Barbara Thurn-Tamayo, DNP, APRN, FNP-C, CPN  
*Chair, SON Graduate Programs*

### LEAD FACULTY

Christine Taheran, FNP-C, JD, RN  
Pat Alpert MD, MSN, FNP-BC, CNE, RN

### ADJUNCT FACULTY

Arjay Mendoza, B-Pharm, MS Healthcare Informatics  
Arleen Sta. Maria Comiso FNP-C MSN, BSN, RN  
Crisamar Anunciado DNP, MSN, RN, FNP-C  
Elmer Abreu, MD, RN, FNP-C  
Girlielyn Tiu, MD, MSN, DNP, FNP-C  
Hazel Evalle, DNP, APRN, FNP-C  
Gregorio de Grano, MD, MSN, RN, FNP-C  
Jeany Lumactod, MSN-ED, RN  
Jeany Yator, MD, MSN, DNP, FNP-C  
Joseph Francisco, DNP, MSN, FNP-C  
Kenya Smith, MSN FNP-C, RN  
Marilyn Uvero, PhD(c), EdD, MSN, BSN, RN  
Nilo Reyes, MSN, FNP-C



## MISSION

In alignment with AUHS mission, School of Nursing and MSN Program prepares students to make a positive impact on society through the provision of competent, caring, and evidence-based nursing care to diverse patient populations. This mission is accomplished by recruiting and graduating diverse students, preparing them to deliver culturally sensitive, caring, and evidence-based nursing services to all persons in need. The SON exemplifies the core values of the University through belief in Christian Values, holistic approach to education, promotion of the intellectual, analytical, and critical thinking abilities of its students, evidence-based knowledge, and a commitment to teaching/learning, research, service, and scholarship.

The School of Nursing embraces the educational philosophy of the University, which is dedicated to preparing a professional and culturally diverse workforce for nursing and research sectors of healthcare- a workforce who will utilize research and evidence-based practice to guide healthcare delivery, understand the application of research, display high level competencies to health care delivery and value the continuation of learning.

### Master of Nursing (MSN) Program

#### Three (3) Concentrations/Specializations

- Nursing Education
- Nursing Administration, Leadership, and Management
- Family Nurse Practitioner (FNP)

#### Post-Graduate APRN Certificate Program

- Family Nurse Practitioner

The AUHS MSN Program has been granted institutional accreditation (WSCUC, TRACS) and State Approval (BPPE).

*The master's degree program in nursing and post-graduate APRN certificate at American University of Health Sciences is pursuing initial accreditation by the Commission on Collegiate Nursing Education, 655 K Street NW, Suite 750, Washington, DC 20001, 202-887-6791. Applying for accreditation does not guarantee that accreditation will be granted.*

## Master of Science in Nursing (MSN) Degree

The Master of Science in Nursing Degree prepares individuals for advanced nursing practice and students gaining cutting-edge leadership skills needed to influence positive changes in healthcare in organizations in a diverse global environment. The nursing master's level curriculum integrates core master's level concepts in all programs, and advanced clinical foundations (i.e., assessment, pharmacology, pathophysiology) in 3 concentration/specialization: (Nursing Education, Nursing Administration, Leadership & Management and Family Nurse Practitioner.) The Nursing Master's Program, in alignment with the *Commission on Collegiate Nursing Education (CCNE) Standards for Accreditation of Baccalaureate and Graduate Nursing Programs (amended 2018)* has utilized as founding principle, the [Essentials of Masters Education for Professional Nursing Practice \(AANC, 2011\)](#).

The Program provides three different tracts for bachelors prepared nurses to advance their careers in the areas of nursing education; nursing leadership and management; and advanced practice as a family nurse practitioner. The courses in the Nurse Leader and Manager option will help the student gain advanced knowledge of organizational leadership, health policy, and evidence-based health care delivery in order to prepare the student for leadership and administrative roles in a variety of health care situations. The Nursing Education option is designed to prepare students for a nurse educator role in academe and reflects nurse educator competencies developed by national organizations. The Family Nurse Practitioner (FNP) option prepares nurses to act in an advanced practice role as a provider of primary care.

### Program Learning Outcomes (PLOs):

*Based on Essentials of Masters Education for Professional Nursing Practice (AANC, 2011)*

The anticipated outcomes for the Master of Science in Nursing Program are to produce graduates who:

PLO 1. Integrates scientific underpinnings from nursing, biopsychosocial fields, genetics, public health, quality improvement, and organizational sciences for the continual improvement of nursing care across diverse settings (evidence-based practice) in the role of the master prepared nurse. *(Derived from Master Essential I).*

PLO 2. Utilizes principles of organizational and systems leadership critical to the promotion of high quality and safe patient care emphasizing ethical and critical decision making, effective working relationships and a systems-perspective *(Derived from Master Essential II).*

PLO 3. Articulates the methods, tools, performance measures, and standards relate to quality, as well as are

prepared to apply these principles within an organization *(Derived from Master Essential III).*

PLO 4. Translates and integrates scholarship into practice by applying research outcomes within the practice setting, resolving practice problems, and working as change agents to disseminate results *(Derived from Master Essential IV).*

PLO 5. Utilizes informatics and health care technologies to deliver and enhance care and use communication technologies to integrate and coordinate care *(Derived from Master Essential V).*

PLO 6. Uses interprofessional collaboration to improve patient and population health outcomes as a member and leader of interprofessional teams while communicating collaborating and consulting with others to manage and coordinate care *(Derived from Master Essential VI).*

PLO 7. Applies and integrate broad, organizational, client-centered, and culturally appropriate concepts in the planning, delivery, management, and evaluation of evidence-based clinical prevention and population care and services to individuals, families, and aggregate populations *(Derived from Master Essential VII).*

PLO 8. Practices with an advanced knowledge of nursing and relevant sciences background and integrate this knowledge into practice *(Derived from Master Essential VIII).*

PLO 9. Demonstrates practice that is broadly defined to include any evidence-based nursing intervention resulting in the influence of healthcare outcomes for individuals, populations and or systems with the intention to impact care directly and indirectly *(Derived from Master Essential IX).*

### Admissions

In order to be eligible for review, application must have:

1. Earned Bachelor of Science in Nursing degree from an appropriately accredited institution.
2. Evidence of an active and valid licensure as a registered nurse in the United states and its territory upon admission
3. Evidence of an active and valid license as RN in the state of California is mandatory prior to attending program clinical experiences for the FNP track.
4. 3.0 or higher cumulative GPA on a four-point (4.0) scale.
5. A copy of current professional certificates and/or license(s) (if applicable).
6. A resume that itemizes the applicant's volunteer experiences in the related field, and/or any community services that demonstrate leadership and organizational skills.
7. A 500-word personal statement which explains the applicant's professional goals in the target field and why the applicant will be an asset to AUHS and the community.

8. Three professional letters of reference pertaining to academic ability, professional competency, and personal character.
9. Submission of sealed official transcripts or e-transcripts from all schools that the applicant has attended.
10. If applicable, applicants from countries where English is not the primary language and medium of instruction must complete the Test of English as a Foreign Language (TOEFL) with a minimum score of 560 on the written test, 220 on the computer-based test or 87 on the Internet-based test or complete the International English Language Examination (IELTS) with a minimum overall band score of 7. For TOEFL information, please visit <https://www.ets.org/toefl>. The AUHS code is 4262.
11. Telephone, video conference, or in-person interview may be a part of the admission process.
12. Accepted students must attend a MANDATORY New Student Orientation session.

*\*Post admission prior to clinical rotation*

All required health records, evidence of CPR certification, criminal background check, licensure, personal health insurance, and professional liability insurance must be kept on file. It is each student's responsibility to keep all records up to date. Drug screens and immunizations may be required for clinical placements.

**Graduation Requirements**

A student will be recommended for the degree of MSN provided the student:

1. has completed all courses in the MSN track; and
2. is not on provisional academic status, has completed all prescribed courses with a grade of 3.0 or higher, has completed all prescribed academic requirements with a cumulative GPA of 3.0 higher, has no outstanding grade which is incomplete, and has a passing grade for all clinical rotations (if applicable); and
3. has performed and behaved in a manner which is ethical, professional, and consistent with the advanced practice nursing; and
4. has satisfactorily passed prescribed exams; and
5. has complete 100 hours (or equivalent) of community service; and
6. has completed all degree requirements within three years following initiation of the matriculation process for the MSN Leadership and Education tracks; and three and a half years of the matriculation process for the MSN FNP track.
7. has completed at least one AUHS authorized and/or sponsored international mission trip; and

8. has met all AUHS financial requirements and obligations.

**Master of Science in Nursing (MSN) Course List**

| Master of Science in Nursing |   |           |
|------------------------------|---|-----------|
| Core Courses                 | Course Name   | Units     |
| GN 500                       | Theoretical Concepts and Trends in Advanced Practice Nursing                  | 5         |
| GN 501                       | Advanced Pathophysiology  | 5         |
| GN 502                       | Advanced Pharmacology   | 5         |
| GN 503                       | Leadership, Ethics, and Interprofessional Collaboration for Advanced Practice | 5         |
| GN 504                       | Advanced Physical Assessment  | 5         |
| GN 505                       | Information Technology and Tools for Healthcare Improvement                   | 5         |
| GN 506                       | Global Health, Culture and Health Policy for the Advanced Practice Nurse      | 5         |
| GN 507                       | Research and Evidence Based Practice in Advanced Practice                     | 5         |
| <b>TOTAL</b>                 |   | <b>40</b> |

| Nursing Administration, Leadership, and Management |   |           |
|--|---|-----------|
| GN 520   | Advanced Nursing Leadership   | 5         |
| GN 521   | Organizational Behavior in Healthcare                               | 5         |
| GN 522   | Healthcare Financial Management and Economics                       | 5         |
| GN 523   | Analysis and Application of Administrative Strategies in Nursing    | 5         |
| GN600  | Nursing Administration, Leadership, and Management Field Experience | 5         |
| <b>TOTAL</b>                                       |   | <b>25</b> |

| Nursing Education |   |           |
|-------------------|---|-----------|
| GN 530            | Foundations of Professional Roles and Responsibilities of Nurse Educators | 5         |
| GN 531            | Curriculum Design in Nursing Education                                    | 5         |
| GN 532            | Innovative Strategies in Nursing Education                                | 5         |
| GN 533            | Evaluation Strategies and Methods for Nursing Education                   | 5         |
| GN 610            | Nursing Education-Clinical Field Practicum                                | 5         |
| <b>TOTAL</b>      |   | <b>25</b> |

| Family Nurse Practitioner |   |     |
|---------------------------|---|-----|
| GN 540                    | Primary Care of the Pediatric Patient in Advanced Practice          | 5   |
| GN 540L                   | Primary Care of the Pediatric Patient in Advanced Practice-Clinical | 5   |
| GN 541                    | Primary Care of Women in Advanced Practice                          | 2.5 |
| GN 541L                   | Primary Care of Women in Advanced Practice-Clinical                 | 2.5 |
| GN 542                    | Primary Care in the Adult /Older Adult Patient in Advanced Practice | 7.5 |

|              |  |           |
|--------------|--|-----------|
| GN 542L      | Primary Care of the Adult /Older Adult Patient in Advanced Practice-Clinical | 7.5       |
| GN 543       | Primary Care of the Family in Advanced Practice-Putting It Together          | 5         |
| GN 543L      | Primary Care of the Family in Advanced Practice-Clinical                     | 5         |
| GN 696       | Capstone (FNP)   | 5         |
| <b>TOTAL</b> |  | <b>45</b> |

| Post-Graduate APRN Certificate Program |  |           |
|--|--|-----------|
| GN 540                                 | Primary Care of the Pediatric Patient in Advanced Practice                   | 5         |
| GN 540L                                | Primary Care of the Pediatric Patient in Advanced Practice-Clinical          | 5         |
| GN 541                                 | Primary Care of Women in Advanced Practice                                   | 2.5       |
| GN 541L                                | Primary Care of Women in Advanced Practice-Clinical                          | 2.5       |
| GN 542                                 | Primary Care in the Adult /Older Adult Patient in Advanced Practice          | 7.5       |
| GN 542L                                | Primary Care of the Adult /Older Adult Patient in Advanced Practice-Clinical | 7.5       |
| GN 543                                 | Primary Care of the Family in Advanced Practice-Putting It Together          | 5         |
| GN 543L                                | Primary Care of the Family in Advanced Practice-Clinical                     | 5         |
| GN 970                                 | Capstone   | 1         |
| <b>TOTAL</b>                           |  | <b>41</b> |

## MSN PROGRAM INFORMATION

**FNP.....85 Units**  
 Length.....18 Months  
 Quarters.....6 Quarters  
 Additional Required Supervised Clinical Hours....600 Hours

**NURSING EDUCATION.....65 Units**  
 Length.....15 Months  
 Quarters.....5 Quarters  
 Additional Required Supervised Clinical Hours....150 Hours

**NURSING ADMINISTRATION, LEADERSHIP,  
 AND MANAGEMENT.....65 Units**  
 Length.....15 Months  
 Quarters.....5 Quarters  
 Additional Required Supervised Clinical Hours....150 Hours

**POST-GRADUATE APRN  
 CERTIFICATE PROGRAM .....41 Units**  
 Length.....9 Months  
 Quarters.....3 Quarters  
 Additional Required Supervised Clinical Hours....600 Hours

### *Instructional Clock Hour to Credit Conversion*

FOR LECTURE.....One Credit = 10 Lecture Hours  
 FOR LABORATORY.....One Credit = 20 Laboratory Hours  
 FOR EXPERIENTIAL.....One Credit = 30 Practicum Hours

### *Instructional Clock Hours to Credit Conversion*

A “clock (Contact) hour” includes a minimum instructional time of 50 minutes of supervised or directed instruction and appropriate break(s).

## MASTER OF SCIENCE IN NURSING COURSE DESCRIPTIONS

### Indirect and Direct Core Courses: MSN Core Program

#### GN 500 Theoretical Concepts and Trends in Advanced Practice Nursing (5 credit units)

The course will explore nursing theoretical and conceptual foundations for nursing practice to encourage students to critique, evaluate, and utilize appropriate theory within their own practice. Theory development and utilization in nursing is examined to exemplify the importance of these theories in professional nursing practice. Current scientific trends in professional nursing will also be examined to demonstrate the use of research to improve quality health care in the current healthcare delivery system.

#### GN 501 Advanced Pathophysiology (5 credit units): Direct Care Core Course

This course describes the disordered physiology and clinical consequences resulting from common disease processes. Seminar discussions focus on alterations in normal functions of major organ systems. Through problem-solving exercises and case studies, students are encouraged to recognize the pathophysiologic basis of clinical findings associated with disease processes. This course serves as an essential link between the basic sciences and clinical management.

#### GN 502 Advanced Pharmacology (5 credit units) Direct Care Core Course

This course focuses on the application of critical thinking and clinical reasoning in the ordering and administration of medications based on patient’s pathophysiology. The emphasis of the course is on understanding the actions and side effects of medications that are both anticipated and unanticipated applied to the pathophysiology of the disease being treated. Topics to be covered include the pathophysiology and actions of medications that affect various conditions and how lifestyle, age and culture affect medication use and the disease process. Students will develop an understanding and ability to apply these concepts to patients with various pathophysiology and the need for various medications for their conditions.

#### GN 503 Leadership, Ethics, and Interprofessional Collaboration for Advanced Practice(5 credit units)

The course is intended to facilitate the development of collaborative and leadership behaviors for nurses to lead and improve outcomes and facilitate the design of high-performing clinical systems. Theories of leadership, organizational behavior, motivation and interpersonal behavior, conflict resolution, negotiation and patient safety, and quality improvement are applied to health care settings. Emphasis is on collaboration with inter-

professional teams to improve patient and systems outcomes.

#### **GN 504 Advanced Physical Assessment (5 credit units)** *Direct Care Core Course*

This course will examine systematic history taking, interviewing, and other core assessment skills, as well as correct performance of the physical examination while moving into a more advanced practice nursing role. A holistic approach will be used that includes the assessment of the physical, developmental, psychosocial, cultural, and spiritual dimensions and includes health promotion and disease prevention. There will be a review of relevant anatomy and physiology along with examples of examination techniques and corresponding written documentation of the assessment. Students will be able to practice history and exam techniques with virtual patients and will show mastery of skills at the end of the course.

#### **GN 505 Information Technology and Tools for Healthcare Improvement (5 credit units)**

This course focuses on the evaluation and use of information systems and technology to support and improve patient and healthcare systems, provide leadership in academic or healthcare settings, explore telemedicine and telehealth, and influence quality improvement at the micro and macro system levels. Students will evaluate the use of information systems and technology resources to implement quality improvement initiatives, support practice and administrative decision-making, and apply budgetary and productivity tools to improve patient outcomes. Discussion of legal, ethical, and cultural issues will be interwoven with the examination of technologies throughout the course.

#### **GN 506 Global Health, Culture and Health Policy for the Advanced Practice Nurse (5 credit units)**

This course explores the sociocultural, environmental, spiritual, and economic health needs of various populations, including assessment of epidemiology, worldview, and health literacy. Various aspects of health and health promotion are analyzed including the impact of infectious disease, nutrition, reproductive issues, communication, unintentional injury, disease, and aging. A review of planning and managing health promotion programs and health systems that meet global population and cultural needs will be examined. Students will also examine health policy, including its effect on population and the formulation of policy that affects healthcare and healthcare decisions in advanced practice nursing.

#### **GN 507 Research and Evidence Based Practice in Advanced Practice (5 credit units)**

The course is intended to facilitate the development of collaborative and leadership behaviors for nurses to lead and improve outcomes and facilitate the design of high-performing clinical systems. Theories of leadership, organizational behavior, motivation and interpersonal behavior, conflict resolution, negotiation, patient safety, and quality improvement are applied to health care settings. Emphasis is on collaboration with inter-professional teams to improve patient and systems outcomes.

#### **Functional Courses: Nursing Administration, Leadership, and Management**

##### ***Nurse Administration, Leadership and Management.***

*The MSN Nurse Administration, Leadership and Management (MSN-NALM) track requires 65 quarter credits (25 functional courses + 40 Core courses). The MSN-NALM track prepares students for a variety of nurse executive positions in both hospital healthcare systems and community-based systems. Students are prepared to analyze and implement change in policies and procedures that are designed to improve health care outcomes in safety and quality patient care. Students analyze financial forecasting and system functions, develop, and interpret policies, and prepare programs designed to produce system change. Health policy, human resources, information technologies, legal and ethical issues in system management are examined on how these are developed and implemented at the local, state, and national level. The nursing skills competencies in the American Nurses Credentialing Center Nurse Executive (NE) and Nurse Executive Advance (NEA) certification program and eligibility; and the American Organization of Nursing Leadership (AONL) competencies and Essentials of Master's Education in Nursing (AACN, 2011) are used to develop this concentration for the MSN-NALM. The students of Master's in NALM Graduates will be prepared to take the Certification in Executive Nursing Practice (CNP) and Certified Nurse Manager and Leader. The ANCC offers nurse executive board certification examination upon completion of the ANCC eligibility requirements to take this board certification examination. The following credentials are awarded upon passing the ANCC board certification examination: Nurse Executive-Board Certified (NE-BC) or Nurse Executive Advanced-Board Certified (NEA-BC).*

#### **GN 520 Advanced Nursing Leadership (5 credit units)**

The course is intended to facilitate the development of collaborative and leadership behaviors for nurses to lead and improve outcomes and facilitate the design of high-performing clinical systems. Theories of leadership, organizational behavior, motivation and interpersonal behavior, conflict resolution, negotiation, patient safety, and quality improvement are applied to health care settings. Emphasis is on collaboration with inter-professional teams to improve patient and systems outcomes.

### GN 521 Organizational Behavior in Healthcare (5 credit units)

Complexity Science Approaches in Leading Healthcare Organizations. Focuses on the application of organizational behavior and theories of leadership to the management of interdisciplinary teams and decision-making in healthcare organizations. This course has practicum combining both virtual and real-world experiences in the application of theories, working with interdisciplinary teams and decision-making processes.

### GN 522 Healthcare Financial Management and Economics (5 credit units)

Focuses on examination and understanding of healthcare financing and reimbursement concepts preparing an advanced nurse leader to function in a variety of healthcare delivery systems. Course content focuses on concepts of budget and management, developing skills sets and competencies for managing with scarce resources and variables affecting reimbursement.

### GN 523 Analysis and Application of Administrative Strategies in Leadership (5 credit units)

Explores the roles and functions of the nurse leader/manager and the application of evidence-based strategies within healthcare organizations. Further explores the application of evidence-based practice, quality and safety principles and administrative strategies to the nurse leader role in healthcare organizations.

### GN 600 Nursing Administration, Leadership, and Management Field Experience (5 credit units)

In this field placement the students will have the opportunity to experience the role of the nurse administration/manager/leader by engaging in supervised practice experience which includes management decisions, working with interprofessional team members, assessing budgets, problem-solving and decision-making in the clinical setting. Students will work with their preceptors and other members of the health care team to develop an innovative organizational change project. Students will spend a total of 150 hours in a clinical setting once they have successfully completed the nurse administration, leadership, and management courses.

### **Functional Courses: Nursing Education**

*The MSN Nurse Education (NE) track requires 65 quarter credits (25 functional courses + 40 Core courses). The MSN Nurse Educator curriculum prepares graduates to teach in schools of nursing, health systems-based patient, and family education, as well as continuing education. Course work focuses on the professional role of the nurse educator, as well as on the provision of instruction in an area of specialization teaching and evaluation strategies, curriculum design, and evaluation and the use of information technologies enabling*

*graduates to acquire skills necessary for the education of current and future nurses. The competencies in the Essentials of Master's Education in Nursing (AACN, 2011), and National League for Nursing Core Competencies (NLN, 2010), and Outcomes and Competencies for Graduate Academic Nurse Educator Preparation (NLN, 2018) were used to develop the curriculum content for the MSN-NE track. Graduates of this program will be prepared to take both or one of the examinations for Certification for Nurse Educator (CNE) and Certification*

### GN 530 Foundations of Professional Roles and Responsibilities of Nurse Educators (5 credit units)

Focuses on the diverse roles and practice environments experienced by the nurse educator. The course will provide students with guidelines for practice in the classroom, clinical, staff development and various other educational settings. Academic, clinical, and institutional policies, protocols and legal aspects of education will be presented. Advanced Teaching and Role Development. Focus on integration of the role of the Nurse Educator and appraisal of one's performance in the role.

### GN531 Curriculum Design in Nursing Education (5 credit units)

This course explores how the nurse educator fosters authentic learning experiences across various environments to meet the unique needs of nursing students. Students will create innovative, transformational, and context-based teaching learning strategies. The emphasis is on the processes of curriculum design by drawing upon learning theory and style, teaching methodology, diverse student learning environments, accessibility, inclusivity, and the influence of technology on the classroom. Students will spend 30 hours in this course to engage in developing a curriculum utilizing the concepts of curriculum design in nursing education.

### GN 532 Innovative Strategies in Nursing Education (5 credit units)

Focuses on strategies to develop knowledge and skill sets in pedagogy, teaching –learning theories, and selected educational technologies. This course provides students with the opportunity to use and evaluate various technologies and strategies in the academic or clinical environment. The emphasis is placed on developing curriculum, building nursing courses and accessibility considerations. Students will spend 30 hours in this course to engage in developing a curriculum utilizing the concepts of innovative teaching strategies in nursing education.

### GN 533 Evaluation Strategies and Methods for Nursing Education (5 credit units)

Designed to provide nurse educators with valid and reliable tools to assess students learning effectively and systematically in different educational settings, this course outlines and explores the following processes; (a) evaluation process including test construction, didactic



strategies for student engagement, clinical performance assessment within the cognitive, psychomotor and affective domains, considering diversity in student learning; (b) strategies and issues in the evaluation process; (c) development of evaluation strategies and methods instruments that are effective and systematic for learning and application in practice, and (d) program evaluation and accreditation processes. Students will spend 30 hours in this course to engage in developing a curriculum evaluations strategies and methods for nursing education.

#### **GN 610 Nursing Education-Clinical Field Practicum (5 credit units)**

This clinical field practicum is an integrative experience in critical analysis designed to broaden the student's perspectives and provide an opportunity to integrate advanced knowledge and skills gained throughout the program. Students will have the opportunity to apply and experience the advanced role of the nurse educator through the lens of direct patient care in clinical setting. Students will work with their clinical course instructor to develop an innovative clinical project focused on their area of clinical interest. Students will spend a total of 150 hours in an advanced practice role in a direct patient care clinical setting.

#### **Functional Courses: Family Nurse Practitioner**

##### ***Family Nurse Practitioner***

*The MSN Family Nurse Practitioner (FNP) track requires the completion of 85 quarter credit (41 functional courses + 40 Core courses). This program's curriculum is based on the 2017 Core Competencies with curriculum content of the National Organization of Nurse Practitioner Faculties (NONPF). Students are prepared in both theoretical and evidence-based clinical knowledge essential to comprehensive primary care in a variety of settings to clients across the lifespan. The Criteria for Evaluation of Nurse Practitioner Programs (2016) along with the Essentials of Master's Education in Nursing (AACN 2011) are used as the bases for developing this concentration of the program. Graduates from this program will be prepared and eligible to take the following certification board examinations for Family Nurse Practitioner: American Academy of Nurse Practitioners (AANPCB) to earn the NP-C or FNP-C credential; American Nurses Credentialing Center (ANCC) Certification Program (FNP- BC). Graduates are prepared in both theoretical and evidence-based clinical knowledge consisting of the graduate core, advanced practice registered nursing core, and nurse practitioner role and population- focused courses, essentials to comprehensive primary care in a variety of settings to family/individual across the lifespan.*

#### **GN 540 Primary Care of the Pediatric Patient in Advanced Practice (5.0 credit units)**

The focus of this course is the development of foundational knowledge to build clinical decision-making skills needed by the primary care provider. The concepts of growth and development from a theoretical perspective are examined for children from birth through adolescences. Emphasis is

placed on developmental screening tests, anticipatory guidance, and developmental milestones to promote health and wellness. Additionally, focus is also placed on clinical management of common illnesses, including behavioral problems, experienced by infants, toddlers, school-aged children, and adolescents. Theories related to culture and health beliefs are examined from the perspective of caring for the child and family. Through assigned readings, lectures, class discussion, and case studies, the student will begin to develop principles of sound clinical judgement to care for pediatric patients. Students will have the opportunity to apply these concepts in a concurrently offered clinical practicum in multicultural practice settings.

#### **GN 540L Primary Care of the Pediatric Patient in Advanced Practice-Clinical (5.0 credit units)**

To be enrolled in this course students must be currently taking GN 541: Primary Care of Women in Advanced Practice. Students will spend a total of 75 hours their assigned clinical practice setting to care for women from adolescents to post-menopausal years. The focus is on addressing health care issues across the wellness-illness continuum. They will learn to collect subjective and objective data from which to make appropriate diagnoses and plan care that considers the bio-psycho-social, economic, cultural, and developmental factors with the goal of maximizing patients' wellbeing.

#### **GN 541 Primary Care of Women in Advanced Practice (2.5 credit units)**

This course focuses on advanced nursing care to women in diverse populations. It is designed to provide students the opportunity to function in the role as the family nurse practitioner provider of women's health in primary care settings. Students focus on the physical, emotional, socio-cultural, and educational need of the gynecological primary health care of women from adolescence through post-menopausal years. Students will combine broad foundational knowledge with specialty knowledge essential for the unique health needs of women. Students can apply their knowledge in a concurrent clinical practicum in a culturally diverse primary care women's health setting.

#### **GN 541L Primary Care of Women in Advanced Practice-Clinical (2.5 credit units)**

To be enrolled in this course students must be currently taking GN 541: Primary Care of Women in Advanced Practice. Students will spend a total of 75 hours their assigned clinical practice setting to care for women from adolescents to post-menopausal years. The focus is on addressing health care issues across the wellness-illness continuum. They will learn to collect subjective and objective data from which to make appropriate diagnoses and plan care that considers the bio-psycho-social, economic, cultural, and developmental factors with the goal of maximizing patients' wellbeing.

