

| Physics/Astronomy 8-Semester Plan: Calculus Start | | | |
|---|----------------|---|----------------|
| Year 1 | | | |
| <i>Fall 2021 Semester</i> | | <i>Spring 2022 Semester</i> | |
| Course | Credits | Course | Credits |
| Gen Ed: Basic Communication | 4 | MAT252 Calculus II | 4 |
| MAT251 Calculus I | 4 | CHE202 General Chemistry II | 3 |
| CHE201 General Chemistry I | 3 | CHE212 General Chemistry II Lab | 1 |
| CHE211 General Chemistry I Lab | 1 | PHY201 General Physics I | 3 |
| PHY205 Expl'g the Solar System | 3 | PHY211 Physics I Lab | 1 |
| Physics & Astronomy Seminar ^{*1} | 1 | Gen Ed: Foreign Language 1 | 3 |
| Semester Total | 16 | Semester Total | 15 |
| Year 2 | | | |
| <i>Fall 2022 Semester</i> | | <i>Spring 2023 Semester</i> | |
| Course | Credits | Course | Credits |
| MAT341 Applied Mathematics I | 3 | MAT342 Applied Mathematics II | 3 |
| MAT353 Calculus III | 4 | Elective by advisement: | 4 |
| PHY202 General Physics II | 3 | CPS210 Computer Science 1 ^{*3} | |
| PHY212 General Physics II Lab | 1 | PHY308 Modern Physics 1 | 3 |
| Gen Ed: Foreign Language 2 ^{*2} | 3 | PHY309 Modern Physics 2 or | 3 |
| | | PHY340 Intro to Astrophysics | |
| | | General Education course | 3 |
| Semester Total | 14 | Semester Total | 16 |
| Year 3 | | | |
| <i>Fall 2023 Semester</i> | | <i>Spring 2024 Semester</i> | |
| Course | Credits | Course | Credits |
| PHY306 Mechanics 1 | 3 | PHY322 Optics | 3 |
| PHY342 Planetarium Operations | 3 | PHY310 Modern Physics Lab or | 1 |
| PHY344 Extraterrestrial Life | 3 | PHY323 Optics Laboratory | |
| General Education course | 3 | PHY341 Observational Astronomy | 3 |
| Diversity course | 3 | General Education courses (2) | 7 |
| Semester Total | 15 | Semester Total | 14 |
| Year 4 | | | |
| <i>Fall 2024 Semester</i> | | <i>Spring 2025 Semester</i> | |
| Course | Credits | Course | Credits |
| PHY307 Mechanics 2 | 3 | PHY491 Physics Senior Project | 3 |
| PHY313 Electricity & Magnetism | 3 | PHY305 Computational Physics | 3 |
| PHY331 Quantum Mechanics | 3 | PHY422 Thermal Physics | 3 |
| Elective by advisement: | 3 | Elective by advisement: | 3 |
| PHY345 Galaxies and Cosmology | | PHY424 Advanced Physics Lab (WI) | |
| General Education course | 3 | General Education course | 3 |
| Semester Total | 15 | Semester Total | 15 |
| Total Credits: 120 | | | |
| ^{*1} Not required (NR), but strongly recommended ^{*2} NR if Foreign Language 1 was taken at intermediate level or above ^{*3} CS1 suggested for students with no programming experience prior to PHY305 | | | |