



GENERAL INFORMATION

You may be considering a major in mathematics. If so, this curriculum guide is for you. It focuses on first- and second-year degree requirements which serve as preparation for majoring in mathematics at a four-year college or university.

In electing to major in mathematics, you are choosing one of the oldest and most fundamental of disciplines, yet one which is dynamic and rapidly growing in reaction to developments in technology, physical and biological sciences, and social sciences.

Mathematics majors at universities have a number of options from which to choose. Included are Actuarial Sciences, Applied Statistics, Computational Mathematics, Mathematical Modeling/Applied Analysis, Operations Research, Secondary Teaching of Mathematics, and Theoretical Mathematics.

Everett Community College offers the following degree path leading to a university major in mathematics:

The Associate in Arts and Sciences – Option II meets guidelines for direct transfer to most colleges and universities in Washington, as well as the major public universities in Oregon. The degree enables the student to complete most or all of the general distribution requirements in Quantitative Skills, English, Humanities, Social Sciences and Natural Sciences, and to begin the major course of study in mathematics.

Please review the checklist inside this guide. It outlines the requirements for the AAS – Option II degree with special recommendations for math majors.

CAREER OPTIONS

Options for mathematics majors are many, and often lead to well-paid and interesting careers in business, industry, or the sciences. For example, the insurance and financial securities industries employ actuaries to perform research, planning and forecasting. Applied statisticians work with data collected by other investigators and provide analysis within a variety of contexts. Many employment opportunities in the computer sciences rely on an extensive knowledge of mathematics. Teaching at the secondary or college level requires an extensive math background. “Median annual earnings of mathematicians were \$86,930 in May 2006. The middle 50 percent earned between \$62,970 and \$106,250. The lowest 10 percent had earnings of less than \$43,500, while the highest 10 percent earned over \$132,190.” (Source: *Occupational Outlook Handbook, March 2008, <http://stats.bls.gov/oco/ocos043.htm>*)

Students who enjoy and excel in math should also review these related fields: Astronomy, Physics, Engineering, Statistics, Computer Science, Education and Business.

SUGGESTED PREPARATION

A strong program of high school study in math and science is very helpful, so that college level courses in these subjects can be immediately pursued. Additionally, writing and communication skills are important. All new students registering in more than 7 credits and/or registering in English and Math courses must complete EvCC’s skills assessment exams which provide recommendations for appropriate course placement based on skill levels.

For specific requirements in your area of interest at the college or university to which you wish to transfer, it is strongly recommended that you contact an EvCC math advisor, listed below, and contact the transfer institution.

GETTING STARTED AT EVCC

Our Enrollment Services Office provides information about application, advising, orientation and registration for new and continuing students. Though advising is voluntary, all prospective and current students are invited to contact the Enrollment Services Office or the Counseling Advising and Career Center (CACC) if they would like to speak one-to-one with an advisor about getting started. Contact:

- ◆ Enrollment Services, Jackson Center, 425-388-9219, admissions@everettcc.edu
- ◆ CACC, Third Floor, Parks, 425-388-9263

PROGRAM ADVISORS

It is helpful to consult with university advisors, as well as EvCC advisors. Please contact one of these EvCC advisors to help you select which degree pathway to follow, and to map out your program of study. (The area code is 425.)

Larry Baxter	Rainier 335, 388-9407, lbaxter@everettcc.edu	Kevin Bolan	Rainier 336, 388-9368, kbolan@everettcc.edu
Wendy Houston	Rainier 338, 388-9370, whouston@everettcc.edu	Bob Killingstad	Rainier 333, 388-9371, bkillingstad@everettcc.edu
Peg Balachowski	Rainier 337, 388-9529, mbalachowski@everettcc.edu	Heidi Weiss-Green	Rainier 340, 388-9252, hweiss@everettcc.edu
Rachel Kingsley	Rainier 334, 388-9454, rkingsley@everettcc.edu	Michael Nevins	Rainier 341, 388-9363, mnevins@everettcc.edu
Tophe Anderson	Rainier 339, 388-9408, canderson@everettcc.edu	Chris Quarles	Rainier 330, 388-9330, cquarles@everettcc.edu

Associate in Arts and Sciences - Option II

This checklist is targeted at transfer students with an interest in majoring in **Mathematics**. It should be maintained by the student while at Everett Community College. The quarter before expected completion, this checklist should be submitted with a diploma application to the Enrollment Services Office. This checklist refers to requirements listed in the curriculum guide titled "Associate in Arts and Sciences – Option II", which lists all the courses which are approved for the various categories of requirements. Note: Though courses in a foreign language are not required in the Option II degree, some universities may require two or three quarters of foreign language for admission or for graduation.