#### GN 542 Primary Care of the Adult/Older Adult Patient in Advanced Practice (7.5 credit units)

The focus of this course is the development of clinical decision-making skills needed to care for adults. As primary care providers delivering comprehensive health care, the student will focus on caring for adults along the wellness-illness continuum focused on health promotion, health maintenance, management of acute and chronic illnesses. Strategies such as assigned readings, lectures, class discussions, case studies and simulations the student will begin the process of developing sound clinical judgement as primary care providers. The concept of interprofessional collaboration will be emphasized for the care of patients with chronic illnesses. This course is taken concurrently with GN 542L, their supervised clinical practicum, which allow them to apply the therapeutic concepts in multicultural practice settings.

#### GN 542L Primary Care of the Adult/Older Adult Patient in Advanced Practice-Clinical (7.5 credit units)

To be enrolled in this course students must be currently taking GN 542, Primary Care of the Adult/Older Adult Patient in Advanced Practice. Students will spend a total of 225 hours in their assigned clinical practice setting to care for adult/older adult patients across the wellness-illness continuum. They will learn to collect subjective and objective data from which to make appropriate diagnoses and plan care that considers the bio-psycho-social, economic, cultural factors with the goal of maximizing patients' wellbeing.

#### GN 543 Primary Care of the Family in Advanced Practice-Putting It Together (5 credit units)

This course utilizes knowledge obtained in previous FNP courses such that this course builds on the previous didactic content. In this course students are expected to apply previous content to provide thoughtful, comprehensive, holistic, quality, safe care to patients and families that is evidence based. The emphasis is on operationalizing the role of the family nurse practitioner in caring for patients, understanding their families are dynamic systems with specific needs as they move through the various stages of development. The use of scenario-based learning activities and simulation will illustrate the concepts covered in this course. Students will have an opportunity to reflect on their approach to patients care that is cognizant of the physical, psychological, social, cultural, and economic status of families while also considering organizational factors, legal, ethical, and geopolitical factors that influence health of patients.

#### GN 543L Primary Care of the Family in Advanced Practice-Clinical (5 credit units)

To be enrolled in this course students must be currently taking GN 543, Primary Care of Families in Advanced Practice. In this final practicum students will have the

opportunity to investigate the inter-relationships among various socioeconomic, legal, and political factors which impact the structure and function of healthcare delivery systems. Students will be assisted to perform the advanced practice roles of manager, clinician, educator, researcher, and consultant in the provision of primary care services across the lifespan to underserved populations. Students will participate in the development of joint protocols, scientific research and development, community service activities and professional endeavors. The purpose of this course is to enable the student to operationalize the role of the family nurse practitioner in the care of individual member of the family across the life span and the community. Student will complete total of 150 hours in this clinical rotation.

#### GN 696: Capstone: FNP (5 Units)

This capstone is the culminating project that demonstrates mastery of all major concepts learned in this program. Students are expected to work with approved preceptors to identify and complete a project according to specialty track. This capstone project prepares students to function in their new roles as advanced practice nurses in the ever-evolving complex health care environment. Working with an approved preceptor the student will identify patients with complex health conditions as the focal point for this scholarly capstone project within this complex health care setting. The paper will address quality, evidence-based approaches to change and or improve the health of the identified patient.

#### GN 970: Capstone: Post-Graduate APRN Certificate Program (1 unit)

Students are expected to work with approved preceptors to identify and complete a case study that demonstrates students' preparedness to function in their new roles as advanced practice registered nurses in the ever-evolving complex healthcare environment. Working with an approved preceptor the student will identify a patient with a complex health condition as the focal point for this case study within their assigned health care setting. The case study will address quality, evidence-based approaches to improve the health of the identified patient (1 credit unit).

## **MASTER OF SCIENCE IN CLINICAL RESEARCH**

### **FACULTY**

Dessouky, Tarek, MD, MBA, MPH Defensor,  
Linnea, MD, MS, RN  
Dillague, Gene, MD, MSCR, BA



### **MISSION**

In alignment with the AUHS mission to provide excellence in pharmaceutical education in order to prepare graduates who advance healthcare and make a positive impact on the health of individuals and of society through the provision of high- quality evidence-based pharmaceutical care. To meet the diverse needs of patients and to promote research, scholarship, and service in the provision of pharmaceutical care, our faculty and students will actively engage in activities which advance the practice of patient-centered pharmacy care and that support and promote research, scholarship, service, and practice in order to contribute to society and meet the pharmacy needs of patients and our communities.

AUHS embraces the educational philosophy of the University, which is dedicated to preparing a professional and culturally diverse workforce for the pharmaceutical, nursing and research sectors of healthcare- a workforce who will utilize research and evidence-based practice to guide healthcare delivery, understand the application of research, display high level competencies to health care delivery and value the continuation of learning.

## MASTER OF SCIENCE IN CLINICAL RESEARCH

The School of Master of Science in Clinical of pharmacy at the American University of Health Sciences. Clinical research professionals are the link between the biomedical industry and the physician in testing new drugs, devices, and procedures. These health professionals oversee the administration and progress of a clinical trial on behalf of a sponsor.

### Goals

At the completion of this training program, the student shall be able to demonstrate:

1. Build familiarity with basic medical terminology and recognize the meanings of medical words through knowledge of roots, prefixes and suffixes;
2. Explain key concepts in human anatomy and physiology, how the various human biologic systems function, and the homeostatic nature of these systems with reference to human disease states;
3. Perform pre-operative physical examination techniques i.e. patient interviews and medical write-ups;
4. Identify health care problems that require appropriate evaluation and management;
5. Understand general treatment approaches and pharmacology for the major body systems;
6. Describe the basic principles of drug actions and interactions, including adverse reactions;
7. Explain techniques by which drugs are administered to treat diseases;
8. Understand regulatory requirements for medical devices and pharmaceuticals, quality control, and design controls for product development;
9. Understand the significance of research as cornerstone for medical innovation;
10. Develop critical thinking and analysis to encourage autonomous thinking necessary for medical decision- making;
11. Understand key health care issues and be able to communicate with other members of the medical community with confidence, precision and force;
12. Appreciate the financial management of Clinical Research;
13. Have a good baseline understanding and practice of statistics;
14. Be able to design and conduct clinical trials;
15. Show capability in the administering of clinical trials;
16. Manage multiple projects of clinical research;

17. Appreciate and follow Good Clinical Practices;
18. Appreciate and follow current good manufacturing practice;
19. Perform audits & inspections;
20. Show proficiency in business development side of clinical trials;
21. Be familiar with and able to use clinical trial materials;
22. Communicate effectively within the Clinical research community;
23. Be able to take apart, dissect and reconstruct randomized trials;
24. Have the ability to submit grants for funding of clinical trials.

### Program Learning Outcomes (PLOs)

Graduates of the Master of Science in Clinical Research program will be able to:

1. Describe basic research strategies, settings, methods and goals of clinical research including all aspects of the preclinical and clinical phases of clinical trials.
2. Critique the advantages and disadvantages of various study protocol designs as related to the test product and anticipated endpoints of the clinical research process.
3. Critically appraise published clinical research and interpretation of new research in the context of existing knowledge and global trends/ issues.
4. Demonstrate an understanding of the interdependence of the different roles in the clinical research team including the alliance of subjects, regulatory agencies, sponsors and sites.
5. Identify ethical, legal, regulatory and financial considerations that impact clinical trials.
6. Apply the essentials of Good Clinical Practice (GCP).
7. Demonstrate an understanding of how the evolution of the safety and efficacy data in drug, biological, and device developments from pre-clinical testing through to registration and post-marketing surveillance impact product development.
8. Demonstrate an understanding of the basic physiological and epidemiological causes and correlates of disease as they relate to clinical trial investigations.

### Admissions

The Master's Degree is designed for students who have a BA or BS degree in the sciences, nursing, pharmacy, allied health fields, or liberal arts.

## Graduation Requirements

1. Complete 84.5 quarter credit units of prescribed Master's degree courses
2. Students must complete all coursework, examinations, and clinical experiences with a cumulative grade point average of 3.0 or a letter grade of B or higher.
3. Present at Poster Session for a selected drug, medical device or research question on health care disparity and present a final paper for that poster session.
4. Complete at least 100 clock hours of community service
5. Successfully prepare and defend the thesis.
6. Has completed at least one AUHS authorized and/or sponsored international mission trip.
7. All financial obligations to the university are paid in full.

The thesis at AUHS is completed over three quarters (9 quarter units/hours), which includes 699A. The thesis represents 10.0% of total course work for the Master's degree. A committee of three representing the student's intended area of research will be appointed by the Office of the Provost. One of the three members must be appointed as the Chair. The thesis course work cannot be taken until all other courses are completed and the following is achieved.

1. A Committee Chair and two additional members have been duly appointed.
2. The Course work for the Master with the exception of the thesis has been completed.
3. The student must successfully defend the thesis proposal with a one-week advanced notice to the public of this defense.
4. The student has been advanced to candidacy with the approval of the committee (Advancement duly certifies that all components at 1 through 3) have been completed and student is now all but thesis).

The Student will be expected to register for 699B for 3 hours and 699C for 3 units; both of which are not in-class structured classes towards the thesis work. But altogether with 699A total 9 quarter hours toward the thesis.

## Award of the Master's Degree

1. When the committee believes the Thesis has been duly completed, the student must arrange a public oral defense of the thesis with at least a one week notice to the public. Part I of the defense shall be public and Part II of the defense shall be Private. The Committee must take a vote on the success of the thesis and if successful make a recommendation for graduation.

2. The Student will be expected to register for 699B for 3 hours and 699C for 3 units; both of which are not in-class structured classes towards the thesis work. But altogether with 699A total 9 quarter hours toward the thesis.
3. The degree is awarded only when the thesis committee certifies that the student has complete all course work and supporting course work and other projects. The form certifying completion must be signed and sent to the Office of the Provost eight weeks before the student wishes to graduate. At this time, the Thesis must be book bound, printed on acid free/acid neutral, 20-pound weight, 25% cotton, single-sided, and watermarked paper. The book bound version of the thesis must be sent to the Office of the Provost before the certifying form is accepted.

## Occupational Options for Masters of Science in Clinical Research

For information about possible occupations for graduates of Masters of Science in Clinical Research program, please refer to:

<https://www.auhs.edu/academics/clinical-research/>

## Foundational/Pre-requisite Courses

(These courses can be taken prior to admission, or during the duration of the MSCR program, prior to graduation)

| Course Number | Course Name                      | Quarter Credit Units |
|---------------|----------------------------------|----------------------|
| MSCR 100      | Medical Terminology              | Cr                   |
| MSCR 500      | Human Anatomy & Physiology       | Cr                   |
| MSCR 688      | Communication Skills Development | Cr                   |
| Totals        |                                  | Cr                   |

## MSCR COURSE LIST

| Course Number | Course Name                                  | Quarter Credits |
|---------------|--|-----------------|
| MSCR 600      | Pathophysiology                              | 2               |
| MSCR 610      | Medical Law and Ethics                       | 3               |
| MSCR 620      | Introduction to Pharmacology                 | 3               |
| MSCR 650      | Epidemiology                                 | 2               |
| MSCR 655      | Physical Diagnosis                           | 1               |
| MSCR 657      | Toxicology                                   | 2               |
| MSCR 658      | Oncology                                     | 3               |
| MSCR 659      | Health Care Financial Management             | 3               |
| MSCR 660      | Introduction to Drug Development             | 3               |
| MSCR 662      | Regulatory & Compliance Issues               | 2               |
| MSCR 664      | Advanced Regulatory Issues                   | 2               |
| MSCR 665      | Medical Device                               | 3               |
| MSCR 670      | Biostatistics                                | 2.5             |
| MSCR 672      | Design & Conduct of Clinical Trials          | 3               |
| MSCR 674      | Clinical Study Administration I              | 3               |
| MSCR 676      | Clinical Study Administration II             | 2.5             |
| MSCR 678      | Advanced Topics in Clinical Study Management | 3               |
| MSCR 680      | Multiple Project Management Skills           | 2.5             |
| MSCR 682      | Good Clinical Practices                      | 3               |
| MSCR 685      | Audits and Inspections                       | 1.5             |

|           |   |      |
|-----------|---|------|
| MSCR 686  | Clinical Trials Business Development          | 1.5  |
| MSCR 687  | Clinical Trials Material                      | 1    |
| MSCR 689  | Special Issues in Clinical Research           | 1.5  |
| MSCR 690  | Medical/Technical Writing                     | 3    |
| MSCR 691  | Grant Writing                                 | 2.5  |
| MSCR 697  | Preceptorship- Clinical Research Practicum I  | 8    |
| MSCR 698  | Preceptorship- Clinical Research Practicum II | 8    |
| MSCR 699A | Thesis  | 3    |
| MSCR 699B | Thesis  | 3    |
| MSCR 699C | Thesis  | 3    |
| Totals    |   | 84.5 |

Note: Courses may be taught in a sequence that differs from the order represented above.

## MSCR PROGRAM INFORMATION

(CIP 51.0719 ; SOC 11-9121)

|                     |            |
|---------------------|------------|
| Program Length..... | 18 Months  |
| Quarters.....       | 6 Quarters |
| Units.....          | 84.5 Units |
| Clock Hours.....    | 1376       |

### Instructional Clock Hour to Credit Conversion

|                       |                                  |
|-----------------------|----------------------------------|
| FOR LECTURE.....      | One Credit = 10 Lecture Hours    |
| FOR LABORATORY.....   | One Credit = 20 Laboratory Hours |
| FOR EXPERIENTIAL..... | One Credit = 30 Practicum Hours  |

### Instructional Clock Hours to Credit Conversion

A "clock (Contact) hour" includes a minimum instructional time of 50 minutes of supervised or directed instruction and appropriate break(s).

## MASTER OF SCIENCE IN CLINICAL RESEARCH COURSE DESCRIPTIONS

### MSCR 600: Pathophysiology (2 credit units)

This course identifies abnormal physiologic state of disease topics: basic concepts of disease processes, musculoskeletal disorder, skin disorder, lymphatic disorder, cardiovascular disorder, eye disorder, respiratory disorder, endocrine disorder, digestive disorder, urinary disorder and the neurologic disorder.

### MSCR 610: Medical Law and Ethics (3 credit units)

Through past/current examples, lectures and discussion groups, the student will learn the principles and concepts in determining the proper approach to solving ethical dilemmas one might encounter in research.

### MSCR 620: Introduction to Pharmacology (3 credit units)

Introduction to the principles of pharmacology including pharmacokinetics and dose response relationships is explored. DNA and major classes of therapeutic agents are covered with attention to their mechanisms of action. This course also addresses issues of concern in drug development and the biological bases for population variability in drug response.

### MSCR 650: Epidemiology (2 credit units)

An examination of the distribution and dynamics of human health problems on the community level and exploration of the scientific investigations used to determine circumstances under which diseases occur or health prevails.

### MSCR 655: Physical Diagnosis (1 credit unit)

This course is designed to provide students with fundamentals cognitive knowledge of interviewing, formulating write-ups and physical assessment techniques. Techniques of screening, pre-operative physical examinations, lectures, and demonstrations are explored.

### MSCR 657: Toxicology (2 credit units)

A study of the entry, distribution, biotransformation, and mechanism of action of chemical agents harmful to the body is explored.

### MSCR 658: Oncology (3 credit units)

Students receive a baseline understanding of the epidemiology and pathophysiology of cancer; discuss the cancer types and treatment modalities, identify common cancer complications, discuss supportive care issues, and identify key health care professionals involved in cancer care/research.

### MSCR 659: Health Care Financial Management (3 credit units)

A study of effective management of financial resources in health care facilities is explored. The course further focuses on the basic concepts of cost accounting, financial reporting, reimbursement, budgeting, financial controls, and strategic financial planning.

### MSCR 660: Introduction to Drug Development (3 credit units)

This course introduces students to the history of the FDA and drug development. It describes the science of biotechnology, medical devices, and biopharmaceuticals, taking the student through the history of the industry and covers the basic science of DNA and its functions, immunology, proteins and their purification, and fundamental techniques used in the research and development of biotechnological and biopharmaceutical products. Includes an overview of drug approval by the FDA, introduces students to the pharmaceutical industry, the bio-pharmaceutical industry, and the drug development process. Drug development from chemical synthesis to phases 1-4 is discussed. The regulatory requirements of the FDA are reviewed along with the content of the investigational new drug application (IND), the new drug application (NDA), and the marketing authorization application (international). The role of the investigator, coordinator, sponsor, clinical research associate and monitor are

discussed. Individuals are exposed to the skills necessary to function as a successful study monitor.

#### **MSCR 662: Regulatory & Compliance Issues (2 credit units)**

This course addresses the regulatory requirements necessary to take a product from basic research through clinical trials. Topics include pre-clinical safety and testing requirements, IND components, manufacturing and products quality regulations and guidelines, and the regulatory requirements for clinical trials. The focus is on therapeutics, diagnostic agents, and devices. The development of these components is discussed from a regulatory standpoint.

#### **MSCR 664: Advanced Regulatory Issues\* (2 credit units)**

Details of FDA guidelines for the development and commercialization of drugs, devices, and biologics is explored. The documents and forms required for the entire process are covered, as well as international harmonization regulatory concerns and establishment license applications (ELA). *\*Pre-requisite: MSCR 662 Regulatory & Compliance Issues*

#### **MSCR 665: Medical Device (3 credit units)**

A study of the medical product development process, regulatory requirements for medical devices, and their quality systems is explored.

#### **MSCR 670: Biostatistics (2.5 credit units)**

Risk and causality; comparing therapies: The randomized controlled clinical trial, normal (gaussian) distribution, confidence intervals, hypothesis testing, tests of statistical significance—Chi-square procedures, quantification of risks, Tests of statistical significance: Regression and correlation paired and pooled tests, analysis of variance. Lecture and laboratory consists of training in the following software: SPSS, SAS and if time permits Minitab statistical software.

*\*Pre-requisite: MSCR 668*

#### **MSCR 672: Design & Conduct of Clinical Trials (3 credit units)**

Covers the history and current methodologies used in the design and conduct of clinical trials. Topics include sample selection; data forms and management; patient recruitment, enrollment, and compliance; and measures of cost containment and effectiveness. The role of the varied individuals who accomplish the success of clinical trials, i.e., the PI, coordinator, CRA, Sponsor, Monitor is explored. The need and value of integrity within work without compromise is also explored. The importance of being self-motivated and willing to work on one's own is also explored.

#### **MSCR 674: Clinical Study Administration I (3 credit units)**

This course is an overview of the development contents and process of the clinical research study. Topics include protocols, case report forms, investigator brochures, informed consent, institutional review boards and statement of investigator form 1572.

#### **MSCR 676: Clinical Study Administration II (3 credit units)**

Expands upon the processes of study management, topics include source documents verification, visit types, drug accountability, adverse events, laboratory, and supplies. *\*Pre-requisite: MSCR 674 Clinical Study Administrations I*

#### **MSCR 678: Advanced Topics in Clinical Study Management (3 credit units)**

This capstone experience utilizes the background materials presented before to develop concepts of negotiation, presentations, time management, travel smarts as they pertain to the role of clinical research associates. In addition, record keeping, data management, and data correction techniques are presented.

#### **MSCR 680: Multiple Project Management Skills (2.5 credit units)**

This course is designed to give clinical research associates and coordinators the skills necessary to manage large and small projects such as research protocols and studies. Students develop, manage, and present a project using the computer, utilizing techniques such as charts, critical paths, written reports, and visual presentations. Projects are tracked and managed using comparisons of initial baselines of forecasts with ongoing and final results.

#### **MSCR 682 Good Clinical Practices (3 credit units)**

This course introduces the regulatory responsibilities of the sponsors, monitors and investigators conducting clinical trials. Practical information and exercises designed for the clinical trial professional on procedures for ensuring GCP compliance from an industry perspective. Topics include identifying and selecting qualified investigators, obtaining ethical approval to enroll patients and initiating site visits successfully. In addition, covers issues related to collecting required regulatory documentation, verifying high quality data. Maintaining study materials, accountability, and reporting serious adverse events. Group discussions and guest speakers help students learn the practical skills used in the field. The need for and importance of standard operating procedures.

#### **MSCR 685: Audits and Inspection (1.5 credit units)**

Audits that reference particular guidelines in the CFR are explored.

**MSCR 686: Clinical Trials Business Development (1.5 credit units)**

Issues which make up the business development side of research or establishing an investigational group are explored. This course is inclusive of the setting up of the office and the recruitment of patients, arranging investigator meetings and financial cost issues and the managing and tracking of expenditures, etc.

**MSCR 687: Clinical Trials Materials (1 credit unit)**

This course explores the forms their correct usage and flow in the clinical trial process. In addition, this course also reviews what happens at closeout visits and reconciliation of GCP materials.

**MSCR 689: Special Issues in Clinical Research (1.5 credit units)**

Students examine clinical investigations through analysis of two randomized clinical trials.

**MSCR 690: Medical/ Technical Writing (3 credit units)**

To supply students with the necessary and basic tools needed for medical/technical writing of reports, proposals, grants, and other documentation as part of clinical research.

**MSCR 691: Grant Writing (2.5 credit units)**

Finding and developing proposals for public and private funds, writing corporate proposals, writing government proposals, editing techniques, search engines. Grant reviews and funding decisions. Students will write and submit an actual grant by the end of the class. Oral presentation of the grant proposal is also required of each student.

**MSCR 697 and MSCR 698: Preceptorship-Clinical Research Practicum\* (16 credit units)**

The preceptorship is a three-month, full time experience, which occurs both in either a clinical setting or clinical research organizational setting. Students will interact with clinical research associates, clinical research coordinators, and clinical scientists in a workplace setting to develop and polish clinical research coordinating and monitoring skills.

\*Pre-requisite: Completed all required coursework in the catalog.

**MSCR 699A - THESIS/PROJECT\* (3 credit units/No In-Class Time)**

With the guidance of a faculty committee, each student begins task of writing the thesis. Students meet with their individual committee to begin the thesis project. Completion of this activity helps to develop the students' abilities for critical review of literature, understanding key health care issues and communicating with precision, cogency, and force.\*Pre-requisite: Completion of all didactic coursework and certification for candidacy must be accomplished during this term.

**MSCR 699B - THESIS/PROJECT\* (3 credit units/No In-Class Time)**

Continuing with the guidance of a faculty committee, each student continues the process of writing the thesis. Completion of this term allows the students to continue directed work towards the completion of the thesis.

\*Pre-requisite: MSCR 699A

**MSCR 699C - THESIS/PROJECT\* (3 credit units/No In-Class Time)**

Continuing with the guidance of a faculty committee, each student continues the process of writing a thesis. With the completion of the thesis, and the appropriate public defense of the thesis, and the certification by the duly appointed committee, the student may make application for graduation.

\*Pre-requisite: MSCR 699A, MSCR 699B



## ADMISSIONS TO BACCALAUREATE LEVEL PROGRAMS

*“On the parable of the Good Samaritan: "I imagine that the first question the priest and Levite asked was: 'If I stop to help this man, what will happen to me?' But by the very nature of his concern, the good Samaritan reversed the question: 'If I do not stop to help this man, what will happen to him?'”*

*~Martin Luther King Jr., Strength to Love*



Community Service-A Core AUHS

## QUARTER SYSTEM

This University is on a quarter, year-round operation system. AUHS' credits are expressed in a quarter unit: one quarter unit represents no less than one hour of class work and two or more hours of outside study per week for a quarter. One and one-half (1½) quarter units are equivalent to one (1) semester units, and one quarter unit is equivalent to 2/3 semester units of credit.

### Definition of Quarter Credit Unit

One quarter credit hour equals 10 hours lecture, 20 hours of laboratory work, or 30 hours of externship/field instruction.

### Course Numbering System

“Upper-division” is a status given to students who have completed all lower-division (100 and 200 series) courses, including any stated pre-requisites for the program, and who are currently enrolled in 300 and 400 -series courses. Upper-division courses are advanced, specialized, in-depth, and emphasize problem-solving, analytical thinking, and theoretical applications beyond the introductory level. These courses often build on the foundation provided by the skills and knowledge of lower-division courses. Upper-division courses may require the student to synthesize topics from a variety of sources and may require greater responsibility or independence on the part of the student. Masters' courses begin at 500 and 600 series.

## ADMISSIONS PROCEDURES

Prospective students must have applied for admission to their program of study to be officially accepted for a specific starting date. The process includes the following steps:

1. Contact the university and make an appointment with an admissions representative for an initial consultation.
2. Send a complete application packet with requested documents to AUHS Admissions Department. Only complete applications will be processed.
3. Take and pass the University Entrance test (Wonderlic Scholastic Test).
4. Complete scheduled formal interviews, by invitation only.
5. Submit an official result of The Test of Essential Academic Skills version 5 (TEAS V) only for those with completion of nursing prerequisite courses.
6. Take and achieve desired scores on the Accuplacer for, reading proficiency, and mathematics proficiency (except those with completion of nursing prerequisite courses).

7. Complete Financial Aid meetings.
8. Admissions Committee completes document review.
9. Respond to the Acceptance Letter.
10. Attend the New Student Orientation.

## ADMISSIONS REQUIREMENTS

The program-specific admission requirements and procedures are detailed in the catalog under the specific school(s).

General Admission Requirements for the Baccalaureate Degrees, each applicant must have:

- A cumulative GPA of 2.5 or higher in all the college coursework from U.S. accredited schools
- At least a High School Diploma or:
- A GED certificate;
  - a certificate or other official completion documentation demonstrating that the student has passed a state-authorized examination (such as the Test Assessing Secondary Completion (TASC) the High School Equivalency Test (HiSET), or, in California, the California High School Proficiency Exam) that the state recognizes as the equivalent of a high school diploma (certificates of attendance and/or completion are not included in this qualifying category);  
an associate's degree;
- Successful completion of at least 60 semester or trimester credit hours or 72 quarter credit hours that does not result in the awarding of an associate's degree, but that is acceptable for full credit toward a bachelor's degree at any institution nationally or regionally accredited; or
- Enrollment in a bachelor's degree program where at least 60 semester or trimester credit hours or 72 quarter credit hours have been successfully completed, including credit hours transferred into the bachelor's degree program.
- A 500-word personal statement which explains the applicant's professional goals in the target field and why the applicant will be an asset to AUHS and the community;
- Official transcripts (sealed) from all schools that the applicant has attended;
- A resume that itemizes the applicant's volunteer experience in the related field, and/or any community services that demonstrate leadership and organizational skills;
- Two (2) sealed recommendations on the AUHS letter of recommendation forms, preferably from a science teacher or a health care providers that knows the applicant well;

- Official TOEFL (Test of English as a Foreign Language) results to demonstrate English competency (For foreign applicants only). The minimum TOEFL score is 213 on the CBT (Computer Based Test) or 80 on the IBT (Internet Based Test), with 24 on speaking section. For TOEFL information, please visit <https://www.ets.org/toefl> AUHS code is 4262;
- Completion of formal interviews;
- Appropriate English and Math levels by taking Proficiency Assessment Exams (Accuplacer Tests or The Essential Academic Skills Test, TEAS [For matriculating students to the undergraduate program only]).

### General Requirements for High School Graduates

AUHS requires that first-time College applicants to complete a comprehensive pattern of college preparatory study at high school that totals 15 units with grades of C+ or higher. One (1) unit is worth one (1) year of study in high school.

- 4 years of English (College preparatory English that includes frequent and regular writing, reading of classic and modern literature. Only one year of English Development (ELD) counts toward this requirement.
- 3 years of Math (Algebra, Geometry, and Algebra 2; 4 years of math preferred).
- 2 years of Laboratory Science (at least 2 of these 3 disciplines: biology, physics, chemistry; 4 years of science preferred).
- 2 years of History/Social Science (Including one year of world history, cultures and historical geography and one year of US history or one-half year of US history and one-half year of civics or American Government.
- 2 years in the same foreign language (subject to waiver for applicants demonstrating equivalent competence).
- 1 year of visual and performing arts: art, dance, drama/theater, or music.
- Completion of SAT or ACT (recommended, not required).

### General Requirements for Transfer Applicants

Applicants who have completed fewer than 56 transferable semester college units (84 quarter units) from regionally accredited schools are considered lower division transfer students.

