## GENERAL STUDIES LEVEL I: (must be completed within first 30-credit hours)

**Composition**

- ENG 1010-3 Freshman Comp: Essay  
- ENG 1020-3 Freshman Comp: Analysis, Research & Docum.

**Mathematics:** students must earn a grade of “C” or higher  
- MTH 1410-4 Calculus I  
- or MTH 1400-4 Pre-Calculus & MTH 1410-4 Calculus I  
(Note: MTH 1110-4 College Algebra & MTH 1120-3 Trigonometry may substitute for MTH 1400).

**Communications**

- SPE 1010-3 Public Speaking

## GENERAL STUDIES LEVEL II

**Historical**

- -3

**Arts & Letters**

- -3  
- PHI 3360-3 Business Ethics

**Social Sciences**

- ECO 2010-3 Principles of Economics: Macro  
- or ECO 2020-3 Principles of Economics: Micro  
- -3

**Natural Sciences:** Students must earn a grade of “C” or higher  
- CHE 1100-4 Principles of Chemistry & CHE 1150-1 Lab  
- PHY 2311-4 General Physics I & PHY 2321-1 Lab  
- PHY 2331-4 General Physics II & PHY 2341-1 Lab

**Multicultural Requirement**

- -3 (may be satisfied within General Studies)

**Additional Requirements:** Must earn a grade of “C” or higher  
- MTH 1410-4 Calculus I (may meet general studies math requirement)  
- MTH 2410-4 Calculus II  
- MTH 2420-4 Calculus III

### MAJOR COURSES:

**students must earn a grade of “C” or higher in all major courses**

- CET 1100-3 Introduction to Civil Engineering Technology  
- CET 1215-4 Engineering Graphics  
- CET 2100-3 Structural Drawing  
- CET 2150-3 Mechanics I - Statics  
- CET 3120-3 Engineering Economy  
- CET 3135-3 Mechanics of Materials with Laboratory  
- CET 3170-3 Introduction to Structural Analysis  
- CET 3185-3 Fluid Mechanics I for Civil Engineering Technology  
- CET 3190-3 Fluid Mechanics II for Civil Engineering Technology  
- CET 3330-3 Environmental Technology Process  
- CET 4100-1 Senior Project I  
- CET 4110-2 Senior Project II  
- CET 4130-4 Soils Mechanics (Senior Experience)  
- CET 4135-3 Foundation and Geotechnical Engineering  
- CET 4150-3 Highway Engineering and Surveying  
- CET 4570-3 Engineering Law  
- COM 2610-3 Introduction to Technical Writing  
- MET 3110-3 Thermodynamics  
- MET 3160-3 Mechanics II - Dynamics

One of the following:

- CS 1050-4  
- CSS 1247-4  
- CSS 1510-4  
- EET 2340-3

**Structures Concentration**

- CET 4120-3  
- CET 4400-3  
- CET 4450-3  
- CET 4140-3  
- CET 4410-3  
- -3 approved tech. elective

### ADDITIONAL NOTES

- All majors in CET are required to complete all CET, MET, Surveying, Mathematics, communications, physics, and chemistry courses with a grade of “C” or better
- Mathematics Minor (optional) 24 credits: If considering graduate school studies in engineering or physical science, students are encouraged to select the mathematics minor.
- *Courses in bold are recommended for students to complete within their freshman year at Metro State.*