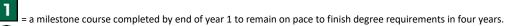


| Term 1 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
|------------------|-----------------------------|--|--------|---|
| 17-117 | Precalculus | | 5 | Minimum ACT math score of 24 OR minimum high school GPA 3.8 OR minimum grade of C in MATH 17082 OR concurrent with MATH 17017 |
| 29-102 | Fund of Oral Communication | | 3 | |
| 77-101 | University Seminar | | 1 | |
| | Digital Literacy | | 3 | |
| 24-114/115 | General Chemistry I & Lab | | 4 | |
| | | Total Hours | 16 | |
| Term 2 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 44-141 | Computer Programming I | | 3 | |
| 24-116/117 | General Chemistry II & Lab | Gen Chem I & Lab | 5 | |
| 04-106/107 | Principles of Biology & Lab | | 4 | |
| 17-120 | Calculus I | Precalculus OR Precalculus Algebra AND Trigonometry | 4 | ACT Math score of at least 27, or high school FPA of 3.9 recommended |
| | | Total Hours | 16 | |
| Term 3 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 17-121 | Calculus II | Calculus I | 5 | |
| 24-342/343 | Organic Chemistry I & Lab | General Chemistry II & Lab | 4 | |
| 25-120/121 | Classical Physics I & Lab | Calculus I | 5 | FALL ONLY |
| 33-155 OR 33-156 | Civics: History | | 3 | |
| | | Total Hours | 17 | |
| Term 4 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 04-310 | Cell Biology | Principles of Biology & Lab AND Gen Chemistry II & Lab | 4 | |
| 34-102 | Civics: Political Science | | 3 | |
| 17-114 | General Statistics | | 3 | ACT Math score of 33 or higher, high school GPS of 3.00 or higher OR concurrent with Strategies for General Statistics |
| 25-230/231 | Classical Physics II & Lab | Classical Physics I & Lab AND Calculus II | 5 | SPRING ONLY |
| | | Total Hours | 15 | |



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

= 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.

2

3



| Term 5 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
|-------------|------------------------------------|-----------------------------|--------|---------------------|
| 04-350 | Genetics | Principles of Biology & Lab | 4 | |
| 25-430 | Optics | Calculus II | 3 | FALL EVEN YEARS |
| 48-314 | Nanoscale I | Calculus I, Calculus II, | 4 | FALL EVEN YEARS |
| | | General Chemistry I & Lab, | | |
| | | General Chemistry II & | | |
| | | Lab, Classical Physics I & | | |
| | | Lab, Classical Physics II & | | |
| | | Lab, Organic Chemistry I | | |
| | | AND Junior Standing | | |
| 25-420 | Advanced Physics Laboratory | Classical Physics II & Lab | 1 | |
| | | AND Calculus III | | |
| 10-111 | Composition I | | 3 | |
| | Total Hours | | | |
| Term 6 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 10-112 | Composition II | Composition I | 3 | |
| 48-315 | Nanoscale II | Calculus I, Cell Biology, | 4 | SPRING ODD YEARS |
| | | Classical Physics I & Lab, | | |
| | | Classical Physics II & Lab | | |
| | | AND Junior Standing | | |
| 25-352 | Modern Physics | Classical Physics II & Lab | 3 | SPRING ODD YEARS |
| | Approved Physics Emphasis Elective | | 3-4 | See list below |
| Total Hours | | | 13-14 | |
| Term 7 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
| 25-350 | Intro to Quantum Mechanics | Classical Physics II & Lab | 3 | FALL ODD YEARS only |
| | Social & Behavior Science | | 3 | |
| 10-220 | Intro to Literature | | 3 | |
| | Elective | | 3 | |
| | Fine Art | | 3 | |
| | Total Hours | | | |



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



| Term 8 | Course Title/Description | Pre-requisite | Cr Hrs | Milestone/Notes |
|-------------|------------------------------------|---|------------------|------------------------|
| | Approved Physics Emphasis Elective | | 3-4 | See list below |
| | Social & Behavioral Science | | 3 | |
| 39-276 | Biomedical Ethics | | 3 | |
| | Humanities | | 3 | |
| 25-450 | Computational Physics | Classical Physics II & Lab AND Computer Programming I | 3 | SPRING EVEN YEARS only |
| Total Hours | | | 12-13 | |
| | | | 15-16 | |

| Approved Physics Emphasis Electives | | | | |
|-------------------------------------|------------------------------------|----------------------------|-----|------------------------|
| 17-321 | Calculus III | Calculus II | 4 | FALL ONLY course |
| 17-361 | Differential Equations | Calculus II | 3 | SPRING ONLY course |
| 24-135 | Laboratory Safety | General Chemistry I & Lab | 2 | SPRING ONLY course |
| 24-552/555 | Advanced Inorganic Chemistry & Lab | Physical Chemistry I & Lab | 3 | SPRING ONLY course |
| 25-479 | Undergraduate Research | Permission of Instructor | 1-3 | |
| 25-330 | Electricity & Magnetism I | Classical Physics II & Lab | 3 | FALL EVEN YEARS only |
| 25-332/333 | Electronics & Lab | Classical Physics II & Lab | 4 | SPRING ODD YEARS only |
| 25-360 | Quantum Mechanics | Classical Physics II & Lab | 3 | SPRING EVEN YEARS only |
| | | AND Calculus III | | |
| | | | | |



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