

# COMPUTATIONAL AND APPLIED MATHEMATICS MINOR

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Foundational applied mathematics courses with a focus on mathematical modeling that combine theory with computation.

**Grade Requirements:** Students must receive a grade  $\geq C$  in each course used to satisfy the requirements of an undergraduate major or minor in mathematics.

## Required Courses

CSCD 300	DATA STRUCTURES	5
MATH 347	INTRODUCTORY DIFFERENTIAL EQUATIONS	4
MATH 430	ADVANCED LINEAR ALGEBRA	5
MATH 443	NUMERICAL METHODS	5

## Complete two of the following courses **10**

MATH 444	NUMERICAL LINEAR ALGEBRA	
MATH 445	NUMERICAL ANALYSIS	
MATH 447	DIFFERENTIAL EQUATIONS	
MATH 448	PARTIAL DIFFERENTIAL EQUATIONS	

**Total Credits** **29**

**Students who earn a Computational and Applied Mathematics Minor from EWU should be able to:**

- communicate mathematical concepts both technically and non-technically;
- perform analysis with numerical and symbolic mathematical technology/software.