Applicants who have completed 56 or more transferrable semester college credits units (84 quarter units) from regionally accredited schools are considered upper division transfer students.

Applicants who completed college units from a regionally accredited school between high school and AUHS enrollment are considered first-time freshmen.

Transfer applicants must have achieved a cumulative GPA of 2.5 or higher in all the college coursework from U.S. accredited schools to assure satisfactory background for professional studies.

Transfer Applicants with Previous Military training/or Coursework

Applicants with coursework received while in the military may apply to the University for Evaluation of previous learning.

### PROVISIONAL ADMISSION

AUHS may admit on a provisional basis on the recommendation of the admissions committee. In this case, the student must pass the first 3 courses with 78% or better to remain enrolled.

### CANCELLATION OF ADMISSION

A student admitted to the university for a given quarter, but who does not register in the specified quarter, will have the admission canceled. The student must file a new application form when again seeking admission and must follow the complete application procedure and meet the current admission requirements.

### TESTS

#### University Entrance Test: Wonderlic Scholastic Test

The Wonderlic Scholastic Level Exam (SLE) is a short-form computer-based test of general cognitive ability. Often referred to as general intelligence, or cognitive ability is a term that is used to describe the level at which an individual learns, understands instructions, and solves problems. It provides quantitative insight into how easily individuals can be trained, how well they can adjust to, and solve, problems, and how well satisfied they are likely to be with the demands of the curriculum. The information is available at [www.wonderlic.com](http://www.wonderlic.com). Students achieve a score of 19 on a computer-based test (CBT) or 21 on a paper-based test to continue the application process at AUHS.

#### Proficiency Assessment Test Requirements

AUHS requires all entering students, except those who qualify for an exemption, to take the Accuplacer tests or The Essential Academic Skills Test [TEAS] prior to their enrollment.

Accuplacer tests are used for advanced placement status in courses in reading, writing, and Arithmetic. In order to secure students' academic success, those who are unable to

demonstrate proper English or Math level will be placed in Fundamentals of English or Fundamentals of College Math prior to or during the first quarter of their enrollment. The scores for placement in fundamental courses in English or Math are found below:

- **ENGLISH 098 (P/NP):** Fundamentals of English (4 units) is designed for those who scored below 90 on the Accuplacer-English Test and below 109 on Accuplacer-Sentence Structure Test. Each test must have the demonstrated appropriate score achieved independently of the other. Failure to pass one or both tests will require the student to be placed in this Fundamental of English course. This course does not count for matriculation towards a degree. This course may only be taken three (3) times before the student will be considered unable to progress.
- **MATH 098 (P/NP):** Fundamentals of College Mathematics course (4 units) is designed for those who scored below **63** on the Accuplacer-College Algebra Test and below **109** on the Accuplacer-Elementary Algebra Test. This course does not count for matriculation towards a degree. This course may only be taken three (3) times before the student will be considered unable to progress.
- **CHEMISTRY 100:** Basic Chemistry (P/NP) (4 credit units) This course introduces the basic principles of chemistry from a conceptual approach, focusing on the concepts of chemistry with little emphasis on the calculations. It also provides basic knowledge and problem-solving techniques necessary for CHEM-151 such Formula and equation writing, basic gas laws and stoichiometry. **\*Recommended**

**Preparation:** One year of high school Chemistry with at least a C within 5 years of graduation.

**\*Chemistry- 100** is recommended to students who have not yet taken AP Chemistry or college-level chemistry as the prerequisite of Chemistry 151 at American University of Health Sciences. This course is offered on a pass/no pass basis only. This course may be taken a maximum of 3 times.

Although, the fundamentals courses are on a pass or non-pass basis, the enrollments in the foundational courses may affect program length and cost. Fundamental courses that are graded pass (P) or no pass (NP) do not count in the Cumulative Grade Point Average (CGPA) and Maximum time Frame (MTF). Failure to complete foundational courses after the 3rd attempt will result in no further progression in the program.

The Accuplacer Tests are computerized assessment, and their information is available at <https://accuplacer.collegeboard.org/>

### **The TEST of Essential Academic Skills (TEAS)**

The Test of Essential Academic Skills version 5 (TEAS-V) is required of nursing applicants by the School of Nursing (SON) at AUHS as an entrance examination, which assess the Applicant's academic aptitude in reading, math, science English and language usage skills. Those who show a strong aptitude in academics are more likely to succeed in completing their nursing school education. AUHS SON requires incoming nursing students to score **65%** on the adjusted TEAS score to be considered for admission. More information is available at <https://www.atitesting.com/>

### **ADMISSIONS FOR INTERNATIONAL STUDENTS**

#### **Official Transcripts and Records**

AUHS requires records from all secondary schools attended, showing subjects taken and grades received as well as any national or government certificates earned. Official documents of all college or university coursework must also be sent in the original language, along with certified English translations. They should be certified copies, initialed by an authorized official of the issuing institution with the school stamp in a sealed envelope from the institution.

Please send all official transcripts from former colleges and universities directly along with other required application documents to the AUHS Admissions Department, 1600 East Hill Street, Signal Hill, CA 90755.

All foreign transcripts must be evaluated, course by course, by agencies such as World Education Services (WES), and sent directly to AUHS Admissions Department before acceptance of transfer credits or proof of graduation from a degree granted program.

For information on other agencies that AUHS accepts evaluated transcripts from, please contact Admissions Department at [admissions@auhs.edu](mailto:admissions@auhs.edu) if questions remain.

#### **Language Requirement**

Test of English as a Foreign Language (TOEFL)  
A proficiency in English will be critical to success. AUHS requires foreign/international applicants, regardless of citizenship, who have not attended schools at the secondary level or above for at least three (3) years full-time where English is the principal language of instruction, to take and present a TOEFL score. The TOEFL scores submitted must not have been earned more than two (2) years prior to the desired enrollment date. As circumstances warrant, minimum TOEFL scores may be changed.

Because the Test of English as a Foreign Language (TOEFL) is offered on a limited number of dates, it is important that prospective international applicants sign up

to take the examination as soon as possible. Advising centers in the home country can provide information about dates, locations, and procedures for taking the test. When the applicants take the test, scores should be forwarded by the testing service to AUHS Admissions Department. **AUHS School Code is 4262.**

The minimum TOEFL score for admission to undergraduate programs is 213 on the CBT(Computer Based Test) or 80 on the IBT (Internet Based Test), with 24 on speaking section for undergraduate-level and graduate-level programs.

Foreign/International applicants who do not obtain the minimal score required on TOEFL must take English as a Second Language Course (ESL) offered by other institution and submit the required documentation that ESL has been taken and satisfied prior to beginning a program within the University.

The University does offer an I-20 form for a Student Visa but does not offer ESL classes at this time.

*Special Notes:*

- All agencies are private organizations. It is the responsibility of the student to pay for the services rendered.
- If the student is requesting evaluation of a Bachelor's degree or higher, the request for US high school equivalency should also be made.
- It is important for the student to provide complete and accurate information, following the specific directions of the respective agencies and country requirements.

**Financial Certifications**

In order to comply with regulations of the US Immigration and Naturalization Service (INS), the University requires applicants who are not citizens or permanent residents of the United States to submit a complete AUHS International Financial Statement accompanied by notarized Financial Certificates or Bank Statements from the savings accounts, for example, under the name of the applicant or the applicant's legal guardians, demonstrating sufficient financial resources to study at the University.

The University requires that payment of all fees (application fee, tuition deposit etc.) Be in the form of a money order or a cashier's check drawn on a US bank or an International Postal Order in US dollars.

**Visa Requirements**

Upon acceptance to the University, the prospective international applicant will receive an I-20 form. The student should use the I-20 form issued by the University to obtain a student (F-1) visa from the U.S. embassy or consulate in the home country to enter the United States to study.

International applicants will need various documents to support the visa application. They are advised to prepare carefully for the visit to the U.S. embassy or consulate. Visa procedures vary from one embassy /consulate to another, so it is best to check with the office where the applicant plans to apply to determine exactly what supporting documentation is required.

Several standard items are required for the student visa application. Same as the above-mentioned requirements depending on the program applying for, and including:

1. A passport valid for at least six months.
2. Form I-20, included with the acceptance packet.
3. School admission letter.
4. Completed visa applications (DS-156 or DS-160, DS-158 and, if applicable, DS-157. In most countries, applications are now available online).
5. Two 2-inch x 2-inch photographs in the prescribed format (see the Bureau of Consular Affairs' Nonimmigrant Visa Photograph Requirements).
6. A receipt for the visa application fee.
7. A receipt for the Student and Exchange Visitor Information System (SEVIS) fee. If you paid the fee electronically and have not received an official receipt in the mail showing payment, the consulate will accept the temporary receipt printed from your computer. If you do not have a receipt, the consulate may be able to see your payment electronically if your payment was processed at least three business days before your interview.
8. Financial evidence (original documents only) that shows you have sufficient funds to cover your tuition and living expenses during the period you intend to study.
9. Any information that proves that you will return to your home country after finishing your studies in the U.S. This may include proof of property, family, or other ties to your community.

Students transferring from a U.S. institution will use I-20 form to apply for transfer authorization through the Department of Homeland Security.

**Insurance Requirement**

Effective September 1, 2013, as a condition of receiving an I-20 form, all F-1 visa applicants must agree to obtain and maintain health insurance as a condition of registration and continued enrollment in AUHS. Such insurance must be in amounts as specified by the department of State and NAFSA: Association of International Educators. Further information may be obtained from Student Services and Affairs Office at AUHS.

## **BACHELOR OF SCIENCE IN NURSING**

### **LEADERSHIP**

Deborah Leveille, PhD, RN, CNL  
*Dean, School of Nursing*  
Arvin Torres, MD, MSN,BSN, RN  
*Assistant Director of Nursing*

### **SCHOOL OF NURSING FULL-TIME FACULTY**

Arvin Torres, MD, MSN,BSN, RN  
Bobbie Battle-Carter, MSN, RN-MS  
Deborah Leveille, PhD, RN, CNL  
Janet Kazibwe, MSN, BSN, PHN, RN-MS  
Marco Attenello, MSN, BSN, BA, RN  
Shetona Jordan, MSN, BSN, RN  
Victoria Abatay, MSN, ASN, RN

### **SCHOOL OF NURSING ADJUNCT FACULTY**

Audrey Bejo-Huerto, MSN, BSN, RN  
Barbara Thurn-Tamayo, DNP, APRN, FNP-C, CPN  
Jeany Yator, MSN, RN, MBA, HCA  
Jeffrey Lorenzo, MSN, BSN, RN, PHN, CPN  
Joan Johnson-Brown, MSN, RN  
Joy Kiat-Flor, MSN, RN  
Kathleen Pecora, MSN, BSN, ASN, RN  
Katia Studer, MSN, BSN, CNS, RN  
Lillian Wong, MSN, BSN, RN  
Mansoureh Abraham, MSN, ASN, RN  
Mari Carranza, MSN, BSN, RN  
Marithel Arambulo, MSN, ASN, RN  
Meerabi Narasimalu, DNP, FNP-C, MSN, PHN-C, RN  
Melissa Cebedo, DNP, MSN, RN  
Pedro Morante, DNP, MSN/FNP, BSN, RN  
Raulin Feria, RN, MSN, CPN, CCRN, PHN, CHEP  
Stella Turkson, PhD, MSN, RN  
Trenell Smith, MSN, BSN, RN  
Tu Thien Tran, MSN, MBA, BSN, RN  
Romar Lingad, MSN, RN  
Yin Ru, MSN, BSN, RN

### **SCHOOL OF NURSING CLINICAL SKILLS**

#### **ASSISTANT INSTRUCTORS**

Anthony Collazo, BSN, RN  
Brent Aspiras, BSN, RN  
Chen Sun, BSN, RN  
Christopher Rabadon, BSN, RN  
David Yoo, BSN, RN  
Debra Davison, BSN RN  
Delaney Castle, BSN, RN  
John Marie Justiniano, BSN, RN  
Julie Vo, BSN, RN  
Mikhael-Allen Santos, BSN, RN  
Maria Shearing, BSN, RN  
Sandra Mack, BSN, RN  
Susan Golian, BSN, RN

## **MISSION**

In alignment with the AUHS mission, School of Nursing (SON) prepares students to make a positive impact on society through the provision of competent, caring, and evidence-based nursing care to diverse patient populations. This mission is accomplished by recruiting and graduating diverse students, especially students from minority groups that are underrepresented in the nursing community and preparing them to deliver competent, culturally sensitive, caring, and evidence-based nursing services to all persons in need. The SON shares the core values of the University including a belief in Christian Values, a holistic approach to education, promotion of the intellectual, analytical, and critical thinking abilities of its students, evidence-based knowledge, and a commitment to teaching/learning, research, service, and scholarship.

## BACHELOR OF SCIENCE IN NURSING

Baccalaureate preparation in nursing is the basic educational level for entry into professional nursing practice. AUHS provides its students with the foundational education that includes both academic and professional nursing courses therefore providing a base for clinical competence and informed judgments about health and patient care in a variety of settings. These settings include, but are not limited to, home/community agencies, outpatient/ambulatory care, and hospital-based practice ranging from chronic to high acuity. Utilizing the *Essentials of Baccalaureate Education for Professional Nursing Practice* (AACN, 2008) as our foundation along with selected other guiding principles, our program builds upon knowledge acquired from the humanities and biological, physical, social, and behavioral sciences. By engaging in state-of-the-art technologies, a variety of clinical experiences, and other teaching strategies, the graduate is prepared to care for diverse families and individuals of all ages. The integration of principles of nursing research and principles of leadership and management also assist the graduate to function as an informed member of an interdisciplinary health team. Graduates of the program are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN) to become a registered nurse (RN).

The Bachelor of Science in Nursing (BSN) Program currently offers only one program option leading to a traditional Bachelor of Science (BSN) degree for beginning nurse generalists. Our program is fast track bachelor's program, allowing students to complete the program in less time than a four-year traditional college program. We admit and focus solely on educating entry level (pre-licensure) baccalaureate students, especially those from diverse cultural backgrounds who are typically underrepresented in the health care field. All pre-requisites and co-requisites can be taken at AUHS as the student matriculates through our program. Our program transitions the student from a concept of simple to more complexed concepts and care and a continuum of wellness to illness. The focus of our program is on direct alignment and supports the mission of the University in preparing beginning health-care practitioners who can appreciate and identify with racial and ethnically diverse populations especially as it relates to culturally competent care. Graduates of the BSN degree program are prepared as generalists able to assume responsibility for organizing, implementing and evaluating hospital, population, and/or community-based plans of nursing care for a highly complex and culturally diverse society.

The BSN program, in alignment with the [Commission on Collegiate Nursing Education \(CCNE\) Standards for Accreditation of Baccalaureate and Graduate](#)

[Nursing Programs \(amended 2018\)](#), and has identified program outcomes, including student outcomes, alumni outcomes, and faculty outcomes to evaluate the program's effectiveness. The student outcomes include program completion and employment rates, achievement of expected student learning outcomes, satisfaction with courses and instruction, and satisfaction with overall program effectiveness. The program outcomes are also aligned with the [Essentials of Baccalaureate Education for Professional Nursing Practice \(AACN, 2008\)](#). The alumni expected outcome addresses alumni satisfaction with overall program effectiveness in meeting expected student learning outcomes.

### Admissions

In addition to the university's general admissions requirements for baccalaureate degree (pg. 89) In order to transition into the BSN (nursing) program, students must:

1. Be accepted by the University
2. Take the TEAS examination and achieve a minimum score of 65%
3. Have taken the following four science courses and achieved a 2.5 or higher cumulative GPA (on a 4.0 scale: Chemistry 151 A & B; Biology 200A; Biology 200B; Microbiology 201
4. Have obtained a cumulative GPA of 2.5 or higher (on a 4.0 scale) of the following nine transferable college courses. These include: Chemistry 151A & B; Biology 200A; Biology 200B; Microbiology 201; English 101; Philosophy 160; Sociology 100; Psychology 100; Mathematics 110. In addition, a minimum of a grade of "C" or better must be achieved in the above nine listed courses.

### Transferring into the BSN Program See:

1. LVN 45 Unit Option
2. LVN Applicants

### Program Learning Outcomes (PLOs)

The expected objectives of the Bachelor of Science in Nursing program are to produce graduates who have the ability to:

1. Apply the theoretical and scientific underpinnings of nursing, biological and behavioral sciences, and humanities to the professional practice of nursing.
2. Incorporate the nursing process as a problem-solving tool of the nurse in assisting individuals, groups, and communities to attain, maintain and regain health.
3. Effect positive client/ patient outcomes through application of appropriate communication and teaching-learning theories, as well as advocating for the client/ patient needs and rights.
4. Develop, implement, modify, and evaluate a culturally appropriate plan of care, even when

client/ patient needs may differ from the nurses' personal values.

5. Utilize scientific processes, evidence-based practice, critical thinking, and professional judgment as integral parts of all decision-making.
6. Practice within professional standards, an ethical framework, and regulatory guidelines
7. Facilitate collaborative relationships with the client/ patient and members of the health team in the application of the nursing process and the delivery of health care.
8. Demonstrate basic competence in nursing research, leadership, and management consistent with an increasingly diverse and multicultural workforce and complex health care system.
9. Demonstrate knowledge of social, historical, and philosophical significance of the nursing profession.
10. Develop personal responsibility for ongoing professional growth and development including higher education in advanced practice nursing.
11. Influence health care systems and policy through professional involvement in nursing organizations and political activities.

#### KEY DOMAINS:

A = Cognitive Domain

B = Effective Domain

C = Psychomotor Domain

The 2008 AACN BSN nine Essentials are:  
<https://www.aacnnursing.org/Portals/42/Publications/BacEssentials08.pdf>

- I. Liberal Education for Baccalaureate Generalist Nursing Practice
- II. Basic Organizational and Systems Leadership for Quality Care and Patient Safety
- III. Scholarship for Evidence-Based Practice
- IV. Information Management and Application of Patient Care Technology
- V. Health Care Policy, Finance, and Regulatory Environments
- VI. Interprofessional Communication and Collaboration for Improving Patient Health Outcomes
- VII. Clinical Prevention and Population Health
- VIII. Professionalism and Professional Values
- IX. Baccalaureate Generalist Nursing Practice

Quality and Safety Education for Nurses (QSEN) Competencies Pre-Licensure Knowledge, Skills, and Attitudes (KSAS)

1. Patient-Centered Care
2. Teamwork and Collaboration
3. Evidence-Based Practice(EBP)

4. Quality Improvement (QI)
5. Safety
6. Informatics

#### Alignment

The mission of the SON is strongly aligned with the mission of the University and focuses on preparing students to make a positive impact on society through the provision of competent, caring and evidence-based nursing services to diverse patient populations. This mission is accomplished by preparing students from diverse ethnic backgrounds to deliver competent culturally sensitive evidence-based care to all persons in need. The School of Nursing robustly supports the core values of the University including a belief in God and the Christian values this represents, a holistic approach to education and patient care, promotion of the intellectual and analytical abilities of the student, professional practice based upon evidence, giving back to society as service to human-kind, and a self-commitment to life-long learning.

#### RN to BSN Program

The Registered Nurse to Bachelor of Science in Nursing (RN to BSN) degree program (post-licensure) is designed for working registered nurses (currently licensed in California) who aspire to develop professional skills needed to be agents of change in the 21st century. The degree instills advanced theories and skills that position graduates for a deeper level of patient care and greater roles of leadership within their profession.

The AUHS mission of the Registered Nurse (RN) to Bachelor of Science in Nursing (BSN) degree program (post-licensure) is to develop professional nursing leaders in all areas of practice who can apply new and/or past nursing knowledge and build upon existing competencies. The BSN Program (Pre-licensure and Post-Licensure) Program is designed to prepare nurse to function both independently and interdependently with other professionals in a wide variety of settings, and to meet present and future health care needs of society. The program is designed to articulate with community college programs and provide a baccalaureate completion program for licensed registered nurses with an associate degree in nursing or its equivalent.

The AUHS BSN program The BSN (Pre-licensure and Post- Licensure) Program emphasizes the practice of professional nursing including the design of nursing systems to provide assistance to individuals, families, groups, communities and populations who are unable to meet either self-care or dependent care needs without nursing intervention. Students are individuals already licensed by the state to practice as registered nurses who are seeking to advance their nursing knowledge and education. Baccalaureate education in nursing prepares for the practice of professional nursing in multiple sites and



with a variety of clientele. The curriculum provides students an opportunity to broaden their base of liberal education through Upper Division general education and elective courses.

- In addition, nursing courses will enhance knowledge of human development, assessment skills, theories of nursing, ethics, and current issues in the practice of professional nursing, community health, leadership, and research.
- The BSN Program (Pre-licensure and Post-Licensure) equips RNs with advanced skills and knowledge to care more thoroughly for patients and distinguishes them as capable leaders in many health care settings.
- Professors use students' experiences as the foundation upon which theory and practice are tested.
- Courses are designed to affirm personal and professional strengths.
- Nursing education provides the theoretical basis for nursing practice, emphasizing the essential interrelationship of theory, practice, policy, and research.
- Students in the program study in a cohort and progress through the entire program together.

### Program Learning Outcomes (PLOs) RN to BSN

Graduates of the Registered Nurse Bachelor of Science in Nursing (BSN) program will be able to:

1. Apply the theoretical and scientific underpinnings of nursing, biological and behavioral sciences, and humanities to the professional practice of nursing.
2. Incorporate the nursing process as a problem-solving tool of the nurse in assisting individuals, groups, and communities to attain, maintain and regain health.
3. Effect positive client/ patient outcomes through application of appropriate communication and teaching-learning theories, as well as advocating for the client/ patient needs and rights.
4. Develop, implement, modify, and evaluate a culturally appropriate plan of care, even when client/ patient needs may differ from the nurses' personal values.
5. Utilize scientific processes, evidence-based practice, critical thinking, and professional judgment as integral parts of all decision-making.
6. Practice within professional standards, an ethical framework, and regulatory guidelines
7. Facilitate collaborative relationships with the client/patient and members of the health team in

the application of the nursing process and the delivery of health care.

8. Demonstrate basic competence in nursing research, leadership, and management consistent with an increasingly diverse and multicultural workforce and complex health care system.
9. Demonstrate knowledge of social, historical, and philosophical significance of the nursing profession.
10. Develop personal responsibility for ongoing professional growth and development including higher education in advanced practice nursing.
11. Influence health care systems and policy through professional involvement in nursing organizations and political activities

### RN to BSN Program (Post-Licensure) Requirements

In addition to the university's general admissions requirements for baccalaureate degree, in order to be admitted to RN BSN program, students must:

1. Be a currently California Registered Nurse (RN) who has graduated from an accredited associate degree or diploma nursing program.
2. Have a minimum of 90 transferable quarter units from an accredited college or university with a minimum GPA of 2.0; and 55 elective quarter units offered at AUHS.
3. Submit sealed official transcripts from all schools attended.
4. Provide two letters of recommendation.
5. Submit copy of active RN license.

### RN-BSN Quarter Unit Requirements-Must be taken at AUHS

| Course Number      | Course Name                                    | Units     |
|--------------------|--|-----------|
| <b>QUARTER 9</b>   |  |           |
| Biology 230        | Pathophysiology                                | 4         |
| Nursing 220        | Physical Assessment                            | 4         |
| Nursing 220L       | Physical Assessment                            | 2         |
| Nursing 340        | Nursing Ethics                                 | 3         |
| <b>TOTAL UNITS</b> |  | <b>13</b> |
| <b>QUARTER 10</b>  |  |           |
| Nursing 390        | Professional Concepts in Nursing               | 3         |
| Statistics 415     | Statistics                                     | 4         |
| Nursing 400        | Community Health Science                       | 3         |
| Nursing 395        | Rendering Culturally Competent Care            | 3         |
| <b>TOTAL UNITS</b> |  | <b>13</b> |
| <b>QUARTER 10</b>  |  |           |
| Nursing 410        | Community Health Nursing Care                  | 4         |
| Nursing 410L       | Community Health Nursing Care Clinical Studies | 4         |
| Nursing 420        | Nursing Research                               | 4         |
| <b>TOTAL UNITS</b> |  | <b>12</b> |
| <b>QUARTER 10</b>  |  |           |
| Nursing 430        | Leadership & Management in Nursing             | 3         |

|                    |   |           |
|--------------------|---|-----------|
| Nursing 430L       | Leadership & Management in Nursing Clinical Studies | 3         |
| <b>TOTAL UNITS</b> |   | <b>6</b>  |
| <b>TOTAL</b>       |   | <b>44</b> |

Total Quarter Credit Units Awarded is 44 with possible 145 transferrable units for a total of 189 Credit Units for Bachelor of Science in Nursing (BSN) Degree.

Have a minimum of 90 transferable quarter units from an accredited college or university and 55 elective quarter units offered at AUHS towards earning a total of 189 quarter credits to be awarded a degree of Bachelor of Science in Nursing (BSN).

| <b>90 TRANSFERRABLE QUARTER UNIT COURSES</b> |   |                             |
|--|---|-----------------------------|
| <b>COURSE NUMBER</b>                         | <b>COURSE NAME</b>                                      | <b>QUARTER CREDIT UNITS</b> |
| Biology 200A & AL                            | Human anatomy with Laboratory                           | 4                           |
| Biology 200B & BL                            | Human Physiology with Laboratory                        | 4                           |
| Mathematics 110                              | Quantitative Reasoning                                  | 4                           |
| English 101                                  | English College Composition                             | 4                           |
| Microbiology 201                             | Microbiology with Laboratory                            | 4                           |
| Philosophy 160                               | Critical Thinking                                       | 4                           |
| N250   | Introduction to Nursing Care                            | 4                           |
| N250L  | Introduction to Nursing Health Care Clinical Studies    | 4                           |
| N300   | Older Adult Health Nursing Care                         | 3                           |
| N300L  | Older Adult Health Nursing Care Clinical Studies        | 3                           |
| N330   | Intermediate Nursing Health Care                        | 4                           |
| N330L  | Intermediate Nursing Health Care Clinical Studies       | 5                           |
| N350   | Child Health Nursing Care                               | 4                           |
| N350L  | Child Health Nursing Care Clinical Studies              | 4                           |
| N360   | Women's Health Nursing Care                             | 4                           |
| N360L  | Women's Health Nursing Care Clinical Studies            | 4                           |
| N370   | Psychiatric/Mental health Nursing Care                  | 4                           |
| N370L  | Psychiatric/Mental Health Nursing Care Clinical Studies | 4                           |
| N380   | Critical Care Nursing                                   | 4                           |
| N380L  | Critical Care Nursing Health Care Clinical Studies      | 5                           |
| N470   | Advanced Adult Nursing Health Care                      | 5                           |
| N470L  | Advanced Adult Nursing Health Care Clinical Studies     | 5                           |
| <b>TOTAL</b>                                 |   | <b>90</b>                   |

| <b>55 UNITS ELECTIVE COURSES</b> |   |                             |
|----------------------------------|---|-----------------------------|
| <b>COURSE NUMBER</b>             | <b>COURSE NAME</b>                                | <b>QUARTER CREDIT UNITS</b> |
| Chemistry 151 A&B                | General Organic and Bio-Chemistry with Laboratory | 4                           |
| Chemistry 151 A&BL               | General Organic and Bio-Chemistry with Laboratory | 2                           |
| Sociology                        | Sociology   | 4                           |
| Communications 150               | Oral communications & Public Speech               | 4                           |
| Anthropology 250                 | Cultural Anthropology                             | 4                           |
| Art 200                          | Medical Illustration I                            | 3                           |
| Art 300                          | Medical Illustration II                           | 3                           |
| English 207                      | Creative Writing                                  | 4                           |
| History 101                      | American History and Constitution                 | 4                           |
| Philosophy 304                   | Ethics  | 4                           |
| Political Science 1901           | American Political Institution                    | 4                           |
| N460                             | Transition to Professional Practice               | 2                           |
| N310                             | Human Life Cycle                                  | 3                           |
| Pharmacology 210                 | Clinical Pharmacology                             | 3                           |
| Nutrition 230                    | Nutrition   | 3                           |
| Psychology 100                   | Psychology  | 4                           |
| <b>TOTAL</b>                     |   | <b>55</b>                   |

### RN to BSN Program Information

Program Length.....12 Months  
 Quarters.....4 Quarters  
 Units.....44 Units  
 Clock Hours.....620

The formula used to calculate the number of QUARTER CREDIT units  
 FOR LECTURE.....One Credit = 10 Lecture Hours  
 FOR LABORATORY.....One Credit = 20 Laboratory Hours  
 FOR EXPERIENTIAL.....One Credit = 30 Practicum Hours

#### Instructional Clock Hours to Credit Conversion

A "clock (Contact) hour" includes a minimum instructional time of 50 minutes of supervised or directed instruction and appropriate break(s).

