



Bachelor of Science in Computer Science with a Mathematics Minor

Benefits of earning a Mathematics Minor:

- No additional cost or time to pursue and earn
- Informs recruiters for co-ops, internships, and career opportunities of your strong critical thinking and problem-solving skills

Courses Need for Computer Science Students to Earn a Math Minor

	MTH 220 Discrete Mathematics 3 credits	MTH 283 Multivariable Calculus for Engineers 2 credits	MTH 288 Linear Algebra 3 credits	ESC 310 Engineering Statistics & Probability 3 credits
Computer Science Without Math Minor	✓	X	✓	✓
Computer Science With Math Minor	✓	✓	✓	✓

To earn a Mathematics Minor, Computer Science students must earn a C or better in the following:

- 4 credits — MTH 181 (Calculus I)
- 4 credits — MTH 182 (Calculus II)
- 3 credits — ESC 310 (Engineering Statistics & Probability)
- 3 credits — MTH 220 (Discrete Mathematics)
- 2 credits — MTH 283 (Multivariable Calculus for Engineers)
- 3 credits — MTH 288 (Linear Algebra)
- 19 credits

Transfer students must complete a minimum of 9 of these credits at Cleveland State University to earn the Mathematics Minor.

Overall Math Minor Requirements and How-To Sign-Up

REQUIRED COURSES

A grade of C or higher is required in both [MTH 181](#) and [MTH 182](#)

- [MTH 181](#) - Calculus I
- [MTH 182](#) - Calculus II

MATHEMATICS ELECTIVES

10 additional credits chosen from MTH courses numbered 200 or above, or from the STA courses [STA 323](#) or [STA 424](#). Courses must be completed with a grade of C or better. The following statistics and education-focused courses along with any statistics or education-focused special topics or reading courses are excluded from the math minor.

- Statistics courses: [STA 347](#), [STA 421](#), [STA 431](#), [STA 435](#), [STA 436](#), [STA 467](#)
- Education courses: [MTH 201](#), [MTH 325](#), [MTH 326](#), [MTH 328](#), [MTH 329](#), [MTH 330](#)

NOTES:

Engineering students can apply one of the following ESC courses toward the minor: [ESC 250](#), [ESC 310](#) or [ESC 350](#). Moreover,

- Only one of [MTH 284](#), [MTH 288](#) or [ESC 350](#) may be used,
- Only one of [MTH 286](#) or [ESC 250](#) may be used,
- Only one of [STA 323](#) or [ESC 310](#) may be used,
- Only one of [MTH 281](#) or [MTH 283](#) may be used.



Use your smart phone's camera app to scan the QR code above. It will direct you to CSU's Undergraduate Course Catalog.

How do I sign-up for a Mathematics Minor?

Log into your CampusNet → Select "Student" Tab → Select "Degree Audit" → Click "Ask a Question" **Please be sure to confirm your eligibility with your Academic Advisor.**



Use your smart phone's camera app to scan the QR code above for a step-by-step tutorial on signing up for a mathematics minor!