

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

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

Courses Need for Computer Science Students to Earn a 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 <u>STA 323</u> or <u>STA 424</u>. 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: <u>ESC 250</u>, <u>ESC 310</u> or <u>ESC 350</u>. 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.

How do I sign-up for a Mathematics Minor?

 $Log into your CampusNet \rightarrow Select "Student" Tab \rightarrow Select "Degree Audit" \rightarrow Click "Ask a Question" Please be sure$

to confirm your eligibility with your Academic Advisor.

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



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!