



## 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.”

Occupational Outlook Handbook, March 2008  
<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
Algebra 1 and 2		MATH 81 and 82 [27 and 28]
Geometry 1 and 2		MATH 95 [59]
Algebra 3 and 4		MATH 99 [65]
Trigonometry		MATH& 105 [131]
Fourth Year Math		MATH& 141 [140]
Chemistry 1 and 2		CHEM& 140 [098]
Physics 1 and 2		PHYS&121, 122, 123 [117, 118, 119]

## 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. 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

## 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 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:** \_\_\_\_\_ **Advisor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**COMPLETION of Diversity Course**

Course Number	Course Title	(Where Completed/Course Title) Credits	(Year Completed) Quarter Completed	(Grade)
<b>COMMUNICATIONS SKILLS (5 credits)</b>				
ENGL& 101 or 101D	English Composition I	5	_____	_____
<b>MATHEMATICS (15 credits selected from MATH&amp; 151, 152, 153, 254, 146 [152, 153, 154, 252, 281]; including at least one of MATH&amp; 153, 254, 146 [154, 252, 281])</b>				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
<b>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.)</b>				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
<b>SCIENCE (See Note 1.)</b>				
PHYS& 121 [117]	General Physics I	5.5	_____	_____
PHYS& 122 [118]	General Physics II	5.5	_____	_____
PHYS& 123 [119]	General Physics III	5.5	_____	_____
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	_____	_____
ATM S 101	Weather	5	_____	_____
ENGR 142	Computer Programming for Engineers/Scientists	5	_____	_____
<b>ELECTIVES (Selected with advisor approval, such as OCEA&amp; 101; GEOL 102, 104 [101, 102]; Foreign Language.)</b>				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**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 98 or placement into ENGL& 101. Chemistry courses require completion of MATH 99 [65] or equivalent placement, as well as completion of CHEM 140 [98] 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 [154 or 252 or 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 JUNE 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)