# Course Map - A.A.S. - Technology - Computer Electronics

## Year 1

**Fall** 16 hrs

- EET 251 Electricity and Electronics
- EET 252 Digital Electronics
- TEC 161 Computer Applications in Technology
- MAT 112A Algebra: Polynomials and MAT 112B Algebra: Functions and Matricies
- SCO 100 [1]
- ENG 101 GEN ED 1A

**Spring** 15 hrs

- EET 257 Electronic Devices and Circuits
- NET 302 PC Troubleshooting & Construction
- NET 303 LANs and PC Communications
- CSC 160 Introduction to Web Programming
- CIS 215 Introduction to Business Programming
- pick one
- ENG 102 GEN ED 1B

## Year 2

**Fall** 13 hrs

- EET 351 Programmable Logic Controllers
- AEM 352 Robotics and Automated Systems
- EET 253 Microprocessor Control Systems
- pick one
- NET 354 Microcomputer & Network Security
- NET 395 Special Topics in NET
- NET 403 Advanced LANs and PC Communication
- pick one
- Oral Comm. GEN ED 1C
- Free Elective [1]

**Spring** 16 hrs

- NET 349 [1] Applied Learning in NET/ Cooperative Study: CET/CEN
- NET 343 Network Switches & Routers
- NET 399 Associate Degree Capstone
- NET 367a [0] Exit Exam
- Humanities GEN ED 3B
- Arts GEN ED 3A
- pick one
- PHY 101 or higher
- ECO 120 Or ECO 230 GEN ED 5

## Computer Electronics Concentration (EET & NET courses)

### EET 251
Grade of at least "C" in MAT 095 or a minimum math ACT score of 18 or a minimum SAT math score of 490.

### EET 252
Completion of math readiness indicator

### EET 257
EET 251

### EET/AEM Electives

#### EET 351
EET 251 or 252

#### AEM 352
EET 251

#### EET 253
EET 251 and EET 252

### NET Electives

#### NET 403
NET 303 or EET 303 or CIS 375.

#### NET 395
30 credit hours or more completed, and (EET 252 or NET 303).

### NET 302
TEC 161 or (INF 104 or higher) or (CSC 140 or higher) or (CIS 212 or higher).

### NET 303
TEC 161 or (INF 104 or higher) or (CSC 140 or higher) or (CIS 212 or higher) and (a grade of at least "C" in MAT 095 or a minimum math ACT score of 18 or a minimum SAT math score of 490).

### NET 343
NET 303 or EET 303 or CIS 375

### NET 349
Departmental approval, Sophomore (30-59 hours) or higher standing and minimum of 2.0 GPA.

### NET 354
NET 303 or EET 303 or CIS 375.

### NET 367a
30 credit hours or more completed, with a minimum of 9 semester hours of NET coursework completed, and a minimum of 6 semester hours of EET coursework completed.

### NET 399
30 credit hours or more completed, with a minimum of 9 semester hours of NET coursework completed, and a minimum of 6 semester hours of EET coursework completed.

**Completion of NET 499, Senior Capstone, will substitute for NET 399**

## Supporting Courses

### TEC 161
None

### MAT 112A
Satisfaction of English and reading academic readiness indicators and either satisfaction of algebra readiness indicators* or concurrent enrollment in MAT 111A.

### MAT 112B
MAT 112A (C) and either satisfaction of algebra readiness indicators* or concurrent enrollment in MAT 111B.

### CSC 160
MAT112A/B or higher with a grade of C"" or better or min. ACT math 22 or passing Algebra placement test

### CIS 215
CIS 212 or CIS 240 or INF 104 with a grade of C"" or better.

### ECO 120 or 230
Math readiness indicators

### PHY 101
MAT 105 or higher

### SCO 100
None

**2022-2023 Edition**