



## GENERAL INFORMATION

The first two years of study toward a major in Atmospheric Science may be completed at EvCC. 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.

Atmospheric science is the study of the atmosphere—the blanket of air covering the Earth. *Atmospheric scientists*, commonly called *meteorologists*, study the atmosphere's physical characteristics, motions, and processes, and the way in which these factors affect the rest of our environment. The best known application of this knowledge is forecasting the weather. In addition to predicting the weather, atmospheric scientists attempt to identify and interpret climate trends, understand past weather, and analyze today's weather. Weather information and meteorological research are also applied in air-pollution control, agriculture, forestry, air and sea transportation, defense, and the study of possible trends in the Earth's climate, such as global warming, droughts, or ozone depletion.

Adapted from The Occupational Outlook Handbook, March 2009  
<http://stats.bls.gov/oco/ocos051.htm>

## SUGGESTED PREPARATION

To begin college study in the sciences, students should have the following high school courses, or complete the equivalent course at EvCC:

High School Courses	=	EvCC Courses
Geometry 1 and 2		MATH 95
Algebra 3 and 4		MATH 96
Trigonometry		MATH 105
Fourth Year Math		MATH& 141
Chemistry 1 and 2		CHEM& 140
Physics 1 and 2		PHYS&114, 115, 116

## CAREER OPTIONS

A career in Atmospheric Science generally requires at least a master's degree and usually a doctorate. According to the Occupational Outlook Handbook, most employment opportunities in Atmospheric Sciences may be found in the Federal government, largely in the National Oceanic and Atmospheric Administration (NOAA) in weather stations throughout the nation. Research and development or management positions are also available. Other employers are the Department of Defense, research and testing services, private weather consulting services, and computer and data processing services. Colleges and universities also offer opportunities for faculty positions.

## PROGRAM ADVISORS

To plan your course of study and discuss your interests, we strongly encourage you to contact an advisor:

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

## GETTING STARTED AT EVCC

Our Enrollment Services Office provides information about application, advising, orientation and registration for new and continuing students. New students must complete entry advising prior to registering for first quarter classes. Contact:

◆ Enrollment Services, Parks 201, 425-388-9219, [admissions@everettcc.edu](mailto:admissions@everettcc.edu)

◆ Advising Center, Rainier Hall 108  
 425-388-9339, [www.everettcc.edu/advising](http://www.everettcc.edu/advising)

## TRANSFER INFORMATION

The University of Washington is the most common transfer choice of those intending to major in Atmospheric Science. The department of Atmospheric Science is within the College of Arts and Sciences. More information can be obtained at their website:

**[www.atmos.washington.edu/](http://www.atmos.washington.edu/)**

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*See degree checklist on the other side....*

# Associate of Science – Atmospheric Science

This checklist is targeted at transfer students with an interest in **Atmospheric Science**. Students should meet with an advisor and maintain this checklist while at Everett Community College. The quarter before expected completion, this checklist should be submitted with a diploma application to the Enrollment Services Office. Note: Though courses in a foreign language are not required in the Associate of Science 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 Common Course Numbering System. For more information, go to [www.everettcc.edu/ccn](http://www.everettcc.edu/ccn)

**Student:** \_\_\_\_\_ **Advisor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**COMPLETION of Diversity Course**

Course Number	Course Title	(Where Completed/Course Title) Credits	(Year Completed) Quarter Completed	(Grade) Grade
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**COMMUNICATIONS SKILLS** (5 credits)

ENGL& 101 or 101D	English Composition I	5		
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**MATHEMATICS** (15 credits selected from MATH& 151, 152, 153, 254, 146; including at least one of MATH& 153, 254, 146)


**HUMANITIES AND SOCIAL SCIENCE** (15 credits, in three different disciplines, selected from both the Humanities and Social Science course list for the Associate of Science – see separate guide.)


**SCIENCE** (See Note 1.)

PHYS& 114	General Physics I	5.5		
PHYS& 115	General Physics II	5.5		
PHYS& 116	General Physics III	5.5		
CHEM& 161	General Chemistry with Lab I	5.5		
CHEM& 162	General Chemistry with Lab II	5.5		
CHEM& 163	General Chemistry with Lab III	5.5		
ATM S 101	Weather	5		
CS& 141	Computer Programming for Engineers and Scientists	5		

**ELECTIVES** (Selected with advisor approval, such as OCEA& 101; GEOL 102, 104; Foreign Language.)


**Total: minimum 90 credits required, minimum 2.0 GPA. See Note 2.**

**Note 1.** Prerequisites: This program of study assumes the student has college level English and math skills. All new students are required to take the EvCC English and Math placement tests. All science courses require completion of ENGL 098 or placement into ENGL& 101. Chemistry courses require completion of MATH 096 or equivalent placement, as well as completion of CHEM& 140 or higher 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.

**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 based on, but not limited to, race, color, national origin, citizenship, ethnicity, language, culture, age, sex, gender identity or expression, sexual orientation, pregnancy or parental status, marital status, actual or perceived disability, use of service animal, economic status, military or veteran status, spirituality or religion, or genetic information in its programs, activities, or employment. The Title IX Coordinator has been designated to handle inquiries regarding nondiscrimination policies and can be reached at 2000 Tower Street, Everett, WA 98201, TitleIXCoordinator@everettcc.edu, or 425-388-9271. This publication is effective **JANUARY 2014**. 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)