



## WHAT IS MATHEMATICS?

Mathematics is the study of quantity, structure, space and change. As abstract as that may seem, math is, at its core, a quest for absolutes, definitive solutions and answers. We may think of long numeric chains, seas of fractions or spreadsheets stacked with figures, but what many don't realize is that math's complex equations are in fact roads to simplicity. Believers in better, faster, smarter solutions are often drawn to math.

## CAREERS IN MATHEMATICS

- Mathematician
- Financial Analyst
- Statistician
- Actuary
- Teacher

*For more Career Resources to help you explore the possibilities, see the other side.*

## WHAT DEGREE DO I GET AT WWCC?

For transferring to a university to pursue a major in Mathematics, you may want to complete an Associate in Science, Option II at WWCC. Below are recommended courses to prepare you for this major. Check out [www.wvcc.edu/associateinsciencell](http://www.wvcc.edu/associateinsciencell) for specific degree requirements.

## RECOMMENDED COURSES

Every university and major may require slightly different prerequisites. It is highly recommended that you speak with a representative at the future institution to identify specific prerequisite coursework or other requirements to be ready for your major (eg-minimum GPA requirements) and work with your advisor to develop an Education Plan including proper courses.

The courses listed below are recommended only, completion of these courses does not guarantee admissions to institutions or programs.

### COMMUNICATIONS (5 CREDITS REQUIRED)

- ENGL&101-Composition I

### HUMANITIES AND SOCIAL SCIENCES (15 CREDITS REQUIRED)

- Select three courses from the Humanities and Social Sciences areas with your Advisor.

### NATURAL SCIENCES (30 CREDITS REQUIRED)

- PHYS&221-Engineering Physics w/ Lab
- PHYS&222-Engineering Physics w/ Lab
- PHYS&223-Engineering Physics w/ Lab

*The AS Option II degree requires an additional 3 credits for Physical Activity courses for completion.*

### QUANTITATIVE (15 CREDITS REQUIRED)

- MATH&151-Calculus I
- MATH&151-Calculus II
- MATH&151-Calculus III

### ELECTIVES (12 CREDITS REQUIRED)

- CS121-Problem Solving w/ Programming
- MATH&254-Calculus IV
- MATH220-Linear Algebra

- Select a Biology or Chemistry course with your Advisor

### Important Notes:

*While an advisor is available to help research and plan courses, it is the student's responsibility to research and communicate with schools and programs to which they intend to apply to verify prerequisites and requirements as these vary and are subject to change.*

## SOME SCHOOLS WITH A MATHEMATICS PROGRAM:

- Boise State University
- Eastern Washington University
- Oregon State University
- University of Idaho
- Western Washington University
- Walla Walla University
- Washington State University
- Western Washington University
- Whitman College

*This is general guide for planning purposes and does not include specific dates for specific schools; that information must be obtained from your prospective colleges and universities. There are more schools offering a major in Mathematics. For more Transfer Tips and Resources including schools with this pathway, see the other side or visit [www.wvcc.edu/transfer-center/programs](http://www.wvcc.edu/transfer-center/programs)*

## CAREER RESOURCES

- American Mathematical Society - [www.ams.org](http://www.ams.org)

For more information and resources, please visit our Career website at: [www.wvcc.edu/career-services](http://www.wvcc.edu/career-services)

## TRANSFER RESOURCES

Please visit the Transfer Center at [www.wvcc.edu/transfer](http://www.wvcc.edu/transfer)

### By the end of the First year or 3<sup>rd</sup> quarter.....

- ✓ Select a major or area of study and select the appropriate WVCC degree to meet your goals
- ✓ Narrow your potential transfer schools to 3-5 schools
- ✓ Make a list of transfer requirements for your school(s) and major
- ✓ With your advisor, draw up an education plan to plot out the courses for degree completion and major readiness

### Other things to do:

- Talk with college representatives that visit WVCC
- Contact an advisor at the transfer institution in which you are interested, make sure your education plan will work for the major
- Visit the campus (if applicable) of your potential transfer school
- Fill out interest cards to receive information from schools
- Apply for TRiO and/or the Honors program if eligible

### In the Second Year....

#### Fall

- ✓ Apply for admissions to your transfer school(s) of choice, (providing copies of official transcripts from all schools you have attended)
- ✓ Contact an advisor at your prospective transfer school
- ✓ Research scholarship eligibility and deadlines, prepare to apply

#### Winter

- ✓ Complete the FAFSA and additional financial aid material required by your transfer school
- ✓ Complete scholarship applications
- ✓ Start considering housing options at your transfer school
- ✓ Apply for your degree at WVCC

#### Spring

- ✓ Complete graduation requirements for WVCC
- ✓ Accept/reject university offers
- ✓ Apply for housing (If needed)
- ✓ Request final transcript from WVCC after grades and degree(s) are posted
- ✓ Attend an Orientation session at transfer institution

FALL	WINTER	SPRING	SUMMER
FALL	WINTER	SPRING	SUMMER
FALL	WINTER	SPRING	SUMMER