



GENERAL INFORMATION

Pharmacists dispense drugs prescribed by physicians and other health care practitioners. They also provide information about prescribed medications and over-the-counter drugs and give advice about medical equipment and home health care supplies. Additionally, they advise physicians and other health care practitioners on selection, dosage, interactions and side effects of drugs. A license to practice is required in all states, District of Columbia and U.S. territories.

The Doctor of Pharmacy (Pharm.D.) degree is a four-year professional degree program that can be entered directly after completion of two to three years of community college prerequisites and a few upper division university courses. A baccalaureate degree is not required, but may help in admission to some Pharmacy programs. Pharm. D. programs are offered at the University of Washington, WSU, and other out-of-state universities such as Oregon State University. A