



Below is the natural sequence of Information Technology (**Non-Concurrent**) program courses designed for students to register per semester. Other degree requirements and comprehensive details are to be found in the AUIS Academic Catalog.

| Course Code and Title | Credits | Prerequisite(s) | ✓ |
|--|---------------------------------|-------------------------------|---|
| 1st Semester | | | |
| CSC 101 - Computer Science and IT Applications (Core) | 3 | None | |
| MTH 101 - College Algebra (Core) | 3 | None | |
| ENG 101 - Argumentation (Core) | 3 | None | |
| CIV 101 - Civilization I: The Ancient World (History) (Core) | 3 | None | |
| SCI 101 + SCIL101 - Life Science + Life Science Lab (Core) | 3 | None | |
| Total Credits | 15 | | |
| 2nd Semester | | | |
| SCI 102 - Physical Science (Core) | 3 | MTH 101 | |
| ENG 102 - Critical Reading and Writing (Core) | 3 | ENG 101 | |
| STT 201 - Statistics (Core) | 3 | MTH 101 | |
| MTH 235 - Discrete Mathematics (Core) | 3 | MTH 101 | |
| Social Science OR Humanities (Core Option)* | 3 | Subject to course selection | |
| Total Credits | 15 | | |
| 3rd Semester | | | |
| ITE 202 - IT Systems (Major) | 3 | CSC 101 | |
| ENG 203 - Research (Core) | 3 | ENG 102 | |
| CIV 203 - Civilization III: The Ancient World (Humanities) (Core) | 3 | 30 Earned Credits | |
| Math and Science (Core Option)** | 3 | 15 Earned Credits | |
| Life Science (Core Option)*** | 3 | Subject to course selection | |
| Total Credits | 15 | | |
| 4th Semester | | | |
| ITE 301 - Data Communications and Networks (Major) | 3 | ITE 202 | |
| ITE 304 - Fundamentals of Web Systems (Major) | 3 | ITE 202 | |
| ITE 306 - Computing Platforms (Major) | 3 | ITE 202 | |
| CIV 204 - Civilization IV: The Modern World (Humanities) (Core) | 3 | CIV 203 | |
| Minor/Elective Course | 3 | Subject to course selection | |
| Total Credits | 15 | | |
| 5th Semester | | | |
| ITE 303 - Introduction to Programming (Major) | 3 | ITE 202 and MTH 235 | |
| ITE 305 - Database Management Systems (Major) | 3 | ITE 202 | |
| ITE 308 - IT Project Management (Major) | 3 | ITE 301 | |
| IT Elective 1 (Major Requirement) | 3 | Subject to course selection | |
| IT Elective 2 (Major Requirement) | 3 | Subject to course selection | |
| Total Credits | 15 | | |
| 6th Semester | | | |
| ITE 401 - Advanced Computer Networks (Major) | 3 | ITE 301 | |
| ITE 404 - Web Application Programming (Major) | 3 | ITE 304, ITE 303, and ITE 305 | |
| ITE 406 - Professional Ethics and Communications (Major) | 3 | ITE 308 | |
| ITE 408 - Interaction Design (Major) | 3 | ITE 304 and ITE 308 | |
| Minor/Elective Course | 3 | Subject to course selection | |
| Total Credits | 15 | | |
| 7th Semester | | | |
| ITE 403 - Information Security (Major) | 3 | ITE 301 and ITE 308 | |
| ITE 407 - Advanced Database Management Systems (Major) | 3 | ITE 303 and ITE 305 | |
| ITE 409 - Advanced Programming (Major) | 3 | ITE 303 | |
| ITE 411 - IT Capstone Project I (Major) | 3 | ITE 306 and ITE 308 | |
| Minor/Elective Course | 3 | Subject to course selection | |
| Total Credits | 15 | | |
| 8th Semester | | | |
| ITE 412 - IT Capstone Project II (Major) | 3 | Last Semester | |
| IT Elective 3 (Major Requirement) | 3 | Subject to course selection | |
| IT Elective 4 (Major Requirement) | 3 | Subject to course selection | |
| Minor/Elective Course | 3 | Subject to course selection | |
| Minor/Elective Course | 3 | Subject to course selection | |
| Total Credits | 15 | | |
| Program Credits | | | |
| Core | 45 credits (15 courses) | | |
| Major | 48 credits (16 courses) | | |
| Minor (or General Electives) | 15 credits (5 courses) | | |
| Major Electives | 12 credits (4 courses) | | |
| Total | 120 credits (40 courses) | | |
| General Tips and Recommendations | | | |
| * Eligible courses: ECO 201, ART, LIT, ENG, POL, HIST, PHI, or GEO up to 300 level | | | |
| ** Eligible courses: MTH 340 - Linear Algebra with 15 Earned Credits as Prerequisite | | | |
| *** Eligible courses: BIO, SCI, PHYS, or CHEM up to 300 level | | | |
| Students from before Fall 2022 can either drop CIV102 or count CIV102 as Social Science/Humanities and take MTH340 instead | | | |
| Varied Degree Paths: | | | |
| Student degree paths may vary slightly from this form. If academic record differs from the courses listed in this form, please contact the Registration and Records Office during the advising week for clarification. Independent study, transfer credits or other unique circumstances are typically accounted for in the elective category. | | | |