



| Term 1 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
|--------------------|------------------------------------|---|-----------|-----------------|
| 77-101 | University Seminar | | 1 | |
| 10-111 | Composition I | | 3 | |
| 29-102 | Fundamentals of Oral Communication | | 4 | |
| 44-101 | Foundation of Computing | | 3 | |
| 44-141 | Computer Programming I | 2 units of high school algebra and either CSIS 44101 OR CSIS 44130 with a grade of C or better, or School director's permission | 3 | |
| Total Hours | | | 14 | |
| Term 2 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 10-112 | Composition II | ENGL 10-111 | 3 | |
| 17-118 | Pre-Calculus Algebra (Option B)* | An ACT Math score of 22 or higher, or a score of PASS on the NW Algebra Review, or a minimum grade of C in MATH 17082, or concurrent enrollment in MATH 17018 | 3 | |
| 44-241 | Computer Programming II | CSIS 44141 with a grade of C or better | 3 | 1 |
| | Fine Arts | | 3 | |
| | Life Sciences/ Lab | | 4 | |
| Total Hours | | | 16 | |
| Term 3 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 44-356 | Network Fundamentals | CSIS 44130 or CSIS 44101 with a grade of C or better | 3 | 2 |
| 44-242 | Data Structures | CSIS 44241, and MATH 17114 or MATH 17117 or MATH 17118 or MATH 17120 (or concurrent enrollment), all with a grade of C or better, or consent of instructor | 3 | 2 |
| 44-296 | Professional Development Seminar | Sophomore standing and CSIS 44141 | 3 | |
| 17-114 | General Stats (Option B)* | An ACT Math score of 22 or higher, high school GPA of 3.00 or higher, or a minimum grade of C in MATH 17082, or concurrent enrollment in MATH 17014 | 3 | |
| | Physical Sciences & Lab ** | | 4 | |
| Total Hours | | | 16 | |
| Term 4 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 44-460 | Database Systems | CSIS 44241, with a grade of C or better | 3 | 2 |







1 = a milestone course completed by end of year 1 to remain on pace to finish degree requirements in four years.


2 = a milestone course completed by end of year 2 to remain on pace to finish degree requirements in four years.


3 = a milestone course completed by end of year 3 to remain on pace to finish degree requirements in four years.


4 = a milestone courses taken in final year to complete degree requirements.




| 44-345 | Computer Organization | CSIS 44242, with a grade of C or better, and one semester of chemistry, physics, or physical science | 3 | Spring only  |
|--------------------|---|--|-----------|--|
| 34-102 | Intro to American Government & Politics | | 3 | |
| 44-249 | Building Blocks of Theoretical CS | Sophomore standing and a minimum grade of C in CSIS 44141 and any of the following: MATH 17117 or MATH 17118 or MATH 17120 | 3 |  |
| | Humanities | | 3 | |
| Total Hours | | | 15 | |
| Term 5 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| | Civics- History | | 3 | |
| 17-316 | Linear Stat Model I (Option B)* | A minimum grade of C in MATH 17114 or consent of instructor | 3 | |
| | Approved CS/IS Electives (300+ Level) | | 6 | |
| | Social & Behavioral Sciences | | 3 | |
| Total Hours | | | 15 | |
| Term 6 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 10-220 | Intro to Literature | | 3 | |
| 44-349 | Survey of Algorithms | CSIS 44242 and CSIS 44249 each with a grade of C or better | 3 | Spring only  |
| | Approved CS/IS Electives | | 6 | |
| | Humanities | | 3 | |
| Total Hours | | | 15 | |
| Term 7 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 44-550 | Operating Systems | CSIS 44345, with a grade of C or better | 3 | Fall only  |
| 44-525 | Theory & Imp Programming Language | CSIS 44242 and CSIS 44249, with grades of C or better, or consent of instructor | 3 | Fall only  |
| 44-561 | Software Engineering Principles | Prerequisites: CSIS 44242 and CSIS 44460 with a grade of C or better | 3 | Fall only  |
| | Approved CS/IS Elective | | 3 | |
| | Elective | | 3 | |


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| | | Total Hours | | 15 |
|---------------|---------------------------------|--|---------------|--|
| Term 8 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| | Approved CS/IS Elective | | 3 | |
| 44-562 | Software Engineering II | CSIS 44561 with a grade of C or better | 3 | Spring only  |
| | Social & Behavioral Sciences | | 3 | |
| | Electives | | 5 | |
| | | Total Hours | | 14 |


*Schedule shows Math Option B. Students may elect for Math Option A instead. If Math Option A is chosen, then make the following substitutions:


- Spring year 1-replace 17-118 Pre-calculus Algebra with 17-117 Pre-calculus (4hours)
- Fall year 2-replace 17-114 General Statistics with 17-120 Calculus (4 hours)
- Fall year 3-replace 17-316 Linear Stat Model I with 17-114 General Statistics

**Taking Fundamentals of Classical Physics I & Lab (5 hours) will reduce elective hours by 1.

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 = a milestone courses taken in final year to complete degree requirements.