

## **First Semester**

### **Available Classes fro 1<sup>st</sup> semester:**

- **EMT 1111:** Logic
- **EMT 1120:** technical graphics
- **EMT 1130:** Manufacturing
- **MAT 1375:** Precalculus
- **ENG 1101:** English Composition I
- **EMT 1150:** Electric circuit

### **Pre-requisites:**

- **EMT 1111:** cuny proficiency
- **EMT 1120:** none
- **EMT 1130:** none
- **MAT 1375:** Precalculus
- **ENG 1101:** English Composition I
- **EMT 1150:**

### **Pre-requisites and Co-requisites:**

- **EMT 1150:** EMT 1120, EMT 1130, MAT 1275

## **Second Semester**

### **Available Classes for 2<sup>nd</sup> semester:**

- **EMT 1220,**
- **EMT 1250,**
- **EMT 1255,**
- **PHYS 1433**

### **Pre-requisites:**

- **EMT 1220:** EMT 1120, EMT 1130
- **EMT 1250:** EMT 1111, EMT 1130, EMT 1150

### **Pre-requisites and Co-requisites:**

- **EMT 1220:** PHYS 1433 or PHYS 1441, MAT 1275 or higher

### **Third Semester**

#### **Available Classes for 3<sup>rd</sup> semester:**

- EMT 2320,
- EMT 2390L,
- EMT 2370,
- ENG 1121,
- MAT 1475
- **Any one from these classes: (AFR2000, AFR2250, ARTH2101, COM1335, COM2402, COM3401, ECON1401, ENG1151, ENG1161, ENG1773, ENG2000, ENG2150)**

#### **Pre-requisites:**

- EMT 2320: EMT 1120, EMT 1220
- EMT 2370: EMT 1250
- ENG 1121: ENG 1101
- MAT 1475: MAT 1375

#### **Pre-requisites and Co-requisites:**

- EMT 2320: EMT 1255
- EMT 2390L: EMT 2370

### **Fourth Semester**

#### **Available Classes:**

- **EMT 2455**
- **EMT 2461**
- **EMT 2480:**
- **Technical Elective ( EMT 2410 or CST 2403 or CET 3910).**
- **PHY 1434**

#### **Pre-requisites:**

- **EMT 2455** : EMT 1250, EMT2370
- **EMT 2461** : EMT 1111, EMT 2370
- **EMT 2480:**
- **Technical Elective**
- **PHY 1434**

- Any one from these classes: ( AFR1465, AFR1466, AFR1501, AFR1502, AFR2201, AFR2202, AFR3000, ARCH3522, ARTH1104, ECON1101, ECON2403, ENG2180, ENG2190, ENG2190, ENG2200, ENG2201, ENG2250, GOV1101, GOV1102)

**Pre-requisites and Co-requisites:**

- **EMT 2461:** EMT 2455, EMT 2480L, MAT 1475 or higher
- **EMT 2410:** EMT 2370 or dept permission
- **EMT 2480:** EMT 2320, PHYS 1433 or PHYS 1441, ENG 1101
- **CST 2403:** EMT 1111 and MAT 1275 or higher
- **CET 2430:** CET 2330 (Introduction to Signals and Systems).

**Fifth Semester**

**Available Classes FOR 5<sup>TH</sup> semester:**

- CET 3510
- CET 3525
- MAT 1575
- COM 1330

**Pre-requisites:**

- **CET 3510:** previous course in digital electronics
- **CET 3525**
- **MAT 1575:** MAT 1475
- **COM 1330 :** CUNY read, write proficiency

**Pre-requisites and Co-requisites:**

- **CET 3510:** EMT2410 or CST 2403, MAT 1575 or higher
- **CET 3525:** MAT 1575

**Sixth Semester**

**Available Classes FOR 6<sup>TH</sup> semester:**

- **MAT 2680**
- **CET 3615**

- **CET 3625**
- **CET 3640**
- Choose Any class from these classes( AFR2000, AFR2250, ARTH2101, COM1335, COM2402, COM3401, ECON1401, ENG1151, ENG1161, ENG1773, ENG2000, ENG2150, ENG2420, ENG3401, ENG3402, ENG3403, ENG3404, LIB1201, PHIL2101, PHIL2103, PHIL2104, PHIL2106, PHIL2107}

**Pre-requisites:**

- **MAT 2680** : MAT 1575
- **CET 3615** : MAT 1575 or higher, CET 3525, PHYS 1434 or PHYS 1442
- **CET 3625** :
- **CET 3640**

**Pre and Co-requisites:**

- **CET 3625**: MAT 2680
- **CET 3640** : CET 3510, EMT 2410 or CST 2403,

**Seventh Semester**

**Available Classes fro 7<sup>th</sup> semester:**

- **CET 4711**
- MAT 2580
- **CET 4705**
- **CET 4773**
- Choose any one Technical Elective class from here( CET 4952 (4cr), CET 4960 (4cr), CET 4962 (4cr), CST 3500 Series or higher, or TCET 3100 series)
- Choose any one class from this classes (AFR1465, AFR1466, AFR1501, AFR1502, AFR2201, AFR2202, AFR3000, ARCH3522, ARTH1104)

**Pre-requisites:**

- **CET 4711** : CET 3640;
- MAT 2580
- **CET 4705** : CET 3625 with a grade of C
- **CET 4773** : CET 3510

**Pre-requisites and Co-requisites:**

- **CET 4711:** CET 4705
- **MAT 2580:** MAT 1575

## **Eighth Semester**

### **Available Classes:**

- **CET 4801:** Capstone Project
- **CET 4820:** Advanced Embedded Systems
- **CET 4830:** Wireless Networks
- **CET 4840:** Renewable Energy Systems
- **CET 4850:** Power Systems Protection

### **Pre-requisites:**

- **CET 4801:** Senior standing and completion of most core CET courses.
- **CET 4820:** CET 3620 (Embedded Systems Design).
- **CET 4830:** CET 4720 (Wireless Communication).

### **Pre-requisites and Co-requisites:**

- **CET 4840:** CET 4730 (Power System Analysis).
- **CET 4850:** CET 4740 (Industrial Electronics).