

WHICH MATH CLASS IS RIGHT FOR YOU?

Use the Placement Tool (www.mendocino.edu/mathandenglish) to get your math options. If you took a placement test before Jan. 2019, this tool may give you new, higher-level placements.

MTH 79: Mathematics for Technical Fields (3 units)

- For students with any level of math background
- Intended for students pursuing a CTE certificate or degree
- Fulfills AA/AS degree math graduation requirements
- Not CSU or UC transferable

Math 80: Intermediate Algebra for STEM (5 units)

- For students who have not taken Algebra II previously and are planning to pursue a STEM or BUS ADT degree
- A 3-unit support class is available (required for some students)
- Fulfills AA/AS degree math graduation requirements
- Not CSU or UC transferable

MTH 121: Trigonometry (4 units)

- For students who have already passed Algebra II/ Intermediate Algebra and are pursuing a STEM degree
- Fulfills AA/AS degree math graduation requirements
- Fulfills CSU GE Math requirement; not UC transferable

MTH 178: Applied Math (4 units)

- For students with any level of math background
- This is a quantitative reasoning course that emphasizes collaborative work and critical thinking; it is not taught in a traditional lecture format.
- If you are pursuing a non-STEM degree without a specific math requirement, check with a counselor – this may be the only math class you need.*
- Fulfills AA/AS degree math graduation requirements
- Fulfills CSU GE Math requirement; not UC transferable

MTH 220: Statistics (4 units)

- For students with some high school Algebra
- For students pursuing many Social Science degrees, including Psychology.*
- A 2-unit support course is available (required for some students)
- Fulfills AA/AS degree math graduation requirements
- Fulfills CSU and UC GE math requirement

**These are general guidelines and may not address your specific circumstances. If you are planning to transfer to a CSU or UC or other 4-year school, your math requirement will generally depend on your transfer school and major. As always, we encourage you to meet with a counselor if you have any questions. Call 468-3048 for an appt.*

WHAT IS STEM? WHAT ABOUT JOBS?

STEM stands for Science, Technology, Engineering & Math. Careers in the STEM fields are reliable and higher paying than many other industry sectors. Here are some examples:

Computer Network Architect

Median salary: \$104,650

Expected job growth by 2026: 6%

Computer network architects work for companies, designing, constructing and maintaining a variety of communication networks.

Pediatrician

Median salary: \$183,240

Expected job growth by 2026: 15%

These physicians specialize in providing medical care for infants, kids and teenagers. They treat common childhood ailments and provide vaccinations.

Web Developer

Median salary: \$67,990

Expected job growth by 2026: 15%

Web developers build websites, working with software applications or writing code to finish the job. They may specialize in front-end or back-end work.

Mathematician

Median salary: \$101,900

Expected job growth by 2026: 30%

Mathematicians crunch numbers and analyze outcomes while working in a range of math-related jobs, including teaching and research.

Mechanical Engineer

Median salary: \$85,880

Expected job growth by 2026: 9%

Mechanical engineers work in a range of industries, designing, building and testing mechanical and other devices.

SOURCE: This information compiled from U.S. News & World Report's article online "*Explore Top Stem Careers*".
<https://money.usnews.com/careers/slideshows/explore-top-stem-careers?onepage>

Math and Science classes are great ways to "future-proof" your career options. See a counselor to make sure your Ed Plan is current and your course selections support the careers you are interested in or the transfer opportunities you are seeking.