### General Education Study Areas:

**I. Arts and Humanities (9 credits)**
- Literature (200 level or higher) 3 Crs
- PHIL or Fine Arts 3 Crs
- Literature or PHIL or Fine Arts 3 Crs

**II. Social Sciences (6 credits)**
- History 3 Crs
- ET 399 (or ECON or GEOG or HIST or POL. SCI.) 3 Crs

**III. Behavioral Sciences (3 credits)**
- Anthropology or Psychology or Sociology 3 Crs

**IV. Natural Sciences (8 credits)**
- PHYS 121 - Gen Physics or PHYS 125 - Univ Physics I 4 Crs
- PHYS 122 - Gen Physics or PHYS 126 - Univ Physics II 4 Crs

### General Education Skill Areas:

**I. Communication Skills (6 credits)**
- WRT 110 - Intro to College Writing 3 Crs
- ENGR 290 - Engr Tech Writing & Presentation 3 Crs

**II. Mathematics (6 or 8 credits)**
- MATH 135 - Applied Engr. Calculus I or MATH 152 - Calc I 3 or 4 Crs
- MATH 136 - Applied Engr. Calculus II or MATH 221 - Calc II 3 or 4 Crs

**III. Foreign Language Proficiency (0-6 credits)**

**IV. University Requirement (2-3 credits)**
- PE 144-Fitness/Wellness (or appropriate transfer credit) 2 or 3 Crs

### Directed Technical Electives:
- Student chooses from courses such as ET 495; ETM 360; ETM 461; ETM 463; MM 226; MM 236; ENGR 392; ENGR 490; ROBO 420; TM 390; TM 464

### Additional Requirements:
- MM 121 Mechanical CAD 3 Crs
- CET 236 Circuit Analysis 3 Crs
- CHEM 161 General Chemistry 3 Crs
- CHEM 162 General Chemistry - LAB 1 Crs
- ENGR 240 Computational Methods for Engineering 3 Crs
- MATH 119 Pre-Calculus with Trigonometry 4 Crs
- STAT 104 Elementary Statistics 3 Crs

**TOTAL CREDITS: 130**

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Minimum grade of C- required in all courses in the major, all additional requirements, and all courses in Study Area IV, Skill Area I, and Skill Area II.

1. For Study Area I, no more than 6 credits from any one discipline.
2. Placement examination may be required before enrolling in initial English and Mathematics courses. Contact CCSU's Learning Center.
3. Refer to the University Catalog, Undergraduate General Education Program, for Foreign Language proficiency requirements.
4. Transfers entering with 15 or more credits may fulfill this requirement with 2 or 3 additional credits from any of the four general education skill areas, or with ENGR 150 or other courses listed under "Skill Area IV. University Requirement" in the University Catalog.
5. Courses with the International designation can be double-counted to fulfill the International Requirement. Note that the required course ETM 340 fulfills 3 credits of the 6-credit International Requirement.
6. Courses with the EJI designation can be double-counted to fulfill the Equity, Justice, and Inclusion Requirement.
7. MATH 116 (3 credit PreCalc) is acceptable but then Calc I will also require MATH 115 as a prereq. MATH 115 credits do not apply towards the degree. Refer to the online University Catalog for additional information.
The word “concurrent” indicates that two courses may be taken in the same semester.

* Alternatively, MATH 115 can serve as a prerequisite for ENGR 150. But in that case, MATH 116 would also have to be taken before any calculus courses.