



Electrical & Computer Engineering Technology eMAP

START HERE:

Complete any required 0090 courses. Then,

Complete:

- ENGT 1000, Intro to Engineering Technology
- MATH 1111, College Algebra
- ENGL 1101, Composition & Rhetoric

Then, complete:

- ECET 1101, Circuit Analysis I
- ECET 1110, Digital Systems I
- ECET 1191, Computer Programming Fundamentals

Receive a:

✓ **CET Basics TCC**

Complete these math and science core classes:

- MATH 1113, Precalculus
- PHYS 1111 and PHYS 1111L, Physics I

Complete these general core classes:

- Social/Behavioral Science Elective
- Humanities Elective

Then, complete:

- ECET 2101, Circuit Analysis II
- ECET 2110, Digital Systems II
- ECET 1210 or CIST 1401, Networking Fundamentals
- ECET 2120, Electronic Circuits I

Select a specialization: Electronics or Biomedical

If you select the Biomedical specialization, complete:

- ALHS 1011, Anatomy and Physiology
- BMET 1231, Medical Equipment I
- BMET 2242, Medical Equipment II
- BMET 2343, Biomedical Internship

If you select the Electronics specialization, complete:

- ECET 2220, Electronic Circuits II
- **8 hours of technical electives from the following list:**
 - ✓ MATH 1131 Calculus I
 - ✓ MATH 1132 Calculus II
 - ✓ PHYS 1112 & PHYS 1112L, Physics II
 - ✓ CHEM 1211 & CHEM 1211L, Chemistry
 - ✓ DFGT 2010, Engineering Graphics
 - ✓ DFTG 2020, Visualization Graphics
 - ✓ BMET 1231, Medical Equipment I
 - ✓ ELTR 1180, Electrical Controls
 - ✓ IDSY 1110, Motor Controls
 - ✓ IDSY 1120, Basic PLC's
 - ✓ CIST 1122, Hardware Installation and Maintenance
 - ✓ CIST 1510, Web Development
 - ✓ CIST 1601, Info. Security Fundamentals

During your last semester, all students must complete:

- ENGT 2300, Capstone

Receive an:

✓ **Associate of Applied Science degree in ECET**

This eMAP along with meeting regularly with your program advisor and using DegreeWorks will help you stay on track to finish your program as quickly as possible and graduate from CTC.

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