

Minor in Computational Mathematics

The minor in Computational Mathematics is open to students with a strong interest in mathematics and computation who are not enrolled in any other degree or minor offered by the Mathematics department. It is designed to provide students with a strong applied mathematics background and knowledge in the usage of computing tools to solve real-world problems.

Some majors may not be eligible to pair with this minor. See the Minor Restrictions (<https://catalog.erau.edu/programs/undergraduate/minors/restrictions/>) list for details.

Daytona Beach Minor Requirements

MATH 241	Calculus and Analytical Geometry I	4
MATH 242	Calculus and Analytical Geometry II	4
MATH 345	Differential Equations and Matrix Methods	3-4
or MATH 245	Applied Differential Equations	
MATH 348	Numerical Methods	3
MATH 392	Applied Linear Algebra	3
MATH 410	Linear Optimization	3
or DSCI 440	Data Mining	
or MATH 441	Mathematical Methods for Engineering and Physics I	
or MATH 448	Numerical Methods for Differential Equations	
or MATH 453	High Performance Scientific Computing	
or MATH 488	Data-driven Numerical Methods for Differential Equations	
Total Credits		20-21

Students pursuing this minor may not declare the Applied Mathematics minor.