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|  | **Preparatory Courses** |
| Complete | Course Number  | Course Title |  |
|  | **FYEX 0070\***  | College and Career Success  |  |
|  | **ENGL 0040\*** | Integrated Reading and Writing |  |
|  | **MATH 0030, MATH 0075, MATH 0084, STAT 0086 \*** | Developmental Math courses |  |
|  | **FALL YEAR ONE** |
| Complete | Term | Course Number | Course Title | Prerequisites | Credits |
|  |  | ELET 1510 | DC Electricity | MATH 1110c | 3 |
|  |  | **ENGL 1010 ^** | English Composition I | ENGL0040 \* | 3 |
|  |  | ENGR 1010 | Introduction to Engineering |  | 2 |
|  |  | **MATH 1110 ^** | College Algebra | MATH0084 \* | 4 |
|  |  | MECT 1150 | Fundamentals of Engineering Design |  | 2 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **14** |

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|  | **SPRING YEAR ONE**   |
| Complete | Term | Course Number | Course Title | Prerequisites | Credits |
|  |  | ELET 1520 | AC Electricity | ELET1510 | 3 |
|  |  | **ENGL 1030 ^** | English Composition II | ENGL1010 (minimum grade of C-) | 3 |
|  |  | ENRD 2150 | Computer Aided Design I |  | 3 |
|  |  | MATH 1130 | Trigonometry | MATH1110 | 4 |
|  |  | PHYS 1110 | General Physics I | MATH 1130c (minimum grade of C-) | 4 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **17** |

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|  | **FALL YEAR TWO** |
| Complete | Term | Course Number | Course Title | Prerequisites | Credits |
|  |  | PHIL 1110 | Ethics |  | 3 |
|  |  | ELET 1530 | Digital Principles |  | 4 |
|  |  | MECT 2230 | Engineering Materials |  | 3 |
|  |  | **MECT 2330 ^ or****MECT 2335**  | StaticsEngineering Statics | MATH1110, PHYS1110c | 3 |
|  |  | PHYS 1130 | General Physics II | PHYS1110 (minimum grade of C-) | 4 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **17** |

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|  | **SPRING YEAR TWO** |
| Complete | Term | Course Number | Course Title | Prerequisites | Credits |
|  |  | CHEM 1030 | Chemistry | CHEM 1010 or high school chemistry minimum grade of C- | 3 |
|  |  | ELET 2240 | PLCs |  | 3 |
|  |  | ELET 2450 | Electronics | ELET 1520 | 3 |
|  |  | SOCY 2010 | Cultural Diversity and Racism |  | 3 |
|  |  | MECT 2440 | Strength of Materials | MECT2330 | 3 |
|  |  | MECT 2910 | Mechanical Design Project | MECT2440 | 1 |
|  |  | **^ Milestone course** |  | **Semester Credit Hours** | **16** |
|  |  |  |  | **TOTAL SEMESTER HOURS** | **64** |

c = Can be concurrent m = Must be concurrent

\* All incoming students will be required to provide ACT scores or take a placement test. Based on their scores, students will be placed in appropriate English and mathematics courses. Successful completion of developmental English, and mathematics prerequisites require a grade of C- or above in the course. Developmental reading, writing, and mathematics course prerequisites can also be attained through placement testing. See the [Standardized Testing Cutoff Scores](https://www.ncstatecollege.edu/cms/media-custom/PDF/_Fdrive/Policies%20Manual/Final%20PDFs/14-202.pdf) for specific tests and test scores.

The College strongly recommends that students be covered by hospitalization insurance, which can be purchased through a private carrier. To obtain a brochure regarding insurance, contact the Student Success Center. (Rm 103 Kee Hall) or call toll free 888-755-4899, ext. 4761 or locally 419-755-4761.