### Graduation Requirements

1. In addition to the requirements for the nursing major, all students in the college follow the "pattern of degree requirements" in the AUHS Catalog. The minimum requirement for graduation is 189 quarter credit units of prescribed Bachelor's degree courses.
2. Completion of course requirements within 12 months of entrance to the program.
3. Students must complete all coursework, examinations, and clinical experiences with a

cumulative grade point average of 2.0 or a letter grade of C or higher and a nursing grade point average of

4. Complete at least 100 clock hours of community service in university sponsored community driven initiatives.
5. Each BSN nursing student is required to maintain a portfolio showcasing their work, education, and learning experiences while attending the AUHS Nursing Program. This Portfolio will reflect the AACN CCNE Baccalaureate Essentials as well as selected additional content. Refer to Portfolio Content Guidelines. Successful completion of the Student Portfolio is contingent upon the maintenance of the Portfolio throughout the nursing program and will be used as a basis for evaluation and to provide.
6. All financial obligations to the university are paid in full.

#### LVN 45 Unit Option

1. The LVN 45 Unit Option is mandated by California Administrative Code, Title 16, Article 3, Section 1429. California law for nurses requires that every school make possible the award of credit to make it possible for a LVN to receive enough credit to sit for the RN-NCLEX examination in the state of California. The LVN 45-unit option was designed as a career ladder for California Licensed Vocational Nurses (LVN) wishing to become registered nurses. While most states do not recognize California's LVN 30- or 45-Unit Options and will not issue RN licenses to these LVNs, the Board of Nursing (BRN) in California mandates that every California school make the option available to licensed vocational nurses (LVNs). The number of units (30 or 45) depends on quarter or semester options. AUHS is on a quarter unit system and therefore a 45-unit option is mandated by law.
2. The applicant must be a licensed vocational nurse in the state of California.
3. Course work will be evaluated to determine transfer status in clinical nursing classes.
4. The L.V.N. may elect to complete a 45-unit option to become eligible to sit for the State Board RN licensure exam, or NCLEX-RN. The LVN may be awarded credit for 17 units of lower division nursing following assessment of their transcripts. Following admission, the student electing this option must complete the following 45-unit option program consisting of the following courses:

| Course Number           | Course Name                            | Units     |
|-------------------------|--|-----------|
| Biology 200A & 200AL    | Human Anatomy with Laboratory          | 4         |
| Biology 200B & 200BL    | Human Physiology with Laboratory       | 4         |
| Microbiology 201 & 201L | Microbiology with Laboratory           | 4         |
| N310                    | Human Life Cycle                       | 3         |
| N300 & 300L             | Older Adult Health Nursing Care        | 6         |
| N370 & 370L             | Psychiatric/Mental Health Nursing Care | 8         |
| N380 & 380L             | Critical Care Nursing                  | 8         |
| N430 & 430L             | Basic Leadership/Management Nursing    | 6         |
| N460                    | Transition to Professional Practice    | 2         |
| <b>TOTAL</b>            |  | <b>45</b> |

Critical thinking, decision making and the development, implementation, and evaluation of care plans for the client/patient populations encountered during the practice of safe and competent nursing as a licensed RN in California must master the content found in these courses. These courses may be challenged by these students selecting these options.

Any nurse considering the LVN 45-Unit Option is required to meet with the Dean/Director or the Asst. Dean/Asst. Director to discuss this option and constraints associated with this choice prior to beginning any course work at AUHS.

Please note for Students Considering this Option: Completion of this course work does not fulfill all requirements for a baccalaureate degree in nursing and the student is NOT considered a graduate of the nursing program. Students are admitted to this option on a space-available basis only.

*\*For information and assistance regarding entrance, the applicant is invited to contact the Office of Admissions.*

#### LVN Applicants (to the BSN Program)

In order to be eligible for review, applicants must:

1. Be a graduate from an accredited L.V.N. program and hold a current L.V.N. license for the 45-unit option. Applicants must submit a photocopy of L.V.N. license.
2. Be accepted by the University.
3. Complete the application including the required essay.

4. Submit two recommendations on the form provided.
5. Failure of two (2) required nursing courses, either the same course or two (2) separate courses, will result in non- admission.
6. Demonstration of English competency (for foreign students only) on the TOEFL (Test of English as a Foreign Language), or on the paper-based test, or on the CBT (Computer based total), or on the IBT (Internet Based Test).
7. Complete the general education courses listed below with a “C” or better grade. Courses must be college transferable.

|                            |       |   |
|----------------------------|-------|---|
| Chemistry 151 A&B- 151A&BL | ----- | General, Organic and Biochemistry with Laboratory |
| Biology 200A & 200AL       | ----- | Human Anatomy with Laboratory                     |
| Biology 200B & 200BL       | ----- | Human Physiology with Laboratory                  |
| Philosophy 160             | ----- | Critical Thinking                                 |
| Microbiology 201 & 201L    | ----- | Microbiology with Laboratory                      |
| Sociology 100              | ----- | Sociology   |
| English 101                | ----- | English Composition I                             |
| Psychology 100             | ----- | Psychology  |
| Mathematics 110            | ----- | Quantitative Reasoning                            |

### LVN Challenge Exams

(For LVNs wishing to receive the BSN and write the NCLEX, the following option is allowed if the applicant meets the following):

- Current licensure as a Licensed Vocational Nurse (LVN) in the State of CA with good standing.
- Documentation of recent nursing practice experience, a minimum of one (1) year, full-time employment as an LVN.
- Submit Credit by Examination Form (application to challenge) to the Office of Students Services at AUHS 2 weeks prior to the start of the nursing (BSN) program.
- You may download the Credit by Examination Form (application to challenge) at <https://www.auhs.edu/campus/student-services/student-forms/>
- You must have purchased ATI, and have it activated.

### Courses Available for Challenge

- A. N250/N250L: Introduction to Nursing Health Care (8 quarter units)
- B. Pharmacology 210: Clinical Pharmacology (3 quarter units)

### Tests Required

Challenge testing includes an assessment of content contained within the most updated didactic course as well as clinical skills, if applicable. Students should review the content prior to the challenge examination.

- A. National League for Nursing (NLN) – NURSING ACCELERATION CHALLENGE EXAMS AND ACHIEVEMENT TESTS (NACE) specific for the course.
- B. ATI Fundamentals for Nursing proctored examination
- C. Nursing Skills demonstration and examination associated with N250/250L, Introduction to Nursing Health Care

Details about the NLN test are located at

<http://www.nln.org/>

### Performance Scoring

- A. NLN NACE exam: 78%
- B. ATI Fundamentals proctored exam: Level II
- C. Clinical Demonstration and Skills examination: 78%

A passing score on all components of the challenge examination allows the student to receive credit for the course. If unsuccessful, the student is required to take the full course including all quizzes, tests, papers, and other assignments. Candidates for the challenge process have the option of scheduling the examinations in such a way that if unsuccessful, subsequent enrollment in the course is possible. Challenge examinations must be completed prior to the first day of class.

Course credit will be granted upon successful completion of the challenge exam. Courses may be challenged one time only at the cost of \$500/subject (non-refundable).

Read more:

<https://careertrend.com/list-6636128-requirements-challenge-lvn-nursing-board-.html>

### General Education Course Requirements

Course Listing for Other Required General Education Courses

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|                            |                                       |
|----------------------------|---------------------------------------|
| Biology 230.....           | Pathophysiology                       |
| Sociology 100.....         | Sociology                             |
| Economics 302.....         | Macro Economics                       |
| Economics 202.....         | Micro Economics                       |
| Communications 150.....    | Oral Communications and Public Speech |
| Anthropology 250.....      | Cultural Anthropology                 |
| Art 200.....               | Medical Illustration I                |
| Art 300.....               | Medical Illustration II               |
| Statistics 415.....        | Statistics                            |
| Political Science 101..... | American Political Institutions       |
| English 207.....           | Creative Writing                      |

|                     |  |
|---------------------|--|
| History 101.....    | American History and<br>the Constitution |
| Philosophy 304..... | Ethics                                   |

A maximum of 72-quarter units earned in an accredited institution will be allowed towards the units required for graduation. Neither upper division credit nor credit for professional education courses is allowed for community college work.

### Program Learning Outcomes (PLOs)

Graduates of the Bachelor of Science in Nursing program will be able to:

- apply the theoretical and scientific underpinnings of nursing, biological and behavioral sciences, and humanities to the professional practice of nursing
- incorporate the nursing process as a problem-solving tool of the nurse in assisting individuals, groups and communities to attain, maintain and regain health
- effect positive client/patient outcomes through application of appropriate communication and teaching-learning theories, as well as advocating for the client/patient needs and rights
- develop, implement, modify and evaluate a culturally appropriate plan of care, even when client/patient needs may differ from the nurses' personal values
- utilize scientific processes, evidence-based practice, critical thinking and professional judgment as integral parts of all decision-making
- practice within professional standards, an ethical framework, and regulatory guidelines
- facilitate collaborative relationships with the client/patient and members of the health team in the application of the nursing process and the delivery of health care
- demonstrate basic competence in nursing research, leadership and management consistent with an increasingly diverse and multicultural workforce and complex health care system
- demonstrate knowledge of social, historical and philosophical significance of the nursing profession
- develop personal responsibility for ongoing professional growth and development including higher education in advanced practice nursing
- influence health care systems and policy through professional involvement in nursing organizations and political activities

### Program Requirements

This undergraduate program is open to high school graduates/transfer students who are interested in becoming Registered Nurses after successfully passing NCLEX.

### Graduation Requirements for Bachelor of Science in Nursing

1. In addition to the requirements for the nursing major, all students in the college follow the "pattern of degree requirements" in the AUHS Catalog. The minimum requirement for graduation is 189 quarter credit units of prescribed Bachelor's degree courses.
2. Completion of course requirements within 4 ½ years of entrance to the program.
3. Students must complete all coursework, examinations and clinical experiences with a cumulative grade point average of 2.00 or a letter grade of C or higher and a nursing grade point average of 2.5 or a letter grade of C+.
4. Develop a poster on a research question on health care and present at a Poster Session.
5. Complete at least 100 clock hours of community service in university sponsored community driven initiatives.
6. Pass the ATI Comprehensive Test with a minimum raw score of 75.3% or higher. (note: The raw score value may be changed if the ATI score equivalent to NCLEX passing rates or the score requirement for passing the NCLEX exam is changed.)
7. Each BSN nursing student is required to maintain a portfolio showcasing their work, education, and learning experiences while attending the AUHS Nursing Program. This Portfolio will reflect the AACN CCNE Baccalaureate Essentials as well as selected additional content. Refer to Portfolio Content Guidelines. Successful completion of the Student Portfolio is contingent upon the maintenance of the Portfolio throughout the nursing program, and will be used as a basis for evaluation and to provide evidence of growth. A satisfactory completed portfolio is a requirement for graduation from the program.
8. To be recommended to the California Board of Registered Nursing (BRN) to take the licensure exam as a Registered Nurse, students must successfully complete the RN Prelicensure Certification Requirements. The results of this RN Licensure Certification Requirements will not impact the conferring of the bachelor's degree.
9. Students are eligible for graduation upon completion of all the University and School of Nursing program requirements.
10. All financial obligations to the university are paid in full. Requirement for Licensing in the Program Career Field

There are numerous eligibility requirements for licensure depending on the student's field of study. Regulations vary

from state to state, and students are encouraged to carefully read the requirements and conduct further research.

Nursing career field: <https://www.rn.ca.gov/>

### Occupational Options for Nursing Graduates

For information about possible occupations for graduates of Bachelor of Science in Nursing program, please refer to: <http://auhs.edu/about-auhs/student-consumerinformation/>

### General Education Program Learning Outcomes (PLOs)

- **Written Communication.** Demonstrate the ability to communicate with others using written communication clearly and appropriately in writing for a range of social, academic, and professional contexts and use appropriate writing technologies.
- **Oral Communication.** Demonstrate competence in utilizing oral communication skills appropriately to a variety of social, academic, and professional audiences.
- **Critical Thinking.** Employ critical thinking and reasoning skills to a broad understanding of creative problem- solving techniques to define their own perspectives and positions and evaluate the implications and consequences of their conclusions.
- **Information Literacy.** Demonstrate the ability to locate, interpret, determine the credibility of, and use information effectively to ethically and responsibly use and share that information.
- **Quantitative Reasoning.** Exhibit analytical thought and informed judgment to analyze problems and identify solutions supported by quantitative evidence; and clearly communicate those arguments in a variety of formats as necessary and appropriate.
- **Ethical and Social Responsibility.** Demonstrate personal and professional ethical and social responsibility in the application of best practices to understand the ethical implications of their actions based on those values as well as the principles of human behavior and social interaction.
- **Humanities and The Arts.** Gain greater awareness, by being able to apply theory to an understanding of how social, cultural, linguistic, artistic, religious, philosophical, and historical contexts have shaped the thoughts and actions of people worldwide.
- **Life Sciences.** Apply the knowledge of life sciences to understand basic concepts of living things, the nature of scientific knowledge, and relevance of biological knowledge to human affairs.

### Required General Education Courses

| Course Number                           | Course Name                                       | Quarter Credit Units |
|---|---|----------------------|
| Anthropology 250                        | Cultural Anthropology                             | 4                    |
| Art 200                                 | Medical Illustration I                            | 3                    |
| Art 300                                 | Medical Illustration II                           | 3                    |
| Biology 200A & 200AL                    | Human Anatomy with Laboratory                     | 4                    |
| Biology 200B & 200BL                    | Human Physiology with Laboratory                  | 4                    |
| Chemistry 151 A&B<br>Chemistry 151 A&BL | General, Organic and Biochemistry with Laboratory | 6                    |
| Communications 150                      | Oral Communications & Public Speech               | 4                    |
| English101                              | English CollegeComposition I                      | 4                    |
| English 207                             | Creative Writing                                  | 4                    |
| History 101                             | American History & Constitution                   | 4                    |
| Mathematics 110                         | Quantitative Reasoning                            | 4                    |
| Microbiology 201 & 201L                 | Microbiology with Laboratory                      | 4                    |
| Philosophy 160                          | Critical Thinking                                 | 4                    |
| Political Science101                    | American Political Institutions                   | 4                    |
| Psychology 100                          | Psychology  | 4                    |
| Sociology 100                           | Sociology   | 4                    |
| <b>TOTAL</b>                            |   | <b>64</b>            |

### Other Require Courses

| Course Number    | Course Name           | Quarter Credits |
|------------------|-----------------------|-----------------|
| Biology 230      | Pathophysiology       | 4               |
| Nutrition 230    | Nutrition             | 3               |
| Pharmacology 210 | Clinical Pharmacology | 3               |
| Philosophy 304   | Ethics                | 4               |
| Statistics 415   | Statistics            | 4               |
| <b>TOTAL</b>     |                       | <b>18</b>       |

### Nursing Theory and Clinical Courses (CORE Courses)

| Course Number | Course Name                                       | Quarter Credits |
|---------------|---|-----------------|
| N220          | Physical Assessment                               | 4               |
| N220L         | Physical Assessment Laboratory                    | 2               |
| N250          | Introduction to Nursing Health Care               | 4               |
| N250L         | Intro to Nursing Health Care Clinical Studies     | 4               |
| N260          | Health Care Communications                        | 3               |
| N300          | Older Adult Health Nursing Care                   | 3               |
| N300L         | Older Adult Health Nursing Care Clinical Studies  | 3               |
| N310          | Human Life Cycle                                  | 3               |
| N320          | Psychosocial Aspects of Health Care               | 3               |
| N330          | Intermediate Nursing Health Care                  | 4               |
| N330L         | Intermediate Nursing Health Care Clinical Studies | 5               |

|              |   |            |
|--------------|---|------------|
| N340         | Legal and Ethical Aspects of Health Care                | 3          |
| N350         | Child Health Nursing Care                               | 4          |
| N350L        | Child Health Nursing Care Clinical Studies              | 4          |
| N360         | Women's Health Nursing Care                             | 4          |
| N360L        | Women's Health Nursing Care Clinical Studies            | 4          |
| N370         | Psychiatric/Mental Health Nursing Care                  | 4          |
| N370L        | Psychiatric/Mental Health Nursing Care Clinical Studies | 4          |
| N380         | Critical Care Nursing                                   | 4          |
| N380L        | Critical Care Nursing Clinical Studies                  | 5          |
| N400         | Community Health Science                                | 3          |
| N410         | Community Health Nursing Care                           | 4          |
| N410L        | Community Health Nursing Care Clinical Studies          | 4          |
| N420         | Nursing Research  | 4          |
| N430         | Basic Leadership/Management Nursing                     | 3          |
| N430L        | Basic Leadership/Management Nursing Clinical Studies    | 3          |
| N460         | Transition to Professional Practice                     | 2          |
| N470         | Advanced Adult Nursing Health Care                      | 5          |
| N470L        | Advanced Adult Nursing Health Care Clinical Studies     | 5          |
| <b>TOTAL</b> |   | <b>107</b> |

*Note: Courses may be taught in a sequence that differs from the order represented above.*

**BSN PROGRAM INFORMATION (Without Pre-Req.)**  
(CIP 51.3801; SOC 29-1141)

Program Length.....39 Months  
 Quarters.....13 Quarters  
 Units.....189 Units  
 Clock Hours.....2760

**BSN PROGRAM INFORMATION (With Pre-Req.)**

Program Length.....30 Months  
 Quarters.....10 Quarters  
 Units.....151 Units  
 Clock Hours.....2370

*Instructional Clock Hours to Credit Conversion*

A "clock (Contact) hour" includes a minimum instructional time of 50 minutes of supervised or directed instruction and appropriate break(s).

*The formula used to calculate the number of QUARTER CREDIT units*  
 FOR LECTURE.....One Credit = 10 Lecture Hours  
 FOR LABORATORY.....One Credit = 20 Laboratory Hours  
 FOR EXPERIENTIAL.....One Credit = 30 Practicum Hours

## BACHELOR OF SCIENCE IN NURSING COURSE DESCRIPTIONS

### Required Core Competencies

- **WRITTEN COMMUNICATION.** Demonstrate the ability to communicate with others using written communication clearly and appropriately in writing for a range of social, academic, and professional contexts and use appropriate writing technologies.
- **ORAL COMMUNICATION.** Demonstrate competence in utilizing oral communication skills appropriately to a variety of social, academic, and professional audiences.
- **CRITICAL THINKING.** Employ critical thinking and reasoning skills to a broad understanding of creative problem-solving techniques to define their own perspectives and positions and evaluate the implications and consequences of their conclusions.
- **INFORMATION LITERACY.** Demonstrate the ability to locate, interpret, determine the credibility of, and use information effectively to ethically and responsibly use and share that information.
- **QUANTITATIVE REASONING.** Exhibit analytical thought and informed judgment to analyze problems and identify solutions supported by quantitative evidence; and clearly communicate those arguments in a variety of formats as necessary and appropriate.
- **ETHICAL AND SOCIAL RESPONSIBILITY.** Demonstrate personal and professional ethical and social responsibility in the application of best practices to understand the ethical implications of their actions based on those values as well as the principles of human behavior and social interaction.
- **HUMANITIES AND THE ARTS.** Gain greater awareness, by being able to apply theory to an understanding of how social, cultural, linguistic, artistic, religious, philosophical, and historical contexts have shaped the thoughts and actions of people worldwide.
- **LIFE SCIENCES.** Apply the knowledge of life sciences to understand basic concepts of living things, the nature of scientific knowledge, and relevance of biological knowledge to human affairs.

## REQUIRED GENERAL EDUCATION COURSES

### ANTHROPOLOGY 250: Cultural Anthropology (4 credit units/40 Clock Hours)

This course is an exploration of the origin and development of the human species, heredity and population genetics, and diversity. Through study of the origin and development of human cultures will describe material cultures as well as social organization. Content includes political systems, religious beliefs and insights gained through linguistic study.

### ART 200: Medical Illustration I (3 credit units/30 clock hours)

This course will introduce the student to art as a form of communication. The focus will be on drawing and the introduction of foundation art techniques. The knowledge and skill acquired is related to enhanced assessment and visualization as part of the communication process. The course will enable the students to apply a unique mix of skills in project management, understanding of science and breaking medical technologies, as well as the fundamentals of art, animation, design, and Web development.

### ART 300: Medical Illustration II (3 credit units/ 30 clock hours)

Literally the term 'illustrations' can be defined as any kind of visualization such as painting, drawing or photograph or other kind of art form that depicts or elaborates a story or a particular story poem of textual information. The Art 300 course is a continuation of Art 200 which will introduce the student to art as a form of communication. The course will enable the student to articulate a unique mix of skills in project management, understanding of science and breaking medical technologies, as well as the fundamentals of art, animation, design, and Web development. **\*Pre-requisite: ART 200: Medical Illustration**

### BIOLOGY 200 A: Human Anatomy (3 credit units/30 Clock Hours)

This course provides a comprehensive study of the structure and functions of the human body through analysis of the body systems. The student will progress from the cellular structure and function of each system to homeostatic mechanisms among all systems and the external environment.

### BIOLOGY 200 A L: Human Anatomy – Laboratory (1 credit units/20 Clock Hours)

Lab portion of the Biology 200A: Human Anatomy

### BIOLOGY 200 B: Human Physiology (3 credit units/30 Clock Hours)

This course provides students with an understanding of the basic principles and concepts of cellular and organ system physiology and pathophysiology. The course will include an introduction to the chemistry and metabolism of

biological molecules including carbohydrates, lipids, amino acids, proteins, and nucleic acids, and coverage of vitamins and their components, with emphasis on their relationship to disease states and drug therapy. The biological basis of common clinical disease states is also examined. Pathophysiology is described as a disruption of normal homeostatic mechanisms that progresses beyond the normal compensatory capabilities of the human body.

### BIOLOGY 200 B L: Human Physiology - Laboratory (1 credit units/20 Clock Hours)

Lab portion of the Biology 200 B: Human Physiology

### BIOLOGY 230: Pathophysiology (4 credit units/ 40 Clock Hours)

This course explores the response of the human body to illness and injury with respect to common disorders of the major physiologic systems. Clinical correlations are provided to assist the health professional in applying this knowledge toward proposing therapeutic interventions.

**\*Prerequisite: BIOLOGY 200A; BIOLOGY 200B**

### CHEMISTRY 151 A & B: General, Organic and Biochemistry (4 credit units/40 clock hours)

This course is a descriptive course in inorganic and organic chemistry. Basic laws and chemical calculations are stressed with an emphasis on theory and technique of qualitative analysis. Organic chemistry includes the exploration of the principles underlying the chemistry of living systems providing an introduction to the chemistry of bioenergetics, metabolism, biosynthesis, and molecular physiology.

### CHEMISTRY 151 A & B L: General, Organic and Bio-Chemistry - Laboratory (2 credit units/40 clock hours)

Lab portion of the Chemistry 151 A & B: General, Organic and Biochemistry.

### COMMUNICATIONS 150: Oral Communications & Public Speech (4 credit units/40 Clock Hours)

This course is an introduction to effective oral communication through study and experiences in analysis, synthesis, and presentation of informative and persuasive discourse in a public speaking forum.

### ENGLISH 101: English College Composition I (4 credit units/40 Clock Hours)

This is a foundation course in critical reading and writing skills required for university studies. This course focuses equally on writing and critical reading of a diverse variety of literature; preparation of research papers in which students accurately, clearly, and coherently synthesize ideas and information from a variety of sources and points of view.

### ENGLISH 207: Creative Writing (4 credit units/40 Clock Hours)

A beginning creative writing workshop that introduces students to techniques of imaginative writing in fiction,



poetry, and drama in a constructive workshop setting that includes analysis of published literary works.

#### **HISTORY 101: American History & the Constitution** (4 credit units/ 40 Clock Hours)

A survey of United States history from the Colonial Period to the present emphasizing major political, social, economic, and cultural developments.

#### **MATHEMATICS 110: Quantitative Reasoning** (4 credit units/40 Clock Hours)

Principles of quantitative reasoning, data presentation, descriptive statistics, correlation, probability, distributions of random variables, sampling distributions, interval estimation, and statistical inference, with multi-disciplinary applications.

#### **MICROBIOLOGY 201: Microbiology** (3 credit units/30 Clock Hours)

This course introduces the fundamental principles of microbiology, including general aspects of the structure, metabolism, multiplication, genetics and classification of bacteria, fungi, protozoa, and viruses; the methods used to control these microorganisms, the human body's natural defense mechanisms, and selected microbial pathogens.

#### **MICROBIOLOGY 201 L: Microbiology - Laboratory** (1 credit units/20 Clock Hours)

Lab portion of the Microbiology 201: Microbiology

#### **NUTRITION 230: Nutrition** (3 credit units/30 Clock Hours)

This course covers the basic nutritional needs of the body and the processes of metabolism, defining and contrasting catabolism and anabolism, and metabolic roles of carbohydrates, fats, proteins, vitamins, and minerals. Considerable emphasis will be placed on alterations in metabolism and/or nutritional needs based on specific diseases, including diet therapy, evolving science and trends.

#### **PHARMACOLOGY 210: Clinical Pharmacology** (3 credit units/30 Clock Hours)

This course is an introduction to the basic principles of pharmacology with a focus on pharmacokinetics, pharmacodynamics, and therapeutic implications for major drug categories as well as natural products, including principles of medication administration.  
**\*Prerequisite: Chemistry 151A & B; Biology 200A & Lab; Biology 200B & Lab**

#### **PHILOSOPHY 160: Critical Thinking** (4 credit units/40 Clock Hours)

This course presents a logical analysis of language and critical evaluation of arguments in everyday language; deductively valid and invalid argument forms; rudiments of inductive logic and scientific reasoning; informal fallacies.

#### **PHILOSOPHY 304: Ethics** (4 credit units/40 Clock Hours)

This course utilizes analysis of empirical and normative factors involved in choice, types of ethical theory, and the nature of moral standards and judgments. Application of concepts will occur through investigation of value theories in philosophies of Eastern and Western cultures with emphasis on relevance to educational, aesthetic, religious and social problems.

**\*Prerequisite: English – College Composition**

#### **POLITICAL SCIENCE 101: American Political Institutions** (4 credit units/40 Clock Hours)

A study of national, state, and local governments, national and state constitutions, the rights and responsibilities of citizens, and the political processes, issues, and policies of those governments.

#### **PSYCHOLOGY 100: Psychology** (4 credit units/40 Clock Hours)

This course provides a general survey of psychology including development of the individual, learning, thinking, motivation, emotion, and perception.

#### **SOCIOLOGY 100: Sociology** (4 credit units/40 Clock Hours)

This course is a survey of the theories, philosophies, and problems of sociology, analyzing human relationships through a study of concepts, institutions, cultural origins, and social interaction and change.

#### **STATISTICS 415: Statistics** (4 credit units/40 Clock Hours)

This course includes development and application of the following topics: Descriptive and Inferential Statistics, Mathematics of Finance, Linear Programming and Graph Theory.

### **REQUIRED NURSING THEORY AND CLINICAL COURSES**

#### **N220: Physical Assessment** (4 credit units/40 Clock Hours)

This course covers the techniques of history taking and physical examination of healthy individuals. The nurse uses these techniques when gathering and ordering data to identify patient health problems.

