



“Oceanographers use their knowledge of geology and geophysics, in addition to biology and chemistry, to study the world’s oceans and coastal waters. They study the motion and circulation of the ocean waters; the physical and chemical properties of the oceans; and how these properties affect coastal areas, climate, and weather. Oceanographers are further broken down according to their areas of expertise. For example, *physical oceanographers* study the tides, waves, currents, temperatures, density, and salinity of the ocean. They examine the interaction of various forms of energy, such as light, radar, sound, heat, and wind, with the sea, in addition to investigating the relationship between the sea, weather, and climate. *Chemical oceanographers* study the distribution of chemical compounds and chemical interactions that occur in the ocean and on the sea floor. They may investigate how pollution affects the chemistry of the ocean. *Geological and geophysical oceanographers* study the topographic features and the physical makeup of the ocean floor. Their knowledge can help companies find oil and gas off coastal waters. *Biological oceanographers*, often called marine biologists, study the distribution and migration patterns of the many diverse forms of sea life in the ocean.”

Occupational Outlook Handbook  
<http://www.bls.gov/oco/ocos288.htm>

## 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 Ctr  
425-388-9219, [admissions@everettcc.edu](mailto:admissions@everettcc.edu)
- ◆ CACC, Third Floor, Parks Bldg. 435-388-9263

## GENERAL INFORMATION

Start your pursuit of Oceanography at EvCC, then transfer to a university for your bachelor’s degree.

Advanced degrees are usually needed to work as a professional.

EvCC offers the **Associate of Science Degree**, designed as part of a transfer agreement with a variety of universities in Washington. The degree offers qualified students priority for admission with junior status at most 4-year institutions in Washington. Students interested in colleges and universities outside of Washington may also find the requirements of this degree to be appropriate.

The **Associate of Science Degree** requires that the student complete all freshman and sophomore math and science courses and a limited number of courses in English, Humanities and Social Science. Upon transfer, the student will be eligible for junior level science courses, but will need to complete the remaining distribution requirements before graduation with a baccalaureate degree. Please discuss your interests and course selection with an advisor.

## SUGGESTED PREPARATION

To begin college study in the sciences, students should have solid writing and communication skills, a strong algebra background, and high school courses in biology, chemistry and physics. Students who do not have that background may gain it at EvCC before starting the courses that will count toward their degree.

## PROGRAM ADVISORS

To plan your course of study and discuss your interests, we strongly encourage you to contact an advisor. Transfer requirements need careful attention.

- Steve Grupp, Whitehorse Hall 214, 425-388-9450, [sgrupp@everettcc.edu](mailto:sgrupp@everettcc.edu)

## SUGGESTED PLAN OF STUDY\*\*

<u>First Quarter</u>		<u>Fourth Quarter</u>	
ENGL& 101	5	CHEM& 161[140]	5.5
GEOL 102 [101]	5	MATH& 152 [153]	5
MATH& 141 [140]	5	PHYS& 221/231 [121/131]	5.5
		Foreign Language*	5
<u>Second Quarter</u>		<u>Fifth Quarter</u>	
GEOL 104 [GEOS 102]	5	CHEM& 162 [150]	5.5
MATH& 144 [147]	5	MATH& 153 [154]	5
ENGL& 102 or ENGL 103	5	PHYS& 222/232 [122/132]	5.5
		Foreign Language*	5
<u>Third Quarter</u>		<u>Sixth Quarter</u>	
OCEA& 101	5	CHEM& 163 [160]	5.5
MATH& 151 [152]	5	Social Science	5
Humanities	5	PHYS& 223/233 [123/133]	5.5
		Foreign Language or Humanities or Social Science*	5

\* Completion of Foreign Language classes depends upon previous background and university requirements; consult closely with an advisor.

\*\*Please see Note 1, next page.

# Associate of Science - Oceanography

This checklist is targeted at transfer students with an interest in Oceanography, and is designed to meet most or all of the minimum prerequisites of an Oceanography program at a 4-year college or university. This degree may not necessarily include completion of other degree requirements, such as additional courses in humanities and social sciences. This checklist 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.

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](http://www.everettcc.edu/ccn)

Student Name: \_\_\_\_\_ Advisor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**COMPLETION of Diversity Course**

	(Where Completed/Course Title)		(Year Completed)	(Grade)
Course Number	Course Title	Credits	Quarter Completed	Grade
<b>BASIC COMMUNICATIONS SKILLS</b>				
ENGL& 101 or 101D	English Composition I	5	_____	_____
ENGL& 102 or 102D	Composition II	5	_____	_____
<b>MATHEMATICS</b> (15 credits selected from MATH& 151, 152, 153, 254, 146 [152, 153, 154, 252, 281]; must include at least one of MATH& 153, 254, 146 [154, 252, or 281].)				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
<b>HUMANITIES AND SOCIAL SCIENCE</b> (15 credits, in three different disciplines, selected from both the Humanities and Social Science course list for the Associate of Science – see separate guide.)				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
<b>SCIENCE</b> (See Note 1.)				
OCEA& 101	Intro to Oceanography	5	_____	_____
GEOL 102 [GEOS 101]	Intro to Geological Science I	5	_____	_____
GEOL 104 [GEOS 102]	Intro to Geological Science II	5	_____	_____
CHEM& 161 [140]	General Chemistry with Lab I	5.5	_____	_____
CHEM& 162 [150]	General Chemistry with Lab II	5.5	_____	_____
CHEM& 163 [160]	General Chemistry with Lab III	5.5	_____	_____
PHYS& 221/231 [121/131]	Engineering Physics I	5.5	_____	_____
PHYS& 222/232 [122/132]	Engineering Physics II	5.5	_____	_____
PHYS& 223/233 [123/133]	Engineering Physics II	5.5	_____	_____
<b>ELECTIVES</b> (Recommended with advisor approval: BIOL& 211, 212 [160, 161]; BIOL 162; Foreign Language.)				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**Minimum 90 credits required, with minimum 2.0 GPA. See Note 2.**

**Note 1.** This program of study assumes the student has college level English and math skills. All new students are required to take EvCC placement tests. All science courses require completion of ENGL 98 or placement into ENGL& 101. Chemistry courses require completion of MATH 82 [28] or equivalent placement, as well as completion of CHEM& 121 [101] or a high school chemistry course. Some science classes are offered only in certain quarters of the year; please consult with an advisor to determine when classes are available. Students who initially place in a high level math course do not need to take math courses below that level. The Associate of Science degree requires the completion of at least 15 credits in Math, including completion of MATH& 153 or 254 or 146 [154, 252, 281].

**Note 2:** Completion of listed and recommended courses may result in more than 90 credits being earned for the degree. The advantage is that the completion of these courses will enable you to progress more efficiently in your major at a university. Alternatively, some of the more advanced courses may be done at the university instead. Please consult with an advisor to decide the best option for you.

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 **SEPTEMBER 2008**. 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](http://www.everettcc.edu)