

What should I take?

Advice for students planning to transfer from another college/university into the MTU Electrical Engineering (EE) or Computer Engineering (CpE) program:

It is better to transfer here after one year (or even 1½) rather than two.

1. 2-year transfer students usually have a hard time getting a full load in some semesters. (Due to the abundance of general education, math, & physics credits and lack of early-on core required courses)
2. You need to start with the sophomore level core EE &/or CS courses, which leaves you with five - seven semesters remaining on the pre-requisite chain, which must be followed.

Plan to have Calculus II and CS1121 complete before beginning core EE courses. (Here or there)

If you transfer here after two years elsewhere, you can 'catch up' very quickly by starting here in the Summer instead of Fall. You will be able to get the sophomore level EE/CpE courses completed during Summer. This is highly advisable to students coming in with lots of general education and math credits. Summer courses begin in early May. (Complete Calc I, Calc II, CS1121, and Linear Algebra to be on track for Sophomore level Summer courses. Completion of Differential Equations also helpful.)

Call or e-mail the ECE undergraduate advisor if you have questions:

Judy Donahue, 906-487-2232, jmdonahu@mtu.edu

Recommended courses to take before you get here:

MA1150 Calculus I
MA2150 Calculus II
CS1121 Intro. To Computer Science in **java** (take java. Other languages might transfer as ENG1101 or something else)
Computer Engineers – CS1122 - Intro Computer Science II in java
And CS1721 – Object oriented programming
PH1100 + PH2100 – University Physics I – Mechanics (Calculus based)

Do not take college physics (algebra based) equivalent to MTU's PH1110, PH1210. These credits will not apply to the EE or CpE degrees. Those credits may apply to non-engineering majors.

Other courses you can take before you get here:

(remember: too many transfer credits leads to less than 12 credit loads after you get here in some semesters. See 1 & 2 above)

Anything equivalent to:

UN1001, UN1002, UN2001, UN2002
General education [distribution courses](#)
CH1150 & CH1151 (if desired)
ENG1101 or ENG1102
PE

Check [MTU course equivalencies](#) for your college courses. If they are not listed here, contact our Transfer Services Office to request course transfer credit evaluations. 906-487-3323.

Note: University Chemistry is helpful, but not required. Chemistry applies to required math/science electives and CH1150 & CH1151 are pre-requisites to many courses in other departments you might want, such as Materials Science and Engineering, Mechanical Engineering, Environmental, Geological, Chemical, or Civil Engineering.

Visit the ECE webpage and the advising page for more information.
ece.mtu.edu - undergraduate programs - advising