**\*Prerequisite: Chemistry 151 A & B; Biology 200A; Biology 200B; Philosophy 160; Microbiology 201; Sociology 100; English 101; Psychology 100; Mathematics 110 \*Co-requisite: N220L**

#### **N220L: Physical Assessment Laboratory** (2 credit units/60 Clock Hours)

This course covers the techniques of history taking and physical examination of healthy individuals. The nurse uses these techniques when identifying patient problems. It includes demonstration and practice of physical assessment

techniques with return demonstration to assess student competency.

**\*Prerequisite:** *Chemistry 151 A & B; Biology 200A; Biology 200B; Philosophy 160; Microbiology 201; Sociology 100; English 101; Psychology 100; Mathematics 110.* **\*Co-requisite:** *N220*

#### **N250: Introduction to Nursing Health Care** (4 credit units/40 Clock Hours)

This course allows the student to gain an understanding of nursing, develop the concepts of wellness and self-care, culture and blend the foundational knowledge during the process of assessing the client patient. It also provides an introduction to physical and social science principles, which provide the basis for beginning level theory and practice. **\*Prerequisite:** *N220; N220L*

**\*Co-Requisites:** *N250L; N260*

#### **N250L: Introduction to Nursing Health Care Clinical Studies** (4 credit units/120 Clock Hours)

This course is designed to provide guided utilization of beginning level knowledge and skill in simulation laboratory and some direct patient encounters. The student will have an opportunity to experience clinical practice based on the concepts of the nursing process and the framework for nursing practice.

**\*Prerequisite:** *N220; N220L* **\*Co-requisites:** *N250; N260*

#### **N260: Health Care Communication** (3 credit units/30 Clock Hours)

This course offers an introduction to understanding of the psychosocial and cultural factors, which influence the responses to the health professional-client interaction. Primary focus is on communication theory, helping modes and communication with diverse people. Clinically oriented simulated projects and activities provide opportunities for application of theory.

**\*Prerequisite:** *N220; N220L.* **\*Co-requisites:** *N250; N250L*

#### **N300: Older Adult Health Nursing Care** (3 credit units/30 Clock Hours)

This course is a study of the delivery of optimum health care to the aging client within a nursing framework within the nursing process. Emphasis is on understanding the unique needs of the aging population, encouraging health promotion and self-care, identifying variable responses of elderly clients to pathological conditions, and maintaining a level of function that promotes quality of life.

**\*Prerequisite:** *N250; N250L; N260.* **\*Co-requisites:** *N300L; N320*

#### **N300L: Older Adult Health Nursing Care Clinical Studies** (3 credit units/90 Clock Hours)

This clinical course provides the student with experience in applying the nursing process to the care of aging clients in a variety of settings. The opportunity for validation of gerontological concepts, principles and theories will also

be part of the clinical experience in select settings.

**\*Prerequisite:** *N250; N250L; N260.* **\*Co-requisites:** *N300; N320*

#### **N310: Human Life Cycle** (3 credit units/30 Clock Hours)

This course entails the study and application to nursing of the physiological, social, intellectual, and emotional development of persons as individuals and as family members from young adulthood through old age.

**\*Prerequisite:** *N250; N250L; N260*

#### **N320: Psychosocial Aspects of Health Care** (3 credit units/30 Clock Hours)

This course presents an exploration of psychosocial concepts, cultural and environmental factors relative to wellness-illness of individuals and family groups with special attention to physically ill individuals. Groups' interaction is directed toward development of self-awareness as well as development of the professional role.

**\*Prerequisite:** *N250; N250L; N260*

**\*Co-requisites:** *N300; N300L*

#### **N330: Intermediate Nursing Health Care** (4 credit units/40 Clock Hours)

This course offers the development of intermediate level theory of wellness and illness during direct patient assessment and intervention. Foundational sciences, knowledge and skill are applied to the nurse-patient interactions and their instability of health and exacerbations of illness. Applying critical thinking and the nursing process to these encounters in order to develop appropriate nursing interventions, begins the intermediate level of student learning. **\*Prerequisite:** *N300; N300L; N320.* **\*Co-requisites:** *N330L; N340*

#### **N330L: Intermediate Nursing Health Care Clinical Studies** (5 credit units/150 Clock Hours)

This course offers a guided laboratory and clinical experience to assist the student to synthesize intermediate knowledge and gain skills in application of the nursing process in simulation and in direct patient care.

**\*Prerequisite:** *N300; N300L; N320*

**Co-requisites:** *N330; N340.*

#### **N340: Legal and Ethical Aspects of Health Care** (3 credit units/30 Clock Hours)

Course presents a study of the laws that govern the practice of nursing as well as the basis of ethical decision making. The nursing profession as a service to society is explored as it relates to altruism, autonomy, human, dignity, integrity and social justice. The code of ethics for the professional nurse provides a foundation for this course.

**\*Prerequisite:** *N300; N300L; N320*

**\*Co-requisites:** *N330L; N330*

**N350: Child Health Nursing Care**  
(4 credit units/40 Clock Hours)

Course presents a theoretical base for pediatric nursing practice, including the care of the well and ill child from birth through adolescence. Pathophysiology of specific body systems and appropriate nursing interventions are discussed. Cultural and growth and development variation, psychological development, and family roles and structures are also covered.

**\*Prerequisite:** N330; N330L; N340. **\*Co-requisites:** N350L; N360; N360L

**N350L: Child Health Nursing Care Clinical Studies**  
(4 credit units/120 Clock Hours)

The course will provide opportunities for the student to apply theoretical concepts from Nursing 350 in various clinical settings and with a variety of pediatric clients and families. The student will assess the physical, psychological, and cultural status of the ill child. The student will plan, implement, and evaluate age-appropriate nursing care for clients with common pediatric disorders.

**\*Prerequisite:** N330; N330L; N340  
**\*Co-requisites:** N350; N360; N360L

**N360: Women's Health Nursing Care**  
(4 credit units/40 Clock Hours)

The care of the woman during the reproductive years and beyond is the focus of this course. Issues of contraception, pregnancy, childbirth, postpartum and related health problems will be covered. This course allows the student to apply the prior modes of assessing patients to this population before, during and following childbirth. Opportunity to promote the health of the mother and newborn, gain an understanding of cultural uniqueness will be addressed in this course. **\*Prerequisite:** N330; N330L; N340 **\*Co-requisites:** N350L; N350; N360L

**N360L: Women's Health Nursing Care Clinical Studies**  
(4 credit units/120 Clock Hours)

Clinical experiences are designed to provide an opportunity to apply didactic knowledge and skills in assessment of both normal and abnormal patient/clients. A focus of health care for these patient/clients is caring, health promotion and preparing each individual for developing with the new family member. Opportunities for exploration of how multicultural influences and financial strain can influence health care choices or opportunities for women and their families are offered.

**\*Prerequisite:** N330; N330L; N340  
**\*Co-requisites:** N350L; N350; N360

**N370: Psychiatric/Mental Health Nursing Care**  
(4 credit units/40 Clock Hours)

Course is an introduction to mental health nursing and therapeutic communication in nursing. Focus is on health promotion/illness prevention as well as the management of common acute and chronic mental health problems with

individuals and families. **\*Prerequisite:** N350; N350L; N360; N360L **\*Co-requisites:** N370L; N380; N380L

**N370L: Psychiatric/Mental Health Nursing Care Clinical Studies**  
(4 credit units/120 Clock Hours)

This course provides the clinical experience for students to apply the theories learned in Nursing 370. The student will utilize the nursing process to apply theories and implement care for clients with psychiatric and mental health issues.

**\*Prerequisite:** N350; N350L; N360; N360L  
**\*Co-requisites:** N370; N380; N380L

**N380: Critical Care Nursing**  
(4 credit units/40 Clock Hours)

Advanced study of theory and research-based nursing care of acute complex illnesses and end of life processes are covered in this course. Focus will include pathophysiological states of select illness affecting clients and therapeutic nursing interventions appropriate for this population. Utilization of critical thinking to adapt nursing care approaches to diverse populations is also addressed.

**\*Prerequisite:** N350; N350L; N360; N360L  
**\*Co-requisites:** N370; N370L; N380L

**N380L: Critical Care Nursing Clinical Studies**  
(5 credit units/150 Clock Hours)

Application of advanced clinical theory and research-based nursing care in acute care settings is the focus of this clinical experience. Emphasis will be upon the experience gained in the management of the client/patient with complex or co-morbid illness. A variety of settings will be used. **\*Prerequisite:** N350; N350L; N360; N360L

**\*Co-requisites:** N370; N370L; N380

**N400: Community Health Science**  
(3 credit units/30 Clock Hours)

This course is the study of the community public health which is the science and art of preventing disease, prolonging life, and promoting health and efficiency by organized efforts. Epidemiology, Morbidity, Mortality, Communicable Disease prevention and control, as well as roles of public health professionals in the health of USA populations will be included in the focus.

**\*Prerequisite:** N370; N370L; N380; N380L  
**\*Co-requisites:** N410; N410L

**N410: Community Health Nursing Care**  
(4 credit units/40 Clock Hours)

The study of the current theory and research derived from the biological and social sciences, ecology, clinical nursing, and community organization is all part of community health nursing practice. The target for the generalist nurse practice is the community and families. The dynamic nursing process of assessing, planning, implementing, intervening, measurement of progress, and evaluation will be used to assess the aggregate populations in the diverse community settings.

**\*Prerequisite:** N370; N370L; N380; N380L

**\*Co-requisites: N400; N410L.**

**N410L: Community Health Nursing Care Clinical Studies (4 credit units/120 Clock Hours)**

This clinical provides the student with experience in applying the Nursing 410 theory in the community. Clinical practices will include student learning through home visits to families, office and clinic activities in school and industrial settings.

**\*Prerequisite: N370; N370L; N380; N380L**

**\* Co-requisites: N400; N410.**

**N420: Nursing Research (4 credit units/40 Clock Hours)**

This course will provide knowledge regarding the scientific research process. Nursing and the role of research, the scientific approach, and an overview of the research process will be included. Preliminary research steps including selecting and defining a nursing research problem and formulating hypotheses will be studied. Consideration will be given to types of nursing research approaches and research design considerations.

**\*Prerequisite: N400; N410; N410L**

**\*Co- requisites: N430; N430L**

**N430: Basic Leadership/Management Nursing (3 credit units/30 Clock Hours)**

Course presents an introduction to leadership and management theory and its application in nursing. The focus will include study of power, change strategies, for individuals and groups. Leadership of nursing clinical organizations toward effective nursing practice will be emphasized. **\*Prerequisite: N400; N410; N410L**

**\*Co-requisites: N430L; N420.**

**N430L: Basic Leadership/Management Nursing Clinical Studies (3 credit units/90 Clock Hours)**

This course will provide opportunities for the student to apply theoretical concepts from Nursing 430 in clinical settings. The student will experience leadership and management roles in nursing service units with individuals and groups. **\*Prerequisite: N400; N410; N410L**

**\*Co-perquisites: N430; N420**

**N470 Advanced Adult Nursing Health Care (5 credit units/50 Clock Hours)**

This course offers advanced level theory and evidenced-based nursing practices as they relate to complex illnesses and populations. Course instruction will include foundational sciences, knowledge, skills, and therapeutic nursing interventions. Utilization of critical thinking and review of pharmacological principles and pathophysiological states will be emphasized.

**\*Prerequisite: N420, N430, N430L**

**N470L Advanced Adult Nursing Health Care Clinical Studies (5 credit units/150 Clock Hours)**

This course will provide opportunities to apply theoretical concepts from Nursing 470 in acute care clinical settings. The student will apply advanced level theory and

evidenced- based nursing care practices as they relate to complex sets of illnesses in individuals and among populations. Knowledge and skills such as assessment skill, formulation of nursing diagnoses, care planning; implementation of care and evaluation will be combined with enhanced pharmacological experiences and exposure to pathology. **\*Prerequisite: N420; N430; N430L**

**\*Co-requisites: N470**

**N460: Transition to Professional Practice (2 credit units/20 Clock Hours)**

Seminar is for student in their final quarter. Focus is on preparing for successfully transitioning into professional practice. The process and issues related to this role change will be explored. Personal and professional short- and long-term goals will be clarified.

**\*Prerequisite: All Nursing Courses**

**NGE 498: Special Topics (2 credit unit/20 Clock Hours)**

This course is an independent study. The student will be required to complete the contact hours as described in the syllabus under "Instructional Methods" and "Attendance".

These special topics course is an independent study which involves directed study through readings, projects, papers, community engagement, and/or focused seminars. Students pursue an area of interest with the guidance of the faculty mentor and create an original work focused on teaching and/or service. The course is intended to further student development through a process of applying leadership skills, assessing problems affecting quality health care delivery, and relating evidence-based practice in the delivery of care to vulnerable populations. The student is expected to complete a culminating project focused on University and Program outcomes and will upload the approved project on social media.

**GE 499: Special Topics (1 credit unit/10 Clock Hours)**

This course is an independent study. The student will be required to complete the contact hours as described in the syllabus under "Instructional Methods" and "Attendance". These special topics course is an independent study which involves directed study through readings, projects, papers, community engagement, and/or focused seminars. Students pursue an area of interest with the guidance of the faculty mentor and create an original work focused on teaching and/or service. The course is intended to further student development through a process of applying leadership skills, assessing problems affecting quality health care delivery, and relating evidence- based practice in the delivery of care to vulnerable populations. The student is expected to complete a culminating project focused on University and Program outcomes and will upload the approved project on social media.

## **BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES**

### **LEADERSHIP**

Arjun Dutta, PhD, BPharm  
*Dean*

### **FACULTY**

Dessouky, Tarek, MD, MBA, MPH  
Defensor, Linnea, MD, MS, RN  
Dillague, Gene, MD, MSCR, BA



### **MISSION**

In alignment with the AUHS mission, School of Pharmacy (SOP) is to provide excellence in pharmaceutical education in order to prepare graduates who advance healthcare and make a positive impact on the health of individuals and of society through the provision of high-quality evidence-based pharmaceutical care. To meet the diverse needs of patients and to promote research, scholarship, and service in the provision of pharmaceutical care, our faculty and students will actively engage in activities which advance the practice of patient-centered pharmacy care and that support and promote research, scholarship, service, and practice in order to contribute to society and meet the pharmacy needs of patients and our communities.

The AUHS School of Pharmacy embraces the educational philosophy of the University, which is dedicated to prepare a professional and culturally diverse workforce for the pharmaceutical, nursing and research sectors of healthcare—a workforce who will utilize research and evidence-based practice to guide healthcare delivery, understand the application of research, display high level competencies to health care delivery and value the continuation of learning.

## **BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES (BSPS)**

The Bachelor of Science in Pharmaceutical Sciences Program (BSPS) is a department under the school of pharmacy at the American University of Health Sciences provides a rigorous and interdisciplinary degree program. The program will ultimately prepare graduates for career paths in both the pharmaceutical industry and the health care sector.

The AUHS Bachelor of Science in Pharmaceutical Science is a three-year interdisciplinary program that focuses from the outset on the foundation of coursework in mathematics and the basic sciences (Chemistry, Biology, and Physics ). The program then progresses to advanced coursework in the pharmaceutical sciences, including aspects of drug design and synthesis, mechanisms of drug action, pharmacology and toxicology, dosage formulation, manufacturing, quality assurance, and regulatory compliance. The curriculum also includes elective credits for individual preparation and educational focus. Students will not only be able to specialize in one of the three areas of “Chemical Biology and Biomedical Pharmacology”; “Biotechnology, Drug Discovery and Translational Research”; and “Industrial and Physical Pharmacy”.

The anticipated outcome of the BSPS program will be centered on the expected ability for the graduates to secure positions in pharmacy schools/colleges, other professional schools, and graduate schools. This BSPS program presents various career path opportunities that include entry-level technical positions in the pharmaceutical and biotechnology industry; graduate education in pharmaceutical, medical, and basic sciences; and post-baccalaureate professional education in pharmacy, medicine, law, and business. A value-added objective of the AUHS BSPS program is the offer of practical experience through internship programs in industry (available in the United States and globally as part of the AUHS strategic goals regarding globalization of pharmaceutical education and research), government agencies, and on-campus research laboratories.

### **Admissions**

Follow the university's general admissions requirements for baccalaureate degree.

### **Transferring into BSPS**

College Student or previous college students who have completed at least one year of college may be admitted if:

- Completed at least 2 semesters (semester system) or 3 quarters (quarter system) of a college program from an accredited college. Must have attained an overall GPA of at least a 2.5

- Students who have achieved a bachelor's degree with a 2.5 or greater meet the admission requirement in this category.

### **Objectives**

The Objectives of the Bachelor of Science in Pharmaceutical Science program are:

- To provide a well-rounded undergraduate education with an emphasis on the pharmaceutical sciences.
- To integrate knowledge with hands-on experience to enhance career path development in pharmaceutical sciences.
- To provide educational solutions to health issues centered around professional pharmacy and pharmaceutical sciences.
- To attract and prepare students, especially minority students, to enter and successfully graduate from the school of pharmacy.
- To attract and prepare students, especially minority students, for a career in the pharmaceutical industry.
- To prepare underrepresented students as future lifelong learners and future leaders in the healthcare and researcher, as well as serve as future policy advocates in regulatory affairs.

### **Program Learning Outcomes (PLOs)**

The purpose of the health sciences program is to provide graduates with the relevant knowledge base, skills, attitudes, ethics, and values to succeed in basic and applied health-related careers.

Graduates will have a strong foundation in the physical, biological, and clinical and behavioral sciences coupled with an understanding of how business and management models apply to health sciences-related fields. Graduates will develop the skills and habits to acquire and apply new knowledge:

1. Demonstrate the ability to communicate effectively with others and to be understood in both the spoken and written word.
2. Use critical thinking skills to identify, analyze, and solve pharmaceutical science problems.
3. Use logic to solve problems and draw valid conclusions by interpreting mathematical formulas, tables, and graphs.
4. Recognize and assess the interdependence of social and cultural systems and evaluate their impact on achieving unity and harmony in everyday life.
5. Demonstrate Christian values in serving others.
6. Retrieve, assess, and use information effectively to improve outcomes of academic and personal endeavors.

7. Apply the chemical and biological principles that govern the function of the human body to assess health related problems.
8. Integrate principles of chemistry, biochemistry, biology, and mathematics in drug development and in the design of drug delivery systems.

### Graduation Requirements:

In addition to the requirements for the BSPS major, all students in the university follow the “pattern of degree requirements” in the AUHS Catalog. The minimum requirement for graduation is 189 quarter credit units of prescribed Bachelor’s degree courses.

1. Completion of course requirements within 4 ½ years of entrance to the program.
2. Students must complete all coursework, examinations, and clinical experiences with a cumulative grade point average of 2.00 or a letter grade of C or higher.
3. Present at Poster Session for a selected drug, medical device or research question on health care and present a final paper for that poster session.
4. Complete at least 100 clock hours of community service in University sponsored community driven initiatives.
5. Each BSPS student is required to maintain a portfolio showcasing his/her work, education, and learning experiences while attending the AUHS BSPS Program. Refer to Portfolio Content Guidelines. Successful completion of the Student Portfolio is contingent upon the maintenance of the Portfolio throughout the BSPS program and will be used as a basis for evaluation and to provide evidence of growth. A satisfactorily completed portfolio is a requirement for graduation from the program.
6. Students are eligible for graduation upon completion of all the University and BSPS program requirements.
7. All financial obligations to the university are paid in full.

### Required General Education Courses

| Course Number        | Course Name                        | Quarter Credit Units |
|----------------------|------------------------------------|----------------------|
| Art 200              | Medical Illustration I             | 3                    |
| Art 300              | Medical Illustration II            | 3                    |
| Biology 101 w/Lab    | General Biology I with Laboratory  | 4                    |
| Biology 102 w/Lab    | General Biology II with Laboratory | 4                    |
| Biology 200A & 200AL | Human Anatomy with Laboratory      | 4                    |
| Biology 200B & 200BL | Human Physiology with Laboratory   | 4                    |

|                                       |  |           |
|---------------------------------------|--|-----------|
| Chemistry 151 A&B Chemistry 151 A&B L | General, Organic and Bio-Chemistry with Laboratory | 6         |
| Communications 150                    | Oral Communications & Public Speech                | 4         |
| English101                            | English College Composition I                      | 4         |
| English 207                           | Creative Writing                                   | 4         |
| History 101                           | American History & Constitution                    | 4         |
| Mathematics 110                       | Quantitative Reasoning                             | 4         |
| Microbiology 201 & 201L               | Microbiology with Laboratory                       | 4         |
| Philosophy 160                        | Critical Thinking                                  | 4         |
| Political Science101                  | American Political Institutions                    | 4         |
| Psychology 100                        | Psychology   | 4         |
| Sociology 100                         | Sociology  | 4         |
| <b>TOTAL</b>                          |  | <b>68</b> |

### Other Require Courses

| Course Number         | Course Name                           | Quarter Credit Units |
|-----------------------|---------------------------------------|----------------------|
| Biochemistry 201      | Biochemistry                          | 6                    |
| Biology 202 & 202L    | Cell Biology I with Laboratory        | 4                    |
| Biology 204 & 204L    | Cell Biology II with Laboratory       | 4                    |
| Biology 230           | Pathophysiology                       | 4                    |
| Biology 301 & 301L    | Molecular Biology with Laboratory     | 4                    |
| Calculus 102          | Calculus I                            | 4                    |
| Calculus 201          | Calculus II                           | 2                    |
| Chemistry 160 & 160L  | General Chemistry II with Laboratory  | 4                    |
| Chemistry 203 & 203L  | General Chemistry III with Laboratory | 4                    |
| Chemistry 303 & 303L  | Organic Chemistry I with Laboratory   | 4                    |
| Chemistry 304 & 304L  | Organic Chemistry II with Laboratory  | 4                    |
| Chemistry 401 & 401L  | Organic Chemistry III with Laboratory | 5                    |
| Economics 202         | Micro-Economics                       | 4                    |
| Nutrition 240         | Nutrition                             | 3                    |
| Philosophy 304        | Ethics                                | 4                    |
| Physics 305 & 305L    | College Physics I with Laboratory     | 5                    |
| Physics 403 & 403L    | College Physics II with Laboratory    | 5                    |
| Spanish 201           | Healthcare Spanish                    | 4                    |
| Statistics 415        | Statistics                            | 4                    |
| Technical Writing 301 | Technical Writing                     | 3                    |
| <b>TOTAL</b>          |                                       | <b>81</b>            |

## BSPS CORE Course List

| Course Number | Course Name              | Quarter Credit Units |
|---------------|--------------------------|----------------------|
| BMS 302       | Intro Clinical Research  | 3                    |
| BMS 405       | Genetics                 | 2                    |
| PHM 101       | Pharmacy I               | 6                    |
| PHM 102       | Pharmacy II              | 6                    |
| PHM 103       | Pharmacy III             | 6                    |
| PHM 201       | Pharmacy IV              | 6                    |
| PHM 301       | Pharmacology I           | 4                    |
| PHM 302L      | Pharmacy Experience V    | 2                    |
| PHM 401       | Therapeutics I           | 2                    |
| PHM403L       | Pharmacy Experience VI   | 2                    |
| PHM 407L      | Pharmacy Experience VII  | 2                    |
| PHM 411L      | Pharmacy Experience VIII | 2                    |
| <b>TOTAL</b>  |                          | <b>40</b>            |

*Note: Courses may be taught in a sequence that differs from the order represented above.*

### BSPS INFORMATION PROGRAM (CIP 51.2010; SOC 29-1051)

Program Length.....36 Months  
 Quarters.....12 Quarters  
 Units.....189 Units  
 Clock Hours.....2260

#### *Instructional Clock Hours to Credit Conversion*

A "clock (Contact) hour" includes a minimum instructional time of 50 minutes of supervised or directed instruction and appropriate break(s).

*The formula used to calculate the number of QUARTER CREDIT units*  
 FOR LECTURE.....One Credit = 10 Lecture Hours  
 FOR LABORATORY.....One Credit = 20 Laboratory Hours  
 FOR EXPERIENTIAL.....One Credit = 30 Practicum Hours

## BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES COURSE DESCRIPTIONS

Required General Education Courses and Other Required Courses

### ART 200: Medical Illustration I (3 credit units)

This course will introduce the student to art as a form of communication. The focus will be on drawing and the introduction of foundation art techniques. The knowledge and skill acquired is related to enhanced assessment and visualization as part of the communication process. The course will enable the students to apply a unique mix of skills in project management, understanding of science and breaking medical technologies, as well as the fundamentals of art, animation, design, and Web development. The course will enable the student to articulate a unique mix of skills in project management, understanding of science and breaking medical technologies, as well as the fundamentals of art, animation, design, and Web development.

### ART 300: Medical Illustration II (3 credit units)

Literally the term 'illustrations' can be defined as any kind of visualization such as painting, drawing or photograph or other kind of art form that depicts or elaborates a story or a particular story poem of textual information. The Art 300 course is a continuation of Art 200 which will introduce the student to art as a form of communication. The course will enable the student to articulate a unique mix of skills in project management, understanding of science and breaking medical technologies, as well as the fundamentals of art, animation, design, and Web development. **\*Pre-requisite: ART 200:**

### BIOCHEMISTRY 201: Biochemistry (6 credit units)

To develop an understanding of the major biomolecules found in living organisms, the control and regulation of protein structure and function, enzyme kinetics, nucleic acid, lipids and membrane transport, biochemical evolution and introduction to carbohydrates and metabolism.

### BIOLOGY 101 – General Biology I (3 credit units)

This course is an introduction to general biology principles. Emphasis will be on the influence biological system will have at a cellular (and molecular) level on biological functioning of living systems. The course includes laboratory aspects of general biology, it is organization and biodiversity. Emphasis will also be on the genetic mechanisms influencing the organization of biological system at cellular and molecular levels.

### BIOLOGY 101L (1 credit unit)

Lab portion of the Biology 101

### BIOLOGY 102 – General Biology II (3 credit units)

This course introduces biological principles underlying the human biology. The course includes introduction to human biology, its organization, and an understanding of structure function relationship. Emphasis will be on structure-function aspects of organ systems. The course includes practical concepts of human biology and its organization at organ system level. Emphasis will be on understanding structure- function relationship associated with each organ system.

### BIOLOGY 102L (1 credit unit)

Lab portion of the Biology 102

### BIOLOGY 200A: Human Anatomy (3 credit units)

This course provides a comprehensive study of the structure and functions of the human body through analysis of the body systems. The student will progress from the cellular structure and function of each system to homeostatic mechanisms among all systems and the external environment.



### BIOLOGY 200A L: Human Anatomy

Laboratory(1 credit unit)

Lab portion of the Biology 200A: Human Anatomy

### BIOLOGY 200B: Human Physiology with Laboratory (3 credit units)

This course provides students with an understanding of the basic principles and concepts of cellular and organ system physiology and pathophysiology. The course will include an introduction to the chemistry and metabolism of biological molecules including carbohydrates, lipids, amino acids, proteins, and nucleic acids, and coverage of vitamins and their components, with emphasis on their relationship to disease states and drug therapy. The biological basis of common clinical disease states is also examined. Pathophysiology is described as a disruption of normal homeostatic mechanisms that progresses beyond the normal compensatory capabilities of the human body.

### BIOLOGY 200B L: Human Physiology

Laboratory(1 credit unit)

Lab portion of the Biology 200B: Human Physiology

### BIOLOGY 202: Cell Biology I (3 credit units)

The Cell Biology course focuses on the foundations of biological sciences and emphasizes the molecular approaches to understand cell structure, function, and regulation, and the analysis of experimental design and data interpretation. Structural details and the molecular functions of the different parts of eukaryotic cells will be emphasized and topics including endocytosis, intra-membrane transport, protein targeting, organelle biosynthesis, protein sorting, exocytosis, cell shape, motility, and cell-to-cell interaction will be introduced. The concept of signal transduction processes and cellular functions that are important for cell growth and programmed cell death will be emphasized. The lab component will focus on the experimental approaches taken to elucidate certain biology principles. The extent of the course will continue as Biology 204.

