



Mathematics/Applied Math/Statistics

Major Preparation Sheet 2017-2018

Where does my path start?

You will complete an Associate of Arts – Direct Transfer Agreement (AA-DTA) at Shoreline.

Use the AA -DTA Degree Planning Guide, with this sheet, to understand the requirements for graduation.

Once you complete your Shoreline degree, you can transfer to a four-year school to earn a Bachelor of Arts or Science degree in Mathematics or Applied Mathematics or Statistics. Mathematics is an excellent choice for further graduate studies in Math, Statistics, Education, Medicine and Law.

Mathematics/Applied Math/Statistics – What is it?

Mathematics is the study of structure, form and the relationship among numerical, geometric and logical constructs. While mathematics is a field that serves science, it also stands on its own as a discipline worthy of independent study. Applied mathematics focuses on the application of math to other fields.

Areas of study in Mathematics/Applied Math/Statistics: Arithmetic, Algebra, Trigonometry, Discrete Mathematics, Probability and Statistics, Calculus, Analytic Geometry, Differential Equations, Linear Algebra, Multivariable Calculus, Mathematical Modeling, and Mathematics Applications to Business, Economics, Engineering and Technology.

Where can I go for help?

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International Student Academic Advising

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Career Planning

www.shoreline.edu/job-career-services/

For course information and entry codes, contact:


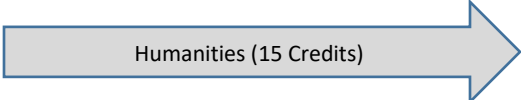
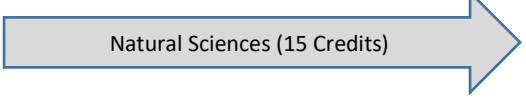
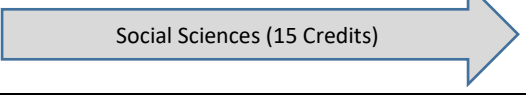
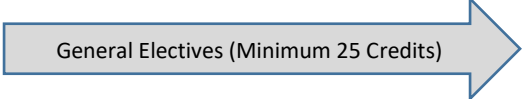
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What can I do with a Bachelor’s Degree in Mathematics?

Mathematicians develop critical thinking, analytical reasoning and problem solving skills that apply to multiple career fields, such as research and development, testing, design, operations, statistical analysis, risk management, computer programming, data processing, networking, investment, sales, and teaching.

Potential employers include: Business, manufacturing firms, market research firms, government agencies, consulting firms, insurance agencies, computer companies, banks and financial organizations, public and private schools. For more, please visit <http://www.shoreline.edu/counseling-center/career-counseling.aspx>.

What courses should I take?*

 <p>General Education Requirements (20 Credits)</p>	<p>Required: ENGL& 101; ENGL& 102; One course in Multicultural Understanding; One course in Quantitative/Symbolic Reasoning</p> <p>Strongly Recommended: MATH& 151 (Quantitative/Symbolic Reasoning)</p>
 <p>Humanities (15 Credits)</p>	<p>Recommended: World Language if required for university admission or graduation</p>
 <p>Natural Sciences (15 Credits)</p>	<p>Strongly Recommended: MATH& 152</p> <p>Recommended: PHYS& 114, 221, 222, PHYS 115, CHEM 171/181, 172/182, 173/183</p>
 <p>Social Sciences (15 Credits)</p>	<p>Recommended: ECON& 201, 202, PSYC& 101</p>
 <p>General Electives (Minimum 25 Credits)</p>	<p>Strongly Recommended: MATH& 163, 264, MATH 207, 208, 211</p> <p>Recommended: CS& 141, PHYS& 116, 223</p>

Where can I transfer and what does my chosen four-year school require?

Before choosing classes, become familiar with the four-year program where you want to apply: visit the website, email the department, and/or speak with a Shoreline advisor. Below are examples from Washington schools with different admissions and graduation requirements.

School	Transfer Information	School	Transfer Information
Central Washington University	http://tinyurl.com/jdpjra6	The Evergreen State College	http://tinyurl.com/zhyjy3s
Eastern Washington University	http://tinyurl.com/gqpzhng	University of Puget Sound	http://tinyurl.com/h7yqx8s
Gonzaga University	http://tinyurl.com/7c9d6xh	University of Washington – Bothell	http://tinyurl.com/j9r7so5
Heritage University	http://tinyurl.com/jpqnflm	University of Washington-Seattle	http://tinyurl.com/hm3uecl
Northwest University	http://tinyurl.com/jle4rr7	Walla Walla University	http://tinyurl.com/z5a4h8p
Pacific Lutheran University	http://tinyurl.com/zygoljk	Washington State University	http://tinyurl.com/jk3a2v2
Saint Martin's University	http://tinyurl.com/j3pktl2	Western Washington University	http://www.wvu.edu/vtc/
Seattle Pacific University	http://tinyurl.com/z46xxxr	Whitworth University	http://tinyurl.com/z8vuwn9
Seattle University	http://tinyurl.com/z3kjpem	Whitman College	http://tinyurl.com/zcdww66

** This unofficial guide is intended to support you as you prepare for your major. Please consult with an advisor and your chosen four-year school(s), as program and admissions requirements vary and may change without notice.