Courses listed with an ampersand in the course number (e.g. ENGL&101) reflect the new Common Course Numbering System.
 Courses in [brackets] are the "old" course numbers and may be used to satisfy requirements. For more information, go to www.everettcc.edu/ccn

Student Name: _____ Advisor Signature: _____ Date: _____

- PROFICIENCY** in Intermediate Algebra
- | | | |
|------------------------------|----------------|-------|
| | | |
| Where completed/Course Title | Year Completed | Grade |
- COMPLETION** of Diversity Course
- | | | |
|------------------------------|----------------|-------|
| | | |
| Where completed/Course Title | Year Completed | Grade |

Course Number	Course Title	Credits	Quarter Completed	Grade
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BASIC COMMUNICATIONS SKILLS (Minimum 10 credits, at least 6 credits in English Composition, selected from Communications Skills on the AAS – Option II list.)

ENGL& 101	English Composition	5		

BASIC QUANTITATIVE SKILLS (5 credits, see list of approved courses in Quantitative Skills on the AAS-Option II list.)

MATH& 151 [152]	Calculus I	5		

HUMANITIES (Minimum 15 credits, selected from the Option II Humanities list, in at least three disciplines, no more than 5 credits from foreign languages and performance skills. See Note 1.)

SOCIAL SCIENCE (Minimum 15 credits, selected from the Option II Social Sciences list, in at least three disciplines. See Note 1.)

NATURAL SCIENCE (Must include at least 15 credits from the Option II Natural Sciences list, in at least three different disciplines. See Note 1.)

(Course from Part A)				
(Course from Part A or B)				
MATH& 152 [153]	Calculus II	5		

RECOMMENDED FOR MATHEMATICS MAJORS

MATH& 153 [154]	Calculus III	5		
MATH& 254 [252]	Calculus IV	5		
MATH 260	Linear Algebra with Applications	5		
MATH 261	Differential Equations	5		

SUGGESTED ELECTIVES

MATH& 146 [281]	Introduction to Statistics	5		
PHIL& 106 [120]	Introduction to Logic	5		
PHYS& 221/231, 222/232, 223/233 [121/131, 122/132, 123/133]	Engineering Physics I, II, III with lab			
Computer Programming				

Minimum 90 credits required, with minimum 2.0 GPA.

Note 1: Courses must be from three different disciplines. No more than 10 credits in any one discipline may be used in Humanities, Social Science, and Natural Science.



About Everett Community College

Improve your personal skills, discover new ideas, prepare for work and/or university transfer, and improve your career prospects through programs at EvCC.

Each term, about 9,500 students enroll in a wide variety of courses. Day, evening, distance, and workplace-based options are available. Students may enroll on a full-time or part-time basis. EvCC offers two-year associate degrees, short-term certificates, endorsements and industry certifications.

Student life can be active. Currently, EvCC offers athletic programs in basketball, baseball, and soccer, to name a few.

Student clubs range from Phi Theta Kappa (the Honor Society) to the United Native American Council to the International Club to the German Club, and more. Our Student Government and Programs Board are always on the go with activities that make college life fun, as well as offering leadership training opportunities.

Student services are designed to support students in their studies, remove barriers, and enrich student life. Financial aid services offer grant and loan opportunities, as well as scholarships. Our Counseling, Advising and Career Center has a rich array of information and personal assistance for students. The Diversity and Equity Center supports student activities and College programs that promote growth and opportunity toward cultural understanding.

Former EvCC students have found employment in business and industry, in community service agencies, in schools, and in other locales. Our transfer students are known to do very well at the UW, WWU and other schools.

EvCC's University Center

Looking for educational options close to home?

Check out our new University Center, offering a variety of Bachelor's and Master's degrees –

Right here. Right now.

www.uceverett.org

Everett Community College does not discriminate on the basis of race, religion, creed, color, national origin, age, sex, sexual orientation, marital status, the presence of any physical, sensory or mental disability, or status as a disabled or Vietnam era veteran in its program and activities, or employment. The Vice President of Student Services has been designated to handle inquiries regarding student-related non-discrimination policies and can be reached at 2000 Tower Street, Everett, WA 98201, or by phone at (425)388-9589. The Associate Vice President of Human Resources has been designated to handle employment-related inquiries regarding the non-discrimination policies and can be reached at 2000 Tower Street, Everett, WA 98201, or by phone at (425)388-9232. This publication is effective **APRIL 2009**. The College reserves the right to change courses, programs, degrees and requirements. It is the student's responsibility to be aware of correct information by routinely checking with Enrollment Services and/or the advisors listed in this publication. Requirements applicable to all certificates and degrees are published in the College Catalog. Nothing contained herein shall be construed to create any offer to contract or any contractual rights.

For more information, call 425-388-9219, Everett Community College, 2000 Tower Street, Everett, WA 98201, www.everettcc.edu