### BIOLOGY 202: Cell Biology I - Laboratory (1 credit unit)

Lab portion of the Biology 202: Cell Biology I

### BIOLOGY 204: Cell Biology II (3 credit units)

This course is the continuation of Biology 202. The cell biology course in the main is focused on the foundations of biological sciences and emphasizes the molecular approaches to understand cell structure, function, and regulation, and the analysis of experimental design and data interpretation. Structural details and the molecular functions of the different parts of eukaryotic cells will be emphasized and topics including endocytosis, intra-membrane transport, protein targeting, organelle biosynthesis, protein sorting, exocytosis, cell shape, motility, and cell-to-cell interaction will be introduced. The concept of signal transduction processes and cellular functions that are important for cell growth and

programmed cell death will be emphasized. The lab component will focus on the experimental approaches taken to elucidate certain biology principles.

**\*Prerequisites: Biology 202**

### BIOLOGY 204L: Cell Biology II

Laboratory (1 credit unit)

Lab portion of the Biology 204: Cell Biology II

**\*Prerequisites: Biology 202**

### BIOLOGY 230: Pathophysiology (4 credit units)

This course explores the response of the human body to illness and injury with respect to common disorders of the major physiologic systems. Clinical correlations are provided to assist the health professional in applying this knowledge toward proposing therapeutic interventions.

**\*Prerequisite: Biology 200A; Biology 200B**

### BIOLOGY 301: Molecular Biology (3 credit units)

The course considers the concepts of cellular and molecular biology as applied to human disease with emphasis on current experimental approaches to investigate disease mechanisms and the contributions of model systems from cancer biology, viral induced disease to gene therapy. The course blends integrated reading, writing, and experimentation in molecular biology to evaluate the design and implementation of experiments using modern molecular biology techniques to address current questions in biology. **\* Prerequisites: Chemistry 151 A&B, Chemistry 160, Chemistry 203**

### BIOLOGY 301L: Molecular Biology

Laboratory (1 credit units)

Lab portion of the Biology 301: Molecular Biology

### CALCULUS 102: Calculus I (4 credit units)

This course is an introduction to calculus, the subject that studies change. The concept of limit, the key idea of calculus will be introduced. Using the limit, we will be able to understand the notion of instantaneous rate of change (the derivative), and the total change (the integral). The course will be presented using a conceptual approach that emphasizes understanding.

**\*Prerequisites: Mathematics 110**

### CALCULUS 201: Calculus II (2 credit units)

This course builds on the solid knowledge of Calculus I, particularly differentiation and integration techniques and their applications. Following the discussion of techniques of integration (including areas, volumes, work, arc length, surface area, and center of mass), the reviews the calculus of curves defined by parametric equations and curves defined in a new coordinate system called polar coordinates. The course concludes with an in-depth discussion of series and their application to the representation of functions by power series. The student will emerge knowing how to integrate combinations of

elementary functions with accuracy and confidence.

**\*Prerequisites: Calculus 102**

**CHEMISTRY 151 A & B: General, Organic and Biochemistry (4 credit units)**

This course is a descriptive course in inorganic and organic chemistry. Basic laws and chemical calculations are stressed with an emphasis on theory and technique of qualitative analysis. Organic chemistry includes the exploration of the principles underlying the chemistry of living systems providing an introduction to the chemistry of bioenergetics, metabolism, biosynthesis, and molecular physiology.

**CHEMISTRY 151 A & B L: General, Organic and Biochemistry - Laboratory (2 credit units)**

Lab portion of the Chemistry 151 A & B: General, Organic and Biochemistry.

**CHEMISTRY 160: General Chemistry II (3 credit units)**

CHEMISTRY 160 continues the CHEMISTRY 151 A & B course focused on inorganic and organic chemistry. Basic laws and chemical calculations are stressed with an emphasis on theory and technique of qualitative analysis. Organic chemistry includes the exploration of the principles underlying the chemistry of living systems providing an introduction to the chemistry of bioenergetics, metabolism, biosynthesis, and molecular physiology. The laboratory portion of the course will introduce students to the methods used in modern chemical synthesis and measurement. CHEMISTRY 160 has extensive discussions on bonding (including the molecular orbital theory) and states of matter. **\*Prerequisites: Chemistry 151 A&B**

**CHEMISTRY 160L: General Chemistry II - Laboratory (1 credit unit)**

Lab portion of the Chemistry 160: General Chemistry II

**\*Prerequisites: Chemistry 151 A&B**

**CHEMISTRY 203: General Chemistry III (3 credit units)**

CHEMISTRY 203 courses conclude the General Chemistry course focused on the principles underlying all of chemistry with applications illustrating these principles. This course is a descriptive course in inorganic and organic chemistry. Basic laws and chemical calculations are stressed with an emphasis on theory and technique of qualitative analysis. Organic chemistry includes the exploration of the principles underlying the chemistry of living systems providing an introduction to the chemistry of bioenergetics, metabolism, biosynthesis, and molecular physiology. The laboratory portion of the course will introduce students to the methods used in modern chemical synthesis and measurement. CHEMISTRY 203 will emphasize extensively the chemistry of the elements and expand on the properties of solutions, pertinent in formulation chemistry. **\*Prerequisites: Chemistry 160**

**CHEMISTRY 203 L: General Chemistry III**

Laboratory (1 credit unit)

Lab portion of the Chemistry 203: General Chemistry III

**CHEMISTRY 303: Organic Chemistry I (3 credit units)**

This course is descriptive course in organic chemistry. CHEMISTRY 303 introduces the sequence of courses in organic chemistry includes the exploration of the principles underlying the chemistry of living systems providing an introduction to the chemistry of bioenergetics, metabolism, biosynthesis, and molecular physiology. Basic laws and chemical calculations are stressed with an emphasis on theory and technique of qualitative analysis. The course continues as CHEMISTRY 304 and 401. **\*Prerequisites: Chemistry 151 A&B, Chemistry 160, Chemistry 203**

**CHEMISTRY 303 L: Organic Chemistry I - Laboratory (1 credit units)**

Lab portion of the Chemistry 303: Organic Chemistry I

**CHEMISTRY 304: Organic Chemistry II (3 credit units)**

The CHEMISTRY 304 is the second set in the series of the Organic chemistry courses. This course is descriptive course in organic chemistry. Organic chemistry includes the exploration of the principles underlying the chemistry of living systems providing an introduction to the chemistry of bioenergetics, metabolism, biosynthesis, and molecular physiology. Basic laws and chemical calculations are stressed with an emphasis on theory and technique of qualitative analysis.

**\*Prerequisites: Chemistry 303**

**CHEMISTRY 304 L: Organic Chemistry II - Laboratory (1 credit units)**

Lab portion of the Chemistry 304: Organic Chemistry II

**CHEMISTRY 401: Organic Chemistry III**

(4 credit units)

CHEMISTRY 401 is the last set of the course series. The organic chemistry course is descriptive course in organic chemistry. Organic chemistry includes the exploration of the principles underlying the chemistry of living systems providing an introduction to the chemistry of bioenergetics, metabolism, biosynthesis, and molecular physiology. Basic laws and chemical calculations are stressed with an emphasis on theory and technique of qualitative analysis. **\*Prerequisites: Chemistry 304**

**CHEMISTRY 401 L: Organic Chemistry III with Laboratory (1 credit unit)**

Lab portion of the Chemistry 401: Organic Chemistry III

**COMMUNICATIONS 150: Oral Communications & Public Speech (4 credit units)**

This course is an introduction to effective oral communication through study and experiences in analysis,

synthesis, and presentation of informative and persuasive discourse in a public speaking forum.

#### **ECONOMICS 202: Microeconomics (4 credit units)**

The course is aimed at teaching the students basic economic concepts and provides instruction in the nature and functions of product markets (supply and demand), promoting understanding of economic decision making and its factors, such as marginal analysis and opportunity costs. The course goes on to provide examine factor markets and discuss market failure and the role of government. **\*Prerequisites: Mathematics 110**

#### **ENGLISH 101: English College Composition I (4 credit units)**

This is a foundation course in critical reading and writing skills required for university studies. This course focuses equally on writing and critical reading of a diverse variety of literature; preparation of research papers in which students accurately, clearly, and coherently synthesize ideas and information from a variety of sources and points of view.

#### **ENGLISH 207: Creative Writing (4 credit units)**

A beginning creative writing workshop that introduces students to techniques of imaginative writing in fiction, poetry, and drama in a constructive workshop setting that includes analysis of published literary works.

#### **HISTORY 101: American History & the Constitution (4 credit units)**

A survey of United States history from the Colonial Period to the present emphasizing major political, social, economic, and cultural developments.

#### **MATHEMATICS 110: Quantitative Reasoning (4 credit units)**

Principles of quantitative reasoning, data presentation, descriptive statistics, correlation, probability, distributions of random variables, sampling distributions, interval estimation, and statistical inference, with multi-disciplinary applications.

#### **MICROBIOLOGY 201: Microbiology (3 credit units)**

This course introduces the fundamental principles of microbiology, including general aspects of the structure, metabolism, multiplication, genetics and classification of bacteria, fungi, protozoa, and viruses; the methods used to control these microorganisms, the human body's natural defense mechanisms, and selected microbial pathogens.

#### **MICROBIOLOGY 201 L: Microbiology Laboratory (1 credit unit)**

Lab portion of the Microbiology 201: Microbiology

#### **NUTRITION 240: Nutrition (3 credit units)**

This course covers basic human nutrition, including the process of digestion and absorption, metabolic roles of macronutrients (carbohydrates, fats, proteins, and micronutrients (vitamins, minerals, and water). Emphasis

will be placed on medical nutritional therapy as applied to throughout the life cycle and to specific disease states. Additional topics covered may include nutrient- drug interaction, consumer food safety, menu planning and current trends in nutrition.

#### **PHILOSOPHY 160: Critical Thinking (4 credit units)**

This course presents a logical analysis of language and critical evaluation of arguments in everyday language; deductively valid and invalid argument forms; rudiments of inductive logic and scientific reasoning; informal fallacies.

#### **PHILOSOPHY 304: Ethics (4 credit units)**

This course utilizes analysis of empirical and normative factors involved in choice, types of ethical theory, and the nature of moral standards and judgments. Application of concepts will occur through investigation of value theories in philosophies of Eastern and Western cultures with emphasis on relevance to educational, aesthetic, religious and social problems. **\*Prerequisite: English – College Composition**

#### **Physics 305: College Physics I (4 credit units)**

The course is aimed at developing the interest of the student in physics concepts and principles required to describe and predict the motion of objects. The laboratory component will provide an opportunity for the student to perform experiments and the concepts discussed in class. The course will empower the student to understand the techniques and methods of experimental physics and the analysis and interpretation of experimental data.

#### **Physics 305 L: College Physics I**

Laboratory (1 credit unit)

Lab portion of the Physics 305 L: College Physics I

#### **Physics 403: College Physics II (4 credit units)**

The course aims to advance and develop the interest of the student in physics concepts and principles required to describe and predict the motion of objects. The laboratory component will provide an opportunity for the student to perform experiments and the concepts discussed in class. The course will empower the student to understand the techniques and methods of experimental physics and the analysis and interpretation of experimental data. **\*Prerequisites: Physics 305**

#### **Physics 403 L: College Physics II**

Laboratory (1 credit unit)

Lab portion of the Physics 403: College Physics II

**\*Prerequisites: Physics 305**

#### **POLITICAL SCIENCE 101: American Political Institutions (4 credit units)**

A study of national, state, and local governments, national and state constitutions, the rights and responsibilities of citizens, and the political processes, issues, and policies of those governments.

#### **PSYCHOLOGY 100: Psychology (4 credit units)**

This course provides a general survey of psychology including development of the individual, learning, thinking, motivation, emotion, and perception.

#### **SOCIOLOGY 100: Sociology (4 credit units)**

This course is a survey of the theories, philosophies, and problems of sociology, analyzing human relationships through a study of concepts, institutions, cultural origins, and social interaction and change.

#### **SPANISH 201: Healthcare Spanish (4 credit units)**

The Healthcare Spanish course presents the student with the vocabulary and grammar needed by beginning students for use in basic conversations based in the Spanish language. Students will have the opportunity to learn about different cultural aspects related to the Spanish language from various countries around the Spanish-speaking world. The communication skills of speaking, listening, reading, and writing are emphasized and used in class each day in order to build language skills as completely as possible. Students should expect to participate daily in class activities. Be prepared to move, act silly and have fun exploring another language and culture. The course will introduce students to the four elements of language study: listening, speaking, reading, and writing. The course continues to the intermediate level where students begin to develop strong vocabulary and grammar skills through a study of culture, cultural readings, and writing. The course builds upon the basic communication skills mastered in the Spanish I course. The student will be studying advanced vocabulary and grammatical concepts. The student will be expected to use these skills in communication within situations studied. In addition, the student will study aspects of Hispanic culture and history via a variety of media. Students review structures of the language previously learnt, concentrating on more complex as well as new aspects of Spanish grammar. Conducted entirely in Spanish, the course introduces students to new vocabulary for usage in situations of everyday living. The course also serves as an introduction to literary works by Spanish and Latin American writers as well as to the history, geography, and cultures of the Spanish speaking world. Students will be required to write short compositions and prepare oral presentations.

#### **STATISTICS 415: Statistics (4 credit units)**

This course includes development and application of the following topics: Descriptive and Inferential Statistics, Mathematics of Finance, Linear Programming and Graph Theory.

#### **TECHNICAL WRITING 301: Technical Writing (3 credit units)**

The technical writing course will focus on the art and science of translating technical information into readable, accessible writing usable by a wide audience that may

include creating manuals, help and technical support systems, online help systems, and instruction manuals. The course will examine various ways to approach and organize a technical writing project and look at the kinds of materials technical writers produce, from written manuals to video tutorials. The course will introduce a variety of projects technical writers work on and consider approaches in technical writing project (with an examination of the kinds of materials technical writers produce).

#### **BSPS CORE Courses**

##### **BMS 402: Grant Writing (4 credit units)**

Funding to support both applied research and service provision is a critical aspect of professionals in the pharmaceutical and health sciences. Students in pharmaceutical and health sciences often complete their education with little formal training in grant writing beyond the investigator initiated R01. The course will discuss strategies for identifying appropriate funders and applying for support are instrumental to the initiation of new areas of study and service provision and the sustainability of ongoing public health programs. An understanding of the utility of various types of funders including local, state, and federal governments, foundations, and corporations provides a catalyst for diversifying funding sources. Students will attend weekly sessions presented in a lecture/workshop format. Sessions will be held in a computer laboratory to foster hands-on exploration of information resources. The course will derive projects from the spectrum of topics covered in the Clinical Research program and students' interests.

##### **BMS 405: Genetics (2 credit units)**

This course introduces the students to genetic basis for disease and individualizing drug therapy and healthcare. The genome and proteomic principles in relation to disease and drug development will be discussed.

##### **PHM 101: Pharmacy I (6 credit units)**

This course serves as an introduction to pharmacy practice for the BS Pharmaceutical Science student in preparation for taking the PTCB exam to obtain CPhT by the end of the 4th quarter. This course is designed to expose the student to fundamentals, principles, and practice of pharmacy at an introductory level. Coursework includes theory and application of theory to lab experience necessary for an entry-level position as a certified pharmacy technician capable of working in any pharmacy environment or related allied health industry.

##### **PHM 102: Pharmacy II (6 credit units)**

This course serves as continuation of the introduction of pharmacy in preparation for the taking the PTCB exam to obtain CPhT by the end of the 4th quarter. The course includes a review of the role of the pharmacist and pharmacy technician, SPF's for Controlled Substances,

Applied Aseptic Technique along with the Preparation of Sterile Products - LVP, TPN and IVPB and will progress with the practice of dispensing drugs that affect the Skin, Eye and Ear, Digestive System, Muscle Skeletal System, Endocrine System, and Infection. Discussion and practice of Medication Safety and Errors will be further developed. Multiple Drug Report Presentations: The student will progress from presenting 1 drug report to presenting multiple drug reports. **\*Prerequisites: PHM 101**

#### PHM 103: Pharmacy III (6 credit units)

The Pharm 120 course is the final sequence of preparatory courses that introduces the BSPS student to the health science technician arena with the purpose of preparing for a career as a pharmacy technician in both community and hospital pharmacies, and function successfully in the role. The course has a large amount of time spent in the clinical setting for the purpose of hands-on training that prepares the student for national certification.

**\*Prerequisites: PHM 102**

#### PHM 201: Pharmacy IV (6 credit units)

This course builds on PHM 101, 102, and 103 giving the student an insight into the field of pharmacy and pharmacy practice. This course is focused on introducing the BSPS student to community and hospital pharmacy. The student will become familiar with the important roles of the pharmacist in community practice including the dispensing process for prescription medications, medication compounding, patient consultations, over-the-counter drug counseling, education of pharmacy students and residents, and patient-oriented clinical services such as the administration of immunizations. The student will gain knowledge of the many roles that pharmacist is responsible for in hospital practice, including the distribution of medications, medication compounding, collaborations as a member of the healthcare team and therapeutic drug monitoring. **\*Prerequisites: PHM 103**

#### PHM 301: Pharmacology I (4 credit units)

During the course basic pharmacological principles and various classifications of drugs will be discussed. The mechanism of action of drugs associated with interaction with biological receptors as well as the concepts of absorption, distribution, metabolism, and excretion will be emphasized. When the different classifications of drugs are instructed the student is expected to know indications, clinical uses, side effects and drug interactions. Clinical management of patients and therapeutics is also emphasized as problem-oriented situations are presented. The course continues with the basic pharmacological principles and various classifications. The mechanism of action of drugs associated with interaction with biological receptors as well as the concepts of absorption, distribution, metabolism, and excretion will be emphasized. When the different classifications of drugs are instructed the student is expected to know indications,

clinical uses, side effects and drug interactions. Clinical management of patients and therapeutics is also emphasized as problem-oriented situations are presented.

#### PHM 302L: Pharmacy Experience V (2 credit units)

This course is the continuation of the series of pharmacy field experience courses focused on introducing the BSPS student to community and hospital pharmacy. The course is focused on integrative medicine and consultant pharmacy. The student will learn firsthand the work of pharmacists in ambulatory clinical practices such as medication therapy management, disease management, wellness and prevention, and specialty services. The practice in integrative medicine incorporates treatments from conventional medicine and complementary and alternative medicine (e.g., herbal therapies). The student will learn about consultant pharmacist who can have varied roles that includes reviewing patient medication profiles at long-term care facilities (e.g., nursing homes), recommending medication changes when appropriate, collaborations with other health care providers, providing information to patients and their families, educating students, and conducting in-service training sessions.

#### PHM 401: Therapeutics I (2 credit units)

Foundations of Pharmaceutical Sciences I course will introduce the student to traditional physical pharmacy aspects (such as solubility, stability, interfacial tension, and compaction) of drugs and dosage forms that can affect product selection and therapeutics. There will be emphasis on the physical-chemical properties of drug compounds and dosage forms particularly as they correlate to biopharmaceutics and pharmacokinetics. Pharmaceutical calculations and extemporaneous compounding principles will be core highlights of the course.

#### PHM 403L: Pharmacy Experience VI (2 credit units)

This course is the continuation of the series of the PHM 302L course aimed at introducing the BSPS student to the practice of pharmacy. The present PHM 404L is focused on the managed care environment and pharmacy benefit management. This includes managing prescription benefit plans for employers, communicating with prescribers and patients, prescription processing and dispensing, providing medications to patients through mail-service delivery, and medication therapy management services.

#### PHM 407L -Pharmacy Experience VII (2 credit units)

This course continues the introduction of the BSPS student to the practice of pharmacy and is focused on the practice of home infusion pharmacy, including the preparation of sterile solutions and monitoring of patients who need intravenous medications at home. The student will learn why infusion therapy is needed, how the medications are prepared and delivered to the patient. During this course, the student will be introduced to the practice of nuclear pharmacy including the preparation of radioactive compounds used to diagnose or treat specific diseases. The

student will also learn about the importance of consultations within the nuclear medicine healthcare team, training requirements, and specialty certification that are available for the nuclear pharmacy field.

#### PHM 411L Pharmacy Experience VIII (2 credit units)

This course focuses on “Anticoagulation Pharmacy” and describes the role of the Pharmacist in the practice of managing anticoagulation drug therapy. The student will learn why these drugs are needed, devices that are used to monitor various parameters in the patient’s blood, collaborations with other health professionals, training pharmacy students, and educating patients about their therapies. The student will learn firsthand the various antithrombotic medications, especially Coumadin®, which is used to reduce the degree to which a patient’s blood clots.

#### GE 498: Special Topics (2 credit unit/20 Clock Hours)

This course is an independent study. The student will be required to complete the contact hours as described in the syllabus under "Instructional Methods" and "Attendance".

This special topic course is an independent study which involves directed study through readings, projects, papers, community engagement, and/or focused seminars. Students pursue an area of interest with the guidance of the faculty mentor and create an original work focused on teaching and/or service. The course is intended to further student development through a process of applying leadership skills, assessing problems affecting quality health care delivery, and relating evidence-based practice in the delivery of care to vulnerable populations. The student is expected to complete a culminating project focused on University and Program outcomes and will upload the approved project on social media.

#### GE 499: Special Topics (1 credit unit/10 Clock Hours)

This course is an independent study. The student will be required to complete the contact hours as described in the syllabus under "Instructional Methods" and "Attendance".

This special topic course is an independent study which involves directed study through readings, projects, papers, community engagement, and/or focused seminars. Students pursue an area of interest with the guidance of the faculty mentor and create an original work focused on teaching and/or service. The course is intended to further student development through a process of applying leadership skills, assessing problems affecting quality health care delivery, and relating evidence-based practice in the delivery of care to vulnerable populations. The student is expected to complete a culminating project focused on University and Program outcomes and will upload the approved project on social media.

## ADMISSIONS TO CERTIFICATE PROGRAMS

*What good will it be for someone to gain the whole world, yet forfeit their soul? Or what can anyone give in exchange for their soul?*

*~Matthew 16:26*



Annual Thanksgiving Food Drive

## ADMISSIONS PROCEDURES

Prospective students must have applied for admission to their program of study to be officially accepted for a specific starting date. The process includes the following steps:

- Contact the university and make an appointment with an admissions representative for an initial consultation.
- Submit all required application documents and fees to AUHS Admissions Department. Only complete applications will be reviewed and evaluated.
- Complete the University entrance test (Wonderlic Scholastic Exam).
- Complete the interview process.
- Complete Financial Aid meetings
- Respond to the Acceptance Letter.
- Attend the New Student Orientation.

## ADMISSIONS REQUIREMENTS

In order to be eligible for review, applicants must:

1. Must be an US legal resident.
2. For the Certificate Program: Must have a high school diploma or GED.
3. Must have submitted a typed written personal statement which explains the applicant's interest in the target field and why the applicant will be an asset to AUHS and the community.
4. Must have submitted a resume that itemizes the applicant's educational background and/or employment history, extracurricular activities that demonstrate leadership skills etc.
5. Must have submitted two (2) sealed recommendations on the AUHS letter of recommendation forms (preferably from a science teacher or a health care provider that knows you well).
6. Must have submitted proof of general good health on the form provided by AUHS.
7. Must have passed the university entrance test (Wonderlic Scholastic Exam).
8. Have completed a formal Interview.

## CANCELLATION OF ADMISSION

A student admitted to the university for a given quarter; but who does not register in the specified quarter will have the admission canceled. The student must file a new application form when again seeking admission and must follow the complete application procedure and meet the current admission requirements.

## TEST

University Entrance Test: Wonderlic Scholastic Test

The Wonderlic Scholastic Level Exam (SLE) is a short-form computer-based test of general cognitive ability. Often referred to as general intelligence, or cognitive ability is a term that is used to describe the level at which an individual learns, understands instructions, and solves problems. It provides quantitative insight into how easily individuals can be trained, how well they can adjust to, and solve, problems, and how well satisfied they are likely to be with the demands of the curriculum. The information is available at <https://wonderlic.com/>.

Students achieve a score of 19 on the computer-based test or 21 on the paper-based test to continue the application process at AUHS.



## AUHS EXTENSION PROGRAM (OPEN UNIVERSITY)

*Praise the LORD. Praise God in his sanctuary; praise him in his mighty heavens. Praise him for his acts of power; praise him for his surpassing greatness. Praise him with the sounding of the trumpet, praise him with the harp and lyre, praise him with timbrel and dancing, praise him with the strings and pipe, praise him with the clash of cymbals, praise him with resounding cymbals. Let everything that has breath praise the LORD. Praise the LORD.*

*~Psalm 150:1-6*



Prescription Dispensing Laboratory

## PHARMACY TECHNICIAN

Today, pharmacy technician work in a variety of pharmacy environments, such as retail pharmacy, hospital pharmacy, home health care, long term care, and managed care. The purpose of this program is to provide the student with the theory and hands-on experience necessary for an entry-level position as a pharmacy technician capable of working in any pharmacy environment or related allied health industry.

### Program Learning Outcomes (PLOs)

At the completion of this training program, the student shall be able to demonstrate:

1. Knowledge and understanding of different pharmacy practice settings.
2. Knowledge and understanding of the duties and responsibilities of a technician in relationship to pharmacists and of standards and ethics, laws and regulations governing pharmacy practice.
3. Knowledge and ability to apply, to identify and employ pharmaceutical and medical terms, abbreviations and symbols commonly used in prescribing, dispensing and charting medications.
4. Knowledge and ability to apply identification, general chemical and physical properties of drugs handled in a pharmacy.
5. Knowledge and ability to carry out calculations required for common dosage determination and preparation of solutions employing both the metric and apothecary systems.
6. Knowledge and understanding of drug dosages, a route of administration, and dosage forms.
7. Knowledge of and ability to perform manipulative and record keeping functions involved in and related to dispensing prescriptions for ambulatory patients.
8. Knowledge of and ability to perform procedures and techniques related to aseptic compounding and admixture of parenteral product.
9. Knowledge of and ability to perform the procedures and operations relating to aseptic compounding of cytotoxic agents, including knowledge of applicable state or federal regulations.
10. Knowledge of and ability to perform the technician functions in an institution drug distribution system.
11. Knowledge of and ability to perform basic PC computer functions and Microsoft Office package.

### Occupational Options for Pharmacy Technician:

1. Pharmacy Technician
2. Pharmacy Managed Care (Prior Authorization)
3. Pharmacy Buyer

## 4. Pharmacy Assistant

### PROGRAM OUTLINE

CIP Code 51.0805

| Course Number | Course Name                               | Quarter Credit Units |
|---------------|---|----------------------|
| PT 1          | General Pharmacy Principles & Standards   | 4                    |
| PT 2          | Pharmacology                              | 4                    |
| PT 3          | Pharmaceutical Calculations               | 4                    |
| PT 4          | Retail Pharmacy Procedures & Operations   | 4                    |
| PT 5          | Pharmacy Law                              | 4                    |
| PT 6          | Internal Medicine                         | 4                    |
| PT 7          | Sterile Preparation                       | 4                    |
| PT 8          | Hospital Pharmacy Procedures & Operations | 4                    |
| PT 9          | Insurance and Inventory                   | 4                    |
| PT 10         | Internship                                | 12                   |
| <b>TOTAL</b>  |   | <b>48</b>            |

### Graduation Requirements

1. Complete 48 Quarter Credit Units
2. Complete Externship Requirements
3. Student must obtain a cumulative grade point average of 2.0 or higher at completion of the program.
4. All financial obligations to the university are paid in full.

### Pharmacy Technician Course Descriptions

#### Pharmacy Technician Coursework

#### PT-1 General Pharmacy Principles & Standards 4 Credit Units (3 Lecture+1 Lab)

This module emphasizes on the pharmacy history, role of a technician, practice setting overview, patient communication, OTC medication and introduction to law, communication, and job development.

#### PT-2 Pharmacology 4 Credit Units

This module covers the basic principles of Pharmacology with a focus on pharmacokinetics, pharmacodynamics, and therapeutic implications for major drug categories.

#### PT-3 Pharmaceutical Calculations 4 Credit Units (3 Lecture + 1 Lab)

This module will assist the pharmacy technician student in developing the skills necessary to perform precise calculations when dealing with medication. Students will be able to interpret the written prescription, determine safe dosages and quantities to prepare and dispense for various routes of administration. Mathematic principles will also be applied to do the necessary calculations used in pharmaceutical manufacturing and parenteral solutions for both pediatric and adult populations.

