| BS Pharmaceutical Sciences, Example 4-year curriculum; rev 2024 | | | | | |
| --- | --- | --- | --- | --- | --- |
| Fall 1 | | | Spring 1 | | |
| **Course Code & Title** | **Credits** | **Pre-requisite** | **Course Code & Title** | **Credits** | **Pre-requisite** |
| BIO111 General Biology I | 4 | Completed A | BIO121 General Biology II | 4 | Complete A |
| CHE111 General Chemistry I | 4 | Completed A | CHE121 General Chemistry II | 4 | Complete A- |
| HUM115 Voice & Identity | 3 | Completed A | HUM Methods or Lenses Selective | 3 | Completed (Creative Writing) A |
| PSC110 SRA 1 | 2 | Completed A+ | PSC111 SRA 2 | 2 | Complete |
| PSC115 Survey of Pharm Sci | 1 | Completed A+ | **LAS Liberal Arts Elective** | 3 |  |
| PSY101 OR SOC101 | 3 | Completed A- |  |  |  |
| **Total Credits** | **17** |  | **Total Credits** | **16** |  |
| Fall 2 | | | Spring 2 | | |
| **Course Code & Title** | **Credits** | **Pre-requisite** | **Course Code & Title** | **Credits** | **Pre-requisite** |
| CHE211 Organic Chemistry I | 4 | Completed A+ | CHE222 Organic Chemistry I | 4 | Completed A |
| MAT111 Calculus I | 4 | Completed A - | MAT145 Elementary Statistics | 3 | Completed A |
| PHY212 College Physics I | 4 | Completed A | **LAS Liberal Arts Elective** | 3 |  |
| HUM Methods or Lenses Selective | 3 | Bioethics A+ | DIR Directed Elective | 6 | Anatomy,Physics II |
| PSC112 SRA 3 | 2 | Completed A+ |  |  |  |
| **Total Credits** | **17** |  | **Total Credits** | **16** |  |
| Fall 3 | | | Spring 3 | | |
| **Course Code & Title** | **Credits** | **Pre-requisite** | **Course Code & Title** | **Credits** | **Pre-requisite** |
| PSC311 Biochemistry | 3 | Completed A | PSC312 Molecular Biology | 3 | Completed A- |
| PSC321 Physiology/Pathophys I | 4 | Completed A | PSC322 Physiology/Pathophys II | 4 | Completed A |
| PSC309 Pharm Analyt Tech I | 3 | Completed A+ | PSC310 Pharm Analyt Tech II | 3 | Completed A |
| PSC369 MFDA | 3 | Completed A+ | PSC371 Pharmacology I | 3 | Completed A |
| **LAS Liberal Arts Elective** | 3 |  | DIR Directed Elective | 6 | Quantitative Drug D, Clinical Biochem |
| **Total Credits** | **16** |  | **Total Credits** | **16** |  |
| Fall 4 | | | Spring 4 | | |
| **Course Code & Title** | **Credits** | **Pre-requisite** | **Course Code & Title** | **Credits** | **Pre-requisite** |
| PSC409 Capstone\* | 3 | N/A | PSC Capstone Selective\* | 3 | N/A |
| PSC410 Thesis I\* | 3 | Completed | PSC411 Thesis II\* | 3 | Completed |
| **LAS Liberal Arts Elective** | 3 |  | **LAS Liberal Arts Elective** | 6 |  |
| DIR Directed Elective | 6 | PSRE, Anatomy II | **DIR Directed Elective** | **6** | **A&P labs (2 credits),PSRE(2 Credits) ==> Only 2 Remaining** |
| **Total Credits** | **12** |  | **Total Credits** | **15** |  |

BS Pharmaceutical Sciences Curriculum; 2024 **BSPS (BS in Pharmaceutical Sciences; “traditional” research focus or pre-health) Total credits: 125**

**Physical Sciences and Mathematics (33 credits):**  
CHE111 General Chemistry I  
CHE121 General Chemistry II  
CHE211 Organic Chemistry I  
CHE221 Organic Chemistry II  
PHY212 College Physics I   
MAT121 Calculus I  
MAT145 Statistics  
PSC309 Pharmaceutical Analytical Techniques I  
PSC310 Pharmaceutical Analytical Techniques II  
**Biological Sciences (28 credits):**  
BIO111 General Biology I  
BIO121 General Biology II  
PSC311 Biochemistry  
PSC312 Molecular Biology  
PSC321 Physiology/Pathophysiology I  
PSC322 Physiology/Pathophysiology II  
PSC369 Molecular Foundations of Drug Action I  
PSC371 Pharmacology I  
**Communications and Humanities (12 credits):**   
HUM115 Voice & Identity  
HUM Humanities Selective 1 (Methods and Approaches)  
HUM Humanities Selective 2 (Lenses)  
PSY101 General Psychology OR SOC101 Intro to Sociology  
**Interdisciplinary (13 credits):**  
PSC110 Scientific Reasoning & Analysis I  
PSC111 Scientific Reasoning & Analysis II  
PSC112 Scientific Reasoning & Analysis III  
PSC115 Survey of Pharmaceutical Sciences  
PSC409 Capstone and 3 credits Capstone Selective OR PSC410 Thesis I and PSC411 Thesis II\*  
\*NOTE: Students take either Capstone + Selective OR Thesis I + Thesis II  
**Directed Electives (minimum 22\* credits)**-- Math/Science course which helps students achieve their career goals; Example course prefixes for Directed Electives: BIO-, CHE-, MAT-, PSC-  
**General Education/Liberal Arts/Humanities Electives (minimum 17 credits):**   
Example course prefixes: ART-, ENG-, HUM-, LIT-, PHI-, COM-, GEN-, PBH-, PSY-, SOC