



Normandale Community College Approved courses for Physics majors

For students planning to transfer to Augsburg University and major in Physics, the following departmental equivalencies are provided. This guide is intended as a supplement to Augsburg's general transfer guide available in your college's counseling office or online at <http://web.augsburg.edu/registrar/transfer/guides/normandale.pdf>.

The Physics major at Augsburg is available as a [Bachelor of Arts](#) or a [Bachelor of Science](#). A major in [Bio-Physics](#) and a Pre-Engineering track are also available. Courses are available in the traditional undergraduate program.

The table below lists the Normandale College courses that have approved equivalencies at Augsburg University.

Normandale Course	Augsburg Course	Degree Option		
		BA	BS	BIO-PHY
MATH 1510 Calculus 1	MAT 145 Calculus I	✓	✓	✓
MATH 1520 Calculus 2	MAT 146 Calculus II	✓	✓	✓
MATH 2510 Calculus 3: Multivariable Calculus	MAT 245 Calculus III	✓	✓	✓
MATH 2520 Calculus 4: Differential Equations with Linear Algebra	PHY 327 Special Functions of Mathematical Physics	✓	✓	✓
PHYS 1121 Physics 1 for Scientists and Engineers	PHY 121 General Physics I	✓	✓	✓
PHYS 1122 Physics 2 for Scientists and Engineers	PHY122 General Physics II	✓	✓	✓
PHYS 2250 Modern Physics	PHY 245 Modern Physics	✓	✓	✓
CHEM 1061 Principles of Chemistry 1	CHM 115 General Chemistry I		✓	✓
CHEM 1062 Principles of Chemistry 2	CHM 116 General Chemistry II		✓	✓
COMM 1101 Fundamentals of Public Speaking	<i>Required Speaking Skill course:</i> COM 111 Public Speaking	✓	✓	

- MATH 2520 applies only for Physics majors. It does not meet the Math requirement for other majors.
- Students should add the lab when taking PHYS 2250 Modern Physics. If a lab is not offered, the student should plan on taking the lab at Augsburg.
- Additional Physics or Engineering courses will be reviewed by the department on an individual basis. Refer to the current catalog for more information www.augsburg.edu/catalog
- Students pursuing a major in Physics or Pre-Engineering should contact the Physics Department at Augsburg to discuss course planning while at community college.

For more information about the educational opportunities available at Augsburg, please contact:

Undergraduate Admission

E-mail: admissions@augsborg.edu

Phone: (612) 330-1001

<http://www.augsburg.edu/admissions/>