#### PT-4 Retail Pharmacy Operations & Procedures 4 Credit Units

The module covers the operations side of retail pharmacy, over the counter medications, alternative medicine, vitamins, and minerals, and anti-inflammatory and antihistamines. Students learn trade and generic names, drug classifications, indications, dosages, routes of administration, and side effects.

#### PT-5 Pharmacy Law 4 Credit Units

This module explores laws that govern the field, and the legal duties and responsibilities of both the Pharmacist and Pharmacy Technician are discussed. Students are introduced to various drug reference books and learn to utilize certain resources effectively. Students gain familiarity with regulatory agencies and their functions including DEA, NAPB, State Boards, FDA, JACHO, ASHP, and CSHP.

#### PT-6 Internal Medicine 4 Credit Units

The module covers the digestive, reproductive, and endocrine systems, as well as vaccines. Students will learn internal and external customer care. Students will learn to decipher physician's orders, pharmaceutical calculations, medical terminology, and lecture specific prescription drugs.

#### PT-7 Sterile Preparations 4 Credit Units (3 Lecture+1 Lab)

This module provides comprehensive instruction for the successful preparation of compounded sterile parenteral preparations, a major responsibility of the pharmacy personnel in hospitals, long-term care facilities, and home healthcare. This requires mastery of aseptic technique, the procedures that ensure patient safety and consistent, pathogen-free products.

#### PT-8 Hospital Pharmacy Operations & Procedures 4 Credit Units

This module will prepare students to function in a hospital pharmacy setting. The student will practice purchasing, inventory, and quality assurance in the lab, hospital, or long-term care environment.

#### PT-9 Insurance & Inventory 4 Credit Units

This module covers the basics insurance claims forms for a variety of providers, including Group Plan Insurances, PPOs, Worker's Compensation and Federal and State Disability. Students will learn pharmacy billing in various pharmacy settings and how to expedite the handling and processing of online insurance claims. In addition, students will learn about the importance of purchasing and inventory control.

#### PT-10 Internships 12 Credit Units

Prior to internship placement, students must meet all classroom requirements. He/she is then assigned to an approved ASHP standard hospital pharmacy, retail/community pharmacy, home health-care pharmacy,

and managed care pharmacy, drug application (NDA), and the marketing authorization application (international). The role of the investigator, coordinator, sponsor, clinical research associate and monitor are discussed. Individuals are exposed to the skills necessary to function as a successful study monitor.

#### CRC-6 Clinical Trial Administration & Management 4 Credit Units

An overview of the development contents and process of the clinical research study. Topics include protocols, case report forms, investigator brochures, informed consent, institutional review boards and statement of investigator form 1572. Designed to give clinical research associates and coordinators the skills necessary to manage large and small projects such as research protocols and studies. Students develop, manage, and present a project using the computer, utilizing techniques such as charts, critical paths, written reports, and visual presentations. Projects are tracked and managed using comparisons of initial baselines of forecasts with ongoing and final results.

## TRANSFER OF CREDIT

*“I pray that out of his glorious riches he may strengthen you with power through his Spirit in your inner being, so that Christ may dwell in your hearts through faith. And I pray that you, being rooted and established in love, may have power, together with all the Lord’s holy people, to grasp how wide and long and high and deep is the love of Christ, and to know this love that surpasses knowledge—that you may be filled to the measure of all the fullness of God.” ~Ephesians 3:16-19*



*Student, School of Nursing during lecture*

## TRANSFER OF CREDIT

*“NOTICE CONCERNING TRANSFERABILITY OF CREDITS AND CREDENTIALS EARNED AT OUR INSTITUTION: The transferability of credits you earn at American University of Health Sciences (AUHS) is at the complete discretion of an institution to which you may seek to transfer. Acceptance of credits, degree, or certificate you earn at AUHS is also at the complete discretion of the institution to which you may seek to transfer. If the credits, degree, or certificate that you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all your coursework at that institution. For this reason, you should make certain that your attendance at this institution will meet your educational goals. This may include contacting an institution to which you may seek to transfer after attending AUHS to determine if your credits, degree or certificate will transfer.”*

At present, we do not have an articulation agreement or transfer or credit agreement between any other institutions. However, we do accept transfer of credit and this is detailed below.

Following the guidelines of transfer credit policy from American Association of Collegiate Registrars and Admissions Officers, (AACRAO), the department head of the program as well as the Chief Academic Officer at AUHS will evaluate all previous college work in relation to the requirements of the program of study. Admissions Department convert semester units of credit transferred to the university to quarter units by multiplying semester-unit totals by one and a half (1½).

All undergraduate degree accepted students will be issued a transferred credit summary upon enrollment that serves as a basis for determining remaining requirements for the students’ specific objectives.

The student is held responsible for submission of one of the required documents below to Admissions Department for transfer credit verification and evaluation.

- school catalog showing that the institution where the credit was earned or;
- a copy of the course syllabus with a class content outline sufficient in length and content to determine the depth and scope of the course, and;
- an official transcript containing the grade received for the course.

## TRANSFER OF CREDIT POLICY

1. All credits/units from other schools proposed for transfer must be verified and evaluated for credit to be established.

2. Credit for comparable coursework required in the program of study must have been completed at an accredited institution recognized by the United States Department of Education within 10 years of admission to AUHS.
3. Credit for coursework identified by such institutions as remedial, or in other ways as being nontransferable will not be accepted toward the satisfaction of baccalaureate degree within limitations of transfer credit requirements and a maximum number of transfer units.
4. Upper-division credit (300 and 400 series courses) is not allowed for courses taken in a community college, occupational or vocational schools.
5. Coursework, to be considered transferrable, must have been achieved with a minimum GPA required by the program of study.
6. Credit is awarded for college-course work completed at appropriately accredited institutions.
7. A maximum of 48 semester (72 quarter) units/credits is allowed to be transferred to undergraduate programs, and a maximum of 6 semester (9 quarter) credits for the graduate program.

List of Co-requisite courses may be transferred into Graduate Study:

| AUHS General Education Course Number/Title | Quarter Credit Units |
|--|----------------------|
| CR 100 Medical Terminology                 | 1.5                  |
| CR 500 Human Anatomy & Physiology          | 3.5                  |
| CR 688 Communication Skills Development    | 3                    |

AUHS Transferrable Courses:

| AUHS General Education Course Number/Title              | Quarter Credit Units |
|---|----------------------|
| Anthropology 250-Cultural Anthropology                  | 4                    |
| Art 200 Medical Illustration I                          | 3                    |
| Art 300 Medical Illustration II                         | 3                    |
| Communications 150- Oral Communications & Public Speech | 4                    |
| English 101- English Composition                        | 4                    |
| English 207- Creative Writing                           | 4                    |
| Economic 202- Micro-Economics                           | 4                    |
| Economic 302—Macro-Economics                            | 3                    |
| History 101- American History & Constitutions           | 4                    |
| **Nursing 310- Human Life Cycle                         | 4                    |
| **Nutrition 230- Nutrition                              | 3                    |
| Philosophy 160—Critical Thinking                        | 4                    |
| Philosophy 304 -Ethics                                  | 4                    |
| Political Science 101—American Political Institutions   | 4                    |
| Psychology 100 —Psychology                              | 4                    |
| Sociology 100 —Sociology                                | 4                    |

| AUHS Natural Sciences<br>Course Number/Title                             | Quarter<br>Credit Units |
|--|-------------------------|
| Chemistry 151A&B and 151A&B L-General, Organic and Biochemistry with Lab | 6                       |
| Biology 200A and 200A L-Human Anatomy with Lab                           | 4                       |
| Biology 200B and 200B L-Human Physiology with Lab                        | 4                       |
| **Biology 230-Pathophysiology  | 4                       |
| Microbiology 201 and 201 L-Microbiology with Lab                         | 4                       |
| **Pharmacology 210-Clinical Pharmacology                                 | 3                       |
| Physics 305 and 305-College Physics I with Lab                           | 5                       |
| Physics 403 and 403 L-College Physics I with Lab                         | 5                       |

| AUHS Mathematics<br>Course Number /Title | Quarter<br>Credit Units |
|--|-------------------------|
| Mathematics 110—Quantitative Reasoning   | 4                       |
| Statistics 415—(Bio) Statistics          | 4                       |
| Calculus 102- Calculus I                 | 4                       |
| Calculus 201- Calculus II                | 4                       |

\*\* Only available for nursing students

## CREDIT BY EXAMINATION

Students enrolled in any undergraduate programs at AUHS who wish to receive credit for knowledge gained through prior education may challenge a course or requirement. Comprehensive Proficiency Examinations are available on a limited basis and at the discretion of the department Dean/Chairperson. Students are responsible to attend classes until they have passed the CBE challenge successfully.

By request only and follow these steps:

1. Submission of an approved "Course Verification Form" and Request of "Credit by Examination" From to Student Services and Affairs by the deadline.
2. Once proper documents are reviewed and approved, students should pay a non-refundable examination fee.
3. Student Services will arrange the date of the exam.
4. If you pass the exam, credit (CR) for the class will appear on your transcript as test credit for the semester and you will be dropped from the class.
5. If you do not pass the exam, you must need to register and enroll in the class.

**Fee:** The examinations are listed in the course schedule. A \$500 non-refundable fee rather than tuition applies. Specific information regarding these examinations is available from the Student Services and Affairs. Students are responsible for course fees if they fail the challenge examination.

**Required documents:** An official transcript accompanied by a course syllabus/description; an approved request form by the Chief Academic Dean or Senior

Administrator or by the Chairman of the related department.

### Restriction:

- A maximum of eighteen (18) semester units/twenty-seven (27) quarter units (undergraduate program) or six (6) semester/nine (9) quarter units (graduate program) may be earned through proficiency examinations.
- A total number of units either by transfer or by examination should not exceed 48 semester units or 72 quarter units.
- Students are responsible to attend classes until they have passed the course.
- A course may be challenged by examination only once.

**Grading:** In order to receive credit, the student must pass a comprehensive proficiency examination. The grade assigned for credit by examination is recorded in the same manner as for other courses. Credit is not given for any class which the student has previously attempted and failed or for which he/she has previously sought credit by examination. Only CR (credit) will be awarded for these examinations (No record of failures will appear on a student's transcript.) All credit awarded in this manner will be so noted on the student's transcript.

## TRANSFERABILITY OF CREDITS

"The transferability of credits you earn at American University of Health Sciences is at the complete discretion of an institution to which you may seek to transfer. Acceptance of the degree/certificate you earn in any of our educational programs is also at the complete discretion of the institution to which you may seek to transfer. If the credits/degree/or certificate that you earn at this institution are not accepted at the institution to which you seek to transfer, you may be required to repeat some or all your coursework at that institution. For this reason, you should make certain that your attendance at this institution will meet your educational goals. This may include contacting an institution to which you may seek to transfer after attending American University of Health Sciences to determine if your credits/degree/or certificate will transfer."

There is no extra charge for students to request transfer credit.

## CREDIT FOR PRIOR EXPERIENTIAL LEARNING

The University does not at this time accept or give credit for Prior Experiential Learning. However, students who wish to receive Veteran benefits must submit a statement of previous training to the school for consideration. All appropriate credit will be allowed and recorded on a

veteran student's enrollment record and the length of the course will be shortened appropriately.

In keeping with the policies of the Veterans Administration, we do accept up to 12-quarter credit units/hours of prior experiential learning for veterans. Award of prior credit is done on a case-by-case basis and is dependent on credit awarded by the Military for its schooling such as basic training, Officer's Candidacy schooling, Command and General Staff etc., or appropriate, creditable prior military experience (e.g., service in a foreign war, service during wartime, continuous and prolonged service to the military, etc.). The veteran must request and provide the following:

- All transcripts
- Acknowledgement and receipt of military schooling
- A statement which explains prior experiential learning

The above items and experiences are examined, analyzed, and if appropriate may be applied to the area of study as part of the AUHS degree in the chosen area.

### CREDIT FOR EXTERNAL EXAMINATIONS AP/ IB/CLEP EXAMINATION CREDIT

The three (3) standardized examinations recognized by the university to determine knowledge and skill level to be exempted from certain courses or requirement are:

1. Advanced Placement (AP) tests,
2. The College Level Examination Program (CLEP), and
3. The International Baccalaureate (IB) program.

#### Credit for Advanced Placement (AP) Exams

The Advanced Placement Program sponsored by the College Board and administered by Educational Testing Service (ETS) offers secondary school students with the opportunity to participate in challenging college-level coursework while still in high school.

Students who have successfully completed courses in the Advanced Placement Program (AP) of the College Entrance Examination Board (defined as receiving a score of 3, 4 or 5) shall be granted credit for each advanced placement course toward graduation, advanced placement in the university's sequence of courses and credit for curriculum requirements.

| AP Exam Subject          | Credit for AUHS Course Code                   | Quarter Credit Units | AP Score |
|--------------------------|---|----------------------|----------|
| Art, Studio Art, Drawing | Art 200 Medical illustration I with portfolio | 3                    | 3, 4, 5  |
| Calculus B/C             | Calculus 102- Calculus I                      | 4                    | 3, 4, 5  |
| Chemistry                | Chemistry 151 A/B and 151 A/B (L)             | 6                    | 4, 5     |

|                                  |                                  |   |         |
|----------------------------------|----------------------------------|---|---------|
| English Language and Composition | English 101: College Composition | 4 | 3, 4, 5 |
|----------------------------------|----------------------------------|---|---------|

| AP Exam Subject      | Credit for AUHS Course Code                            | Quarter Credit Units | AP Score |
|----------------------|--|----------------------|----------|
| Microeconomics       | Economics 202 Microeconomics                           | 4                    | 3, 4, 5  |
| Macroeconomics       | Economics 302 Macroeconomics                           | 3                    | 3, 4, 5  |
| Government           | Political Science 101: American Political Institutions | 4                    | 3, 4, 5  |
| Physics B: Mechanics | Physics 305 and 305L: College Physics I                | 5                    | 4, 5     |
| Psychology           | Psychology 101: General Psychology                     | 4                    | 3, 4, 5  |
| US History           | History 101: American History and Constitutions        | 4                    | 3, 4, 5  |

#### Credit for College Level Examination Program (CLEP)

CLEP is a national program that allows students to obtain credit by examination. CLEP examinations are computer based and create instant score reports. CLEP examinations cover material taught in courses that most students take as requirements in the first two years of college. Each exam is 90 minutes long and primarily comprises multiple-choice questions; however, some exams do have fill-ins. The CLEP program's long-standing policy limiting test retakes to every six (6) months provides students an opportunity to spend additional time preparing for the exam or the option of taking a classroom course. Please visit the CLEP

Prep Center on the College Board website at <https://clep.collegeboard.org/> for useful tips on assessing and preparing for any of the CLEP exams. For more information about the test and/or to take a CLEP exam, applicants can go to <https://clep.collegeboard.org/exams> Code:4977.

At AUHS accepts twelve (12) quarter units of CLEP results, subject to achievement of the scores indicated. AUHS does not offer CLEP. Applicants must complete the exam and submit the score along with their application.

| CLEP Subjects                       | Course Number Title                 | Quarter Credit Units | Passing Score |
|-------------------------------------|-------------------------------------|----------------------|---------------|
| American Government                 | Political Science 101 US Government | 4                    | 60%           |
| Analyzing & Interpreting Literature | English 101- English Composition    | 4                    | 50%           |
| College Algebra                     | Math 110- College Algebra           | 4                    | 50%           |

|  |   |   |     |
|--|---|---|-----|
| Calculus   | Calculus 102-<br>Calculus I                       | 4 | 60% |
| History of the United States II-Early Colonization to 1877 and History of the United States II-1865 to the Present | History 101-<br>American History & Constitutions  | 4 | 60% |
| Human Growth and Development   | Nursing 310-Human Life Cycle                      | 3 | 60% |
| Introductory Psychology  | Psychology 100-<br>General Psychology             | 4 | 50% |
| Introductory Sociology   | Sociology 100-<br>Introduction to Sociology       | 4 | 50% |
| Principle of Macroeconomics  | Economics 302                                     | 4 | 60% |
| Principle of Microeconomics  | Microeconomics<br>Economics 202<br>Microeconomics | 3 | 60% |

*such time as the “I/INC” is removed and the CGPA is reevaluated.*

**LVN 45-Unit Option**

The LVN 45 Unit Option is mandated by California Administrative Code, Title 16, Article 3, Section 1429. California law for nurses requires that every school make possible the award of credit to make it possible for a LVN to receive enough credit to sit for the RN-NCLEX examination in the state of California. The LVN 45 -unit option was designed as a career ladder for California Licensed Vocational Nurses (LVN) wishing to become registered nurses. While most states do not recognize California's LVN 30 or 45 -Unit Options and will not issue RN licenses to these LVNs, the Board of Nursing (BRN) in California mandates that every California school make the option available to licensed vocational nurses (LVNs). The number of units (30 or 45) depends on quarter or semester options. AUHS is on a quarter unit system and therefore a 45 -unit option is mandated by law.

**Credit for The International Baccalaureate (IB) Program**

IB program is a Geneva-based program of study offered through high schools throughout the world. The program consists of a comprehensive system of courses and examinations that focus on the development of a high quality, liberal arts education (visit <http://www.ibo.org/> for more information). AUHS recognizes the IB program, so applicants may be awarded credits in the subject areas listed below by passing the stated IB examinations with stated scores.

| IB Exam Subject        | Credit for AUHS Course                        | Quarter Credit Units | Accepted Score |
|------------------------|---|----------------------|----------------|
| Chemistry HL           | Chemistry 151<br>A/B                          | 6                    | 6, 7           |
| Economics HL           | HUM 202<br>Microeconomics                     | 3                    | 5, 6, 7        |
| Math SL                | College Algebra                               | 4                    | 5, 6, 7        |
| Math HL                | Calculus 102<br>Calculus I                    | 4                    | 6, 7           |
| Further Math SL        | Calculus 201<br>Calculus II                   | 2                    | 6,7            |
| Physics HL             | Physics 305 and<br>305L: College<br>Physics I | 5                    | 6,7            |
| Psychology HL          | Psychology 101:<br>General<br>Psychology      | 4                    | 6,7            |
| Social Anthropology HL | Anthology 250:<br>Cultural<br>Anthropology    | 4                    | 5,6,7          |

<sup>1</sup>A student who receives an “I/INC” that results in a CGPA below the SAP standards will be placed on probation until



## STANDARDS FOR STUDENT ACHIEVEMENT

*“A good name is to be chosen rather than great riches,  
Loving favor rather than silver and gold.”  
~ Proverbs 22:1*



*Pinning Ceremony, AUHS School of Nursing*

## GRADING SYSTEM AND PROGRESS EVALUATION

Students receive grades based upon classroom participation, laboratory and project work, written examinations as well as externship evaluation. Students will be given a grade record for each course participated in. AUHS utilizes the following grade system:

| GRADE | PERCENTAGE | GPA | INDICATES                 |
|-------|------------|-----|---------------------------|
| A     | 93.0-100   | 4.0 | Superior Achievement      |
| A-    | 90.0-92.99 | 3.7 |                           |
| B+    | 87.0-89.99 | 3.3 |                           |
| B     | 83.0-86.99 | 3.0 | High Level of Achievement |
| B-    | 80.0-82.99 | 2.7 |                           |
| C+    | 78.0-79.99 | 2.3 |                           |
| C     | 76.0-77.99 | 2.0 | Satisfactory Achievement  |
| C-    | 70.0-75.99 | 1.7 | Non-Passing               |
| D+    | 67.0-69.99 | 1.3 |                           |
| D     | 63.0-66.99 | 1.0 | Marginal Achievement      |
| D-    | 60.0-62.99 | 0.7 |                           |
| F     | <60        | 0.0 | Failed                    |
| I/INC | Incomplete | 0.0 |                           |

## DEFINITION OF OTHER GRADES

| OTHER GRADE | INDICATES                | RECEIVED CREDIT | AFFECTS GPA | COMMENT   |
|-------------|--------------------------|-----------------|-------------|---|
| W           | Withdrawal               | No              | No          |   |
| L           | Leave of Absence         | No              | No          |   |
| CR          | Credit                   | Yes             | No          |   |
| U           | Un-authorized Withdrawal | No              | No          |   |
| Passed      |                          |                 |             | Achievement grade of C or Better (Undergraduate) B or Better (Graduate) |
| Failed      |                          |                 |             | Achievement grade of C- or below (Undergraduate) B- or below (Graduate) |

Students failing to complete any course subject will be given an incomplete. To obtain credit, that portion would have to be retaken for a final grade credit.

\* **Note:** Certain programs may require higher standards for acceptable class pass – e.g., “**Masters in Clinical Research**” requires a “**B**” to pass. For “**Bachelor in Nursing**” a “**C+**” is required to pass. For further information, see program student handbook.

### Minimum Grade Point Average

The grade average required for certifying completion of course is a minimum passing grade of 2.0 letter grade of C for undergraduate program\*. The grade average required for certifying completion for the Post Graduate Certificate is 2.7 or B- or above. For the Master’s Program, the grade average required for certifying completion is 3.00 or B or above. For the Doctor of Pharmacy program, the grade average required for certifying completion is 2.0.

**Note:** Certain programs may require higher standards for acceptable program pass – e.g., BSN requires a 2.5 to progress. For further information, see program student handbook.

### Conditions for Re-enrollment

Re-enrollment or reentrance will be approved only after satisfactory evidence is shown to the Program Dean/Academic Dean or a designated representative that conditions that caused the interruption for unsatisfactory progress have been rectified.

## SATISFACTORY ACADEMIC PROGRESS

To be in good academic standing with the university and to be eligible to receive Title IV aid, students must maintain satisfactory academic progress (applicable only to students enrolled in an academic program). At the end of each quarter (payment period), each student is evaluated on three components to determine if he/she is maintaining satisfactory academic progress:

1. CGPA
2. Successful course completion rate
3. Maximum Time Frame – credits attempted relative to the maximum credits attempted that are allowed (1.5 times the credits in the student’s program).
4. Maximum Time Frame for Doctor of Pharmacy Program - credits attempted relative to the maximum credits attempted that are allowed (2.5 times the credits in the student’s program).

### Evaluation Points

Satisfactory academic progress evaluation points are tied to the student’s academic credits. The EVALUATION POINTS STANDARDS chart describes the evaluation point standards for undergraduate students.

### Pass/No Pass Courses

Foundational courses that are graded pass (P) or no pass (NP) do not count in the Cumulative Grade Point Average (CGPA) or Maximum Time Frame (MTF) calculations.

## Evaluation Points Standards

| Evaluation Point  | Minimum CGPA | Minimum Successful Completion % of Credits | Academic Status                              |
|---|--------------|--|--|
| 1-18 Credits Attempted  | 2.0          | 67%  | FA Warning/<br>FA Probation/<br>FA Dismissal |
| 18.1-72 Credits Attempted   | 2.0          | 67%  | FA Warning/<br>FA Probation/<br>FA Dismissal |
| 72.1-300 Credits Attempted  | 2.0          | 67%  | FA Warning/<br>FA Probation/<br>FA Dismissal |
| <p><i>Note: Students enrolled in masters-level programs must complete a minimum of 67% of the cumulative credits attempted and maintain a minimum 3.0 CGPA at each evaluation point.</i></p> <p><i>AUHS student will be evaluated at the end of each quarter for the duration of his/her program.</i></p> <p><i>AUHS will round of for pace of progression (example: 66.5% will be round of to 67%)</i></p> |              |  |  |

### Cumulative GPA Requirements

Students enrolled in undergraduate-level programs must attain a CGPA 2.0 at the end of the first 18 credits attempted. Students must maintain a 2.0 CGPA each quarter thereafter.

A minimum of 3.0 CGPA is required for Master's programs. For the Doctor of Pharmacy program, students must attain a CGPA 2.0 at the end of the first 18 credits attempted. Students must maintain a 2.0 CGPA each quarter thereafter. For Program Graduation requirements, refer to Program's student handbook.

### Completion Rate Requirements

At the midpoint of the first academic year (up to and including 18 quarter credit hours attempted), students enrolled in undergraduate-level programs must have completed a minimum of 67% of the cumulative credits attempted. From that point (18 quarter credit hours attempted) to the end of the second academic year (up to and including 72 quarter credit hours attempted), students must complete a minimum of 67% of the cumulative credits attempted to be making satisfactory progress. From 72.1 to the end of his/her program, the student must complete a minimum of 67% of the cumulative credits attempted to be making satisfactory progress. Any credits for which the student has remained enrolled past the Drop period and has incurred a financial obligation are considered in this calculation. Students enrolled in graduate-level programs must complete a minimum of 67% of the cumulative credits attempted at the end of each quarter to be making Satisfactory Academic Progress. To calculate the completion rate, divide cumulative quarter credit hours a student successfully completed by cumulative quarter credit hours student has attempted.

### Financial Aid Warning, Financial Aid Probation and Financial Aid Dismissal

At the end of each quarter (payment period), after grades have been posted, students' CGPAs and completion rates are reviewed to determine whether the students are meeting the above requirements.

Financial Aid Warning (FA Warning) is the status students will be placed in for the first quarter (payment period) that a student fails the SAP requirements listed above. Students on FA Warning must meet with their program chair/dean or designee to develop a Student Learning Enhancement Plan that, if followed, will ensure the student is able to meet SAP in a maximum of three quarters. Students who meet the SAP Standards at the end of the FA Warning quarter will be removed from FA Warning and returned to a SAP Met/Good Standing status. Students not meeting the SAP requirements at the end of the quarter (payment period) may be dismissed and must appeal to remain in school (see SAP Appeals). Students placed on FA Warning are eligible to receive Title IV aid.

Students not meeting SAP at the end of the FA Warning quarter must appeal to the school in writing describing the mitigating circumstances that led them to not meet SAP (please see SAP Appeals). If a student chooses not to appeal or his/her appeal is denied he/she will be dismissed. Students whose appeal has been approved will be placed on Financial Aid Probation (FA Probation). Students on FA Probation will continue on a Student Learning Enhancement Plan that, if followed, will ensure the student is able to meet SAP in a maximum of two quarter (payment periods). Students who meet the SAP Standards at the end of their FA Probation quarter (payment period) will be removed from FA Probation and returned to a SAP Met/Good Standing Status. Students not meeting the SAP standards at the end of the FA Probation quarter but continue to meet the requirements laid out in the Student Learning Enhancement Plan will be allowed to continue and do not need to re-appeal. Student failing to meet the requirements laid out in the Student Learning Enhancement Plan will be dismissed from the university. Students placed on FA Probation are eligible to receive Title IV aid.

Students not meeting SAP and not meeting the requirements listed on the Student Learning Enhancement Plan at the end of the FA Probation quarter (payment period) will be dismissed from school. Students who have mitigating circumstances that led them to not meet SAP (see SAP Appeals) or adhere to the Student Learning Enhancement Plan can appeal this dismissal.

Students on FA Warning have a maximum of three quarter to meet SAP, students on FA Probation have a maximum of two quarters to meet SAP, and a FA Dismissal student has a maximum of one quarter to meet SAP. If at any point it is determined that it is mathematically impossible to meet

the SAP standards in the maximum number of quarters allowed, the student must be dismissed.

| Situation  | Academic Status | Federal Eligibility Financial Aid   |
|--|-----------------|---|
| First quarter in which CGPA and/or completion rate is below minimum standards                                    | FA Warning      | Students are still eligible for federal financial aid for the following quarter   |
| Second consecutive quarter in which CGPA and/or completion rate is below minimum standards and who have appealed | FA Probation    | Students are still eligible for federal financial aid for the following quarter pending successful appeal   |
| Third consecutive term in which CGPA and/or completion rate is below minimum standards                           | FA Dismissal    | Students are eligible for federal financial aid because they are following a Student Learning Enhancement Plan and can meet the SAP requirements by the end of the Dismissal quarter. |

### **SATISFACTORY ACADEMIC PROGRESS (SAP) PROBATION OR DISMISSAL APPEAL**

Students who are eligible to appeal may do so by submitting a Financial Aid Appeal form to the Financial Aid Administrator explaining the mitigating circumstances that affected his/her performance. The student must provide documentation of the circumstances that had an adverse impact on his/her performance. Below is a comprehensive list on the appeal process.

- Death of an immediate family member
- Student illness requiring hospitalization (this includes mental health issues)
- Illness of an immediate family member where the student is a primary caretaker
- Illness of an immediate family member where the family member is the primary financial support
- Abusive relationships
- Divorce proceedings
- Previously undocumented disability
- Work-related transfer during the quarter
- Natural disaster
- Family emergency
- Financial hardship such as foreclosure or eviction
- Loss of transportation where there are no other means of transportation
- Documentation from a Professional Counselor

- Student is following the Student Learning Enhancement Plan

In conjunction with Student Services/Student Affairs Department, the Program Deans/ Academic Deans are responsible for determining the appropriateness of the mitigating circumstances in regard to severity, timeliness and the student's ability to avoid the circumstances. Any consideration of the conditions outside of the list provided must be appealed to the Chief Academic Officer/Provost.

To appeal the application of the satisfactory academic progress standards, the student must follow the appeal process:

1. Obtain a Financial Aid Appeal Form from the Financial Aid Department. Appeal must include:
  - a. Why student failed to meet SAP
  - b. What has changed that will allow the student to meet SAP at the next evaluation point
2. Prior to the last day of Drop or prior to the re-entry quarter, complete the form and submit it to the Financial Aid Department.
3. Should the appeal be granted, the student must meet with the Program Dean/ Academic Dean or designee to develop a Student Learning Enhancement Plan
4. Continue to attend regularly scheduled classes during the review period.

The Program Dean/Academic Dean will review the student's request and reach a decision no later than the 14th calendar day after the quarter start.

Appeal Process for Financial Aid Probation The appeal can be approved if:

1. The student has a mitigating circumstance and
2. The student will be able to meet SAP at the end of the next quarter (payment period) or
3. The student is following the Student Learning Enhancement Plan that, if followed, the student will meet SAP within two quarters.

If the appeal is granted, the student will be placed on a SAP status of Financial Aid Probation. As part of the FA Probation, the student must agree with and sign the Student Learning Enhancement Plan developed by the Program Dean/Academic Dean or designee.

#### **Appeal Process/Dismissal**

For students who successfully appealed FA Probation the previous quarter and are meeting the terms outlined in the Student Learning Enhancement Plan but still are not meeting SAP do not have to appeal the Dismissal and will continue to remain eligible for Title IV aid for one additional quarter (payment period). In such a situation, the student's academic progress would be re-evaluated at the end of the next quarter.

If the student is not meeting the conditions stated on the Student Learning Enhancement Plan (LEP) they must appeal this dismissal status.

The appeal can be approved if:

1. The student has a mitigating circumstance that occurred during the FA Probation quarter and;
2. The student will be able to meet SAP at the end of the next quarter (payment period).

Should an appeal be denied, the students' dismissal stands, and he/she can no longer attend classes; any tuition charges that have been posted for the current quarter will be reversed. A student may appeal academic dismissal only one time.

#### **Reestablishment as a regular (Title IV eligible)**

Students who fail to meet the SAP standards for two consecutive quarters or who are dismissed must complete the appeal. Students whose appeal has been approved are eligible to receive Title IV aid in that subsequent quarter. During that quarter, the student must follow the terms outlined in the Student Learning Enhancement Plan. Students on FA Probation or FA Dismissal SAP Status will remain in active school status and will have their progress evaluated at the completion of each quarter by the Program Dean/Academic Dean or Student Services/ Student Affairs Department.

### **MAXIMUM PROGRAM LENGTH**

#### **Bachelors and Master's Program**

Students must complete the entire program within one- and one-half times the standard program length, which is defined by the college as the total number of credit hours in the program. Therefore, the maximum time frame for any program is calculated by multiplying the number of total credits by 1.5.

For example, a student enrolled in a 90 -credit-hour program can attempt no more than 135 credit hours.

Should a student exceed the 150% maximum time requirement, he/she will be dismissed. American University of Health Sciences, as directed by the federal government, does not allow students who do not raise their CGPAs or completion rates of progress to the necessary minimums to continue to receive federal financial assistance, regardless of the students' circumstances. See the chart on this page for further explanation. Students may appeal the dismissal. Appeals will be reviewed on a case-by-case basis.

#### **Doctor of Pharmacy Program**

Because of the specific nature and delivery format of professional education program, students must complete the entire program within two- and one-half times the standard program length, which is defined by the college as the total number of credit hours in the program.

Therefore, the maximum time frame for the program is calculated by multiplying the number of total credits by 2.5.

For example, a student enrolled in a 90-credit-hour program can attempt no more than 225 credit hours.

Should a student exceed the 250% maximum time requirement, he/she will be dismissed. American University of Health Sciences, as directed by the federal government, does not allow students who do not raise their CGPAs or completion rates of progress to the necessary minimums to continue to receive federal financial assistance, regardless of the students' circumstances. See the chart on this page for further explanation. Students may appeal the dismissal. Appeals will be reviewed on a case-by-case basis.

### **DUAL DEGREE**

Students may earn two or more degrees from American University of Health Sciences; however, a student may only be enrolled in one degree at a time. Credits earned for the first degree may apply toward subsequent degrees. Upon enrolling in a second degree, a determination will be made of the student's satisfactory academic progress in the credits attempted and grades earned that count toward the new program of study.

### **PROGRAM CHANGES**

The maximum time frame for a student who changes from one field of study to another is adjusted by subtracting the earned course credits that are common to both programs and program levels from the total credits in the new program and multiplying that number by 1.5. Depending on the program, the academic/program dean or designee will evaluate a student's academic progress and transfer all relevant courses. All transfer courses will be counted in completion ratio and used in computing in the CGPA. Students must be admitted and enrolled in the new program by the end of the Add/ Change and Drop period of the quarter applicable. For graduate program see Student Handbook.

### **INCOMPLETES, WITHDRAWALS AND REPETITION OF COURSES**

Students with course incompletes, withdrawals, repetitions, and those doing foundational work are eligible to continue receiving financial aid if the following conditions are met:

1. The student is otherwise making satisfactory progress.
2. Students who satisfactorily complete a course but choose to repeat the course are eligible to receive Title IV aid for the first time the course

is repeated. Any subsequent course repeats will not be Title IV eligible.

### **Incomplete**

The “I/INC” symbol is a notation on the transcript that reports that the student was registered in and attended a class, but that a portion of the required coursework was not completed by the end of the Quarter. The incomplete grade is NOT to be used for other than serious and unavoidable problems that prevented the student from completing all course requirements on time. Typical reasons for an incomplete grade include serious illness or catastrophic event for the student or close family member. Documentation of the reason is required. The student must have a passing grade in the completed work at the time of the request and have completed more than 50% or the course work requirements (pertains to completed work -not attendance). An incomplete cannot be given as a final grade. At the end of the quarter, the student may, with prior approval of the Program Dean/ Academic Dean or Faculty be granted a minimum extension of 14 calendar days to complete the required class work, assignments and/or tests. The extension cannot be used to make-up for accrued absences from class. If the student does not complete the required work within the 14 days extension period, they will receive a failing grade of “F” or the grade achieved factoring in only work completed by end of the quarter, whichever is higher. Note, in extreme documented circumstances, and ONLY at the discretion of the Program Dean/ Academic Dean, this may be extended for 7 (or more) additional calendar days. Note that students who have an incomplete in a prerequisite course will not be able to register for the next course in the sequence until the incomplete course is successfully completed.

Procedures/Requirements for requesting an Incomplete: The student meets with the Faculty member to complete the “Assignment of Incomplete Grade Form” (posted on CANVAS). It is the student’s responsibility to obtain required signatures and consent of the instructor and the Program Dean/ Academic Dean before the last day of class and prior to the day of the final exam unless other arrangements have been made in advance (extreme circumstances). Completed form should be given to the Faculty member with a copy submitted to Student Affairs/Services Department.

Faculty must assign a default grade which is the current grade for completed work when approving an incomplete. Incomplete (Inc.) will be recorded on the student’s transcript when a completed grade is not assigned by the instructor and/or an extension of the incomplete is not processed. If work is not completed, the “I” grade will revert to an F.

### **Repetition of Courses with C-/D-F Grades**

(For Undergraduate programs)

Courses that are required for a student’s major/minor may only be repeated one time. Only courses for which C-, D, and F, were assigned may be repeated for a higher grade or CR. In cases of repeated courses, the units are counted once, and the higher grade is computed in the GPA if the course is repeated at AUHS. \*For specific program policy, see Student Handbook.

### **Repetition of Courses with B- (For Master’s Program)**

Only courses for which B- and below were achieved may be repeated for a higher grade. Courses that are required for a student’s major may only be repeated one time at AUHS.\*For specific program policy, see Student Handbook.

### **Repetition of Courses**

(For Doctor of Pharmacy program) Courses that are required for a student’s major/minor may only be repeated two times. Only courses for which C-, D, and F, were assigned may be repeated for a higher grade or CR. In cases of repeated courses, the units are counted once, and the higher grade is computed in the GPA if the course is repeated at AUHS.\*For specific program policy, see Student Handbook.

### **Repeating Courses**

Any university course, theory, lab, or experiential may be repeated maximum of two times depending on the program.

\*For specific program policy, see Student Handbook.

### **Withdrawal from Courses**

The grade of W indicates withdrawal from a course. Students wishing to withdraw from a course must meet the following requirements:

Within the first seven calendar days of the quarter, students may withdraw from any course with no record of the individual course withdrawal on their permanent academic record. After the “no-record drop” deadline, students may withdraw with a W grade from any course, but only for serious and compelling reasons.

In some cases, reduced tuition may apply. Please refer to the financial aid section of the catalog for further information.

After the deadline for withdrawal (last day of the seventh week-refer to the calendar), a student may request permission to be allowed to withdraw from all of her/his classes because of a medical emergency or extraordinary circumstance by submitting a withdrawal form to the appropriate Program Dean/Academic Dean. The W designation carries no connotation of quality of student performance and is not calculated in the grade point average.

| COUNTING GRADES FOR THE COMPLETION RATE CALCULATION |                   |                   |                   |
|---|-------------------|-------------------|-------------------|
| Grade   | Credits Attempted | Credits Completed | Calculated in GPA |
| A - D   | Yes               | Yes               | Yes               |
| F   | Yes               | Yes               | Yes               |
| Incomplete (I/INC) <sup>1</sup>                     | Yes               | No                | Yes               |
| Withdrawal (W)                                      | Yes               | No                | No                |
| Repeated course                                     | Yes               | No                | No                |
| Pass (P)  | No                | No                | No                |
| Fail (F)  | No                | No                | No                |
| Transfer Credit (TR)                                | Yes               | Yes               | No                |

<sup>1</sup>A student who receives an "I/INC" that results in a CGPA below the SAP standards will be placed on probation until such time as the "I/INC" is removed and the CGPA is reevaluated.

### Foundation Course Credit

Foundation course credits do not count toward the total number of credits for graduation, nor do they count in the CGPA or completion rate.

### Transfer Credit

Accepted transfer credit from external schools will count toward completion of the student's program as both hours attempted, and hours completed.

## PROBATION

### Academic Probation

A student is placed on probation for failing to maintain a 2.0 GPA for all courses undertaken in a quarter. A student must achieve a GPA of 2.0 or higher, during the following quarter in order to continue in the university.

### Academic Dismissal

A student is subject to dismissal for the following reasons:

- Failure to maintain a minimum CGPA of 2.0 during a probationary quarter.
- Failure to maintain a minimum cumulative GPA of 2.0.
- Failure of two courses in any quarter (nursing only)
- Second failure of repeated course (nursing only)
- 3rd failure of repeated course (lower division)

\* For Doctor of Pharmacy, see program student handbook.

Students are notified by the appropriate Program Dean/Academic Dean of their dismissal. When extenuating circumstances, such as prolonged illness, account for the disqualification, the student may be permitted, on written requests to the appropriate Program Dean/ Academic Dean, to continue on probation for the next quarter.

Enrollment in any AUHS program implies willingness on the part of the student to comply with the requirements and regulations of the university. If the student fails to comply with these requirements and regulations, or if it is determined by the Program Dean/ Academic Dean that the student is not able to benefit from the opportunities offered by the university, withdrawal may be requested even though no specific breach of discipline is charged.

### Non-Academic Probation

A student may be placed on non-academic probation for behavioral reasons and must work with the faculty or Program Dean/ Academic Dean to prepare a remediation plan, which may include a requirement that the student enter mental health counseling. A student must fulfill all the conditions of their probation in order to continue in the University. Note: for specific behaviors that present a danger to self or others or lead to disruption in the work of the university, a student may be suspended without notice and even summarily dismissed from the University.

### Withdrawal from University

Students thinking of withdrawing from the University should schedule an interview with the Student Affairs/Services Director in order to explore other options or assistance. Students who must withdraw from the university at any time must file a request for withdrawal in the Students Affairs/Services Office. Students wishing to re-enter must file an application for re-admission with the Admissions Office.

### Warning (All Program)

Warning, probation, or dismissal will be initiated when a student has unsatisfactory achievement in any area of the nursing program. Below are the applications specific to the School of Nursing.

Conditions for warning are:

1. Theory grade of "B-", or below at mid-quarter in any nursing course.
2. Clinical grade of "B-", or below at any point in the course.
3. Behavior not consistent with the School of Nursing's (SON's) Standards for Safe Care.
4. Failure to meet attendance requirements.
5. Failure to comply with established BSN policies.
6. Any behaviors that is contrary to the policies and procedures of AUHS and the SON and/or breaches in the Nursing Practice Act.

### Clinical Warning (For Nursing Program Only)

The student who is placed on warning in a clinical course will remain on warning status until the end of the course. At the end of the course, the student will either:

1. Receive a satisfactory grade.
2. Receive an unsatisfactory grade and will not be allowed to progress in the program.

3. For a rotation, which is less than one quarter, the warning may be extended into one or more rotations at the discretion of the faculty.

### **Theory Warning (All Programs)**

A student placed on academic warning in a theory course at any time during the quarter will remain on warning status until the end of the course. At that time, the student will either:

1. Receive a satisfactory grade and be removed from the warning status.
2. Receive an unsatisfactory grade and repeat the course. A nursing theory course can be repeated no more than once.

### **Procedure for Warning (All Programs)**

Students placed on warning must meet with the faculty, which will serve to:

- a. clarify the problem;
- b. initiate a plan for achieving satisfactory grade;
- c. complete the SON's Student Learning Enhancement Plan for clinical courses.

The student has the right to a meeting with the involved faculty. It is the student's responsibility to request, in writing the meeting with the faculty. If the student does not attend the initial meeting, SON's Student Learning Enhancement Plan for the course will reflect this non-attendance.

*\*For Doctor of Pharmacy, see program student handbook.*

### **Factors Affecting Program Length**

American University of Health Sciences makes every effort to ensure students complete their programs in the disclosed program length. Factors that may increase a student's program length may include but are not limited to: less than full-time enrollment, withdrawal from courses, re-taking courses, and financial ability. Students are advised to work closely with the department program chairs, Student Affairs/ Student Services Department, Financial Aid Office, and the Business Office to ensure proper progression through their program.

### **Theory Course Failure**

(For Undergraduate and Graduate Program)

The student will:

- Receive a letter from the Program Dean/Academic Dean or Designee informing them of their failure.
- Meet with the course faculty to discuss circumstances of the failure.
- Meet with the Student Affairs/Services Director to clarify how to proceed with courses. The student may remain at the university but may not be allowed to proceed to the next course sequence.

- Repeat the failed class the next time it is offered.

### **Readmission to Undergraduate and Graduate Program Procedure:**

1. If the student decides to write a request letter to the Admissions Committee for possible re-admittance to a university degree Program, the letter should include:
  - a. Reason for not passing the course(s)
  - b. What the student has done to take care of the problem(s)
  - c. How the student will prevent it from happening again
2. It is highly encouraged that a student meets with their Admissions Advisor for help with this letter.
3. The Admissions Committee will make the decision regarding re-admission. The committee may ask the student for additional information to help make this decision.
4. If the student is re-admitted, the student may be given contract/conditions of re-admittance when returning to the appropriate Program. The committee may communicate with Program Dean/Academic Dean and Student Affairs/ Services Director to ensure the student is following the contract/conditions of re-admittance. These contract/conditions of re-admittance will remain in effect throughout the student's stay in the School.

### **Examinations**

Examinations are given as outlined on the schedule. Examinations reflect the focus of each lecture following each syllabus.

Final examinations are given upon completion of all class work. A minimum passing score is set and required, prior to being placed into Preceptorship/Externship if applicable to your program.

The tests administered by faculty to students aim to measure both the theoretical knowledge learned from books and lecture discussions as well as the clinical or application know-how learned from real and simulated exposure of students to the clinical setting. Under each program are specific and measurable objectives for actual student learning that must be achieved and realized by students upon completion of the course. The testing instruments serve the purpose of measuring and evaluating whether the students accomplished the course objectives or not.

### **Study Sessions**

Study sessions are scheduled and pre-arranged by Center for Academic Success (CAS). Any students who seek additional help are encouraged to request a study session.



Students are requested to come prepared to ask specific questions of difficulty in order to facilitate time expenditures. Additional times may be arranged with the faculty as needed.

In addition, each of the programs offered by the University may require group projects. These projects are research oriented, extensive, and detailed in nature and permit the students the chance to work together as a team in putting together the resources needed for presentation and submittal purposes.

## ACADEMIC AWARDS

### Graduation Awards

Bachelor's degree students achieving a CGPA of 3.80–4.00 will graduate Summa Cum Laude, students achieving a CGPA of 3.70–3.79 will graduate Magna Cum Laude and students achieving a CGPA of 3.50–3.69 will graduate Cum Laude.

Certificate/diploma students achieving a 3.50 CGPA or higher upon completion of the program will graduate with highest honors.

## QUARTER AWARDS

### President's List

Students maintaining a term GPA of 3.80–4.00 will be placed on the President's List.

### Dean's List

Students maintaining a term GPA of 3.50–3.79 will be placed on the Dean's List.

## ACADEMIC HONOR CODE

### Academic Integrity

The Administration of American University of Health Sciences believes that integrity is an important attribute for the student population. Students are given the freedom to learn, explore and question, but this must truly be an individual experience. All students need to understand the seriousness of cheating, collusion, and plagiarism.

Plagiarism: obtaining, by any means, the work of another student and submitting this work, as own's work.

Collusion: unauthorized collaboration with another student in preparing work for a class.

Cheating: copying/tracing from another student, using unauthorized materials or devices, and/or collaborating with another student in a testing situation or class project.

Fabrication: providing false information about an AUHS related matter in order to gain some benefit to the student.

Students involved in plagiarism, collusion, and/or cheating may face loss of credit for a project, a failing grade for a class, and/or dismissal from the university.

## STUDENT CONDUCT POLICY

Enrollment at the University carries with its obligations of conduct, both inside and outside the University.

Students are expected to conduct themselves in a manner that is a credit to them, the University and other health professions at all times.

American University of Health Sciences reserves the right to dismiss any student when the action is deemed necessary and in the best interest of all concerned: The University, the student body, or the student. Every student is expected to respect the rights of others.

Any physical violence between the student and another person(s) or malicious damage to property will be a cause for immediate suspension for all parties involved pending an investigation by administrative personnel.

Possession of alcohol, drugs or any type of weapon is prohibited at this Institution. It is the intent of this University is to be a drug free. Possession use or sale of alcoholic beverages or drugs will be cause for immediate termination. The possession uses or sales of drugs will be reported to the appropriate authorities. If you require any information regarding alcohol or drug abuse, please refer to the Director of Student Services. We have information available regarding the effects of drug and alcohol abuse as well as a listing of agencies for rehabilitation and help.

### Copyright Policy

AUHS is obligated by federal law to inform its students of its policies and sanctions related to copyright infringement. Unauthorized distribution of copyrighted material, including unauthorized peer-to-peer file sharing (e.g., using Bit Torrent to obtain/distribute music or movies) may subject students to civil and criminal liability.

### Statement of Non-Discrimination

American University of Health Sciences does not discriminate on the basis of sex, age, physical handicap, race, creed or religion in its admission to or treatment in its program and activities, including advertising, training, placement and employment. The Student Services Director is the coordinator of Title IX- the Educational Amendments Act of 1972, which prohibits discrimination on the basis of sex in any education program or activity receiving federal financial assistance. All inquiries or complaints under the sex discrimination provisions of Title IX should be directed to the Student Services Director. The Student Services Director must act equitably and promptly to resolve complaints and should provide a response within seven working days.

### Equal Opportunity

American University of Health Sciences supports Equal Opportunity for all people regardless of their race, religion, sex, or disability.

### **Written Paper Format**

The required format for submitting papers in all programs is the Publication Manual of the American Psychological Association (APA), most current edition. This book is available in the library.

### **Make-up Work**

Students are required to make up all assignments and work missed as a result of excused/unavoidable absence. The instructor may assign additional outside make-up work to be completed for each absence. The instructor may also choose to assign a "0" for missed work. Arrangements to take any tests missed because of an absence must be made with the faculty and/or approved by the Program Dean/Academic Dean. These accommodations are not guaranteed and reserved for emergency/unavoidable situations.

### **Cheating**

Cheating on an exam will result in a failing grade on that exam and will minimally place the student in a probationary status for the remainder of the quarter. Warning: Students may also be dismissed for any incidents of cheating (depending on the consideration by the administration to determine the incident to be serious & intentional).

### **Remediation**

AUHS has a formal remediation program through CAS, which is established to identify those students "at risk" for program progression. Students are referred to remediation formally via the Remediation Referral document called the Learning Enhancement Plan (LEP) which outlines student's areas of weakness and deficiencies. Students may be identified by a faculty member, faculty, and/or other staff members who may be working with the student. Additionally, enrolled students who demonstrate a need for additional services may self-identify.

The following factors may indicate a student's need for remediation:

- Self-determined need for supplemental support services.
- Failure to participate in learning activities.
- Performance on a course exam or quiz, as manifest by a test grade of B- or lower (nursing program only).
- Poor mid-term course evaluation.
- Poor clinical performance.
- Failure to adequately demonstrate Level competencies.
- Possession of a cumulative course grade with a grade of B- or lower (nursing program only).

Once identified, the student will be required to create a joint remediation/retention plan with a Faculty member

and participate in activities as specified within the approved plan.

Student Learning Enhancement Plan may include, but not be limited to:

- Meetings with a Faculty, frequency as identified in the plan but not less than two instances per plan.
- Attendance in supervised tutoring.
- Monitored completion of skill practice hours in the Labs.
- Verified participation in web accessible tutorials or other available tutoring tools, inclusive of ATI and/or other Total Curriculum Support programs (All Programs).
- Completion and submittal of an academically approved written paper and/or presentation inclusive of research on the deficit subject area.

Once the areas of remediation are completed, the student will have the Student Learning Enhancement Plan signed off by the designated faculty member, as appropriate. Any additional cost associated with the plan will be incurred and satisfied by the student prior to proceeding to the next quarter.

### **LEAVE OF ABSENCE POLICY**

The purpose of a leave of absence (LOA) is to provide students with the opportunity to leave college for an extended period of time without withdrawing or affecting his/her satisfactory academic progress calculations. The Program Dean/Academic Dean, Student Services/ Student Affairs director, or a designee may authorize a leave of absence under the following circumstances:

- A leave of absence may only be granted to a student who has completed a quarter and has not been in class past the end date of the published Add/Change and Drop period of the current quarter in which he/she wishes to take the leave of absence.
- The student must resume classes at the same point at which he/she exited the program.
- The student must provide a signed written request for the leave of absence. The last date of attendance and return date must be clearly identified on the accompanying Leave of Absence form.
- The student has not completed his/her program.
- Under no circumstances will a leave of absence be extended beyond 180 days.
- Multiple leaves of absences may be granted during any 12- month period, beginning with the start of the most recent leave of absence as long as the total days do not exceed 180.
- All loans and grants will be returned to appropriate parties or disbursements rescheduled for the term of an approved leave of absence.

- The student will incur no additional tuition charges during an approved leave of absence.
- If the student is eligible under the authority of the Higher Education Relief Opportunities for Students Act, he/she may verbally request a leave of absence. However, all other conditions apply.

Reasons for granting a leave of absence may include, but are not limited to:

- serious student medical problems
- pregnancy
- military duty
- death of an immediate family member

If a student does not resume classes on or before the approved return date, the student will be withdrawn from the program.

Note: If a student does not return from an approved leave of absence, the grace period for Stafford loans will begin with the last date of attendance.

### **Deployed Military Leave of Absence (LOA)**

A student required to take a leave of absence (LOA) due to military deployment will not have a loss of academic credits earned, institutional scholarships awarded, or registration fees paid when returning from deployed status. Under the 180-day LOA limitation (Subsection [a] [2] [B] of 484B, Higher Education Act of 1965 [20 U.S.C. 1091b]) the student shall not be treated as withdrawn unless the student fails to return upon the completion of the leave of absence.

### **TERMINATION PROCEDURES**

Students may be terminated by the school for cause. Examples include, but are not limited to:

- Violation of the school's attendance policy to include excessive tardiness or absenteeism.
- Failure to maintain satisfactory academic progress.
- Violation of personal conduct standards
- Inability to meet financial obligations to the school.
- Falsified his/her educational status certification.
- Possession, distribution, or use of alcohol or illegal drugs
- Violation of academic honesty policy
- Failure to comply with established University or department regulations and policies
- Placing self and/or others in physical and/or emotional jeopardy.

In critical cases, such as unsafe clinical performance, dismissal may be considered without prior warning or probation. This action requires concurrence of the Program

Dean/Academic Dean, Student Affairs/Services Director, Chief Academic Officer and President of University.

Students to be terminated are notified in writing and may appeal to the respective Program Dean/ Academic Dean or through channels described under Grievance Procedures.

### **ATTENDANCE/TARDINESS**

All students are expected to attend regularly. Absences from class can seriously affect the progress of training. An absence may only be excused by the faculty. Students who are absent will still be required to complete the assigned class work.

Attendance for Undergraduate and Graduate Courses Attendance and punctuality are important for the successful pursuit of study. Therefore, the number of a student's absences may be taken into account in determining academic grades. Students may be expected to explain to the instructor the reason for any absences from class and, in some cases, be asked to provide appropriate documentation.

There is no provision for a system of allowed cuts and absences. Students may be dropped from a class for excessive absences (excessive is defined as missing 20% of the classes) when, in the opinion of the faculty, further enrollment in the class would be of little value to the students.

Students are expected to attend all class meetings. There is no authorized absence from class and irregular attendance may result in exclusion from the class. No provision for making up absent times. It is the student's responsibility to register regularly for class. Students who fail to enroll officially in a class will not be given credit for a class.

Students also have the responsibility of officially withdrawing from the university or dropping from the class in which he/she is enrolled.

If the student is ill, faculty will determine if the student should remain in class and/or in the clinical facility. If the student was sent home for any clinical misbehavior, hours missed are computed as absent. It is the student's responsibility to consult with their faculty regarding his/her attendance.

Any student who incurs the status of excessive absences in laboratory or theory will be dropped from the course. A student may petition for re-instatement by completing the Re-instatement Petition Form from and submitting it to the Student Affairs/Services Office. Depending on history of students, they may meet with the faculty to explain why petition should be granted.

**Attendance Considerations**

- Clinical (for Nursing program) – when students have been absent for an official assignment to a special day (event), faculty may re-assign make-up on other days.
- Scheduling – Faculty may cancel/reschedule a clinical day or lecture due to unavoidable circumstances. If the rescheduling occurs on a day other than the scheduled class day and student is unable to attend, he/she will not be punished but will be expected to make-up the time as assigned. Faculty who is absent must makeup time within the quarter.

**Withdrawal**

If you wish to withdraw for any reason, you must notify AUHS in person or in writing by certified mail. Otherwise, you will be suspended for cause (non-attendance) after (14) consecutive, calendar days.

Outstanding balances on a student account must be paid in full upon withdrawal. If an account is not paid in full, it will accrue finance charges, late fees, and be placed on hold. Unpaid balances may result in a hold being placed on academic transcript requests or any requests from the University.



American University of Health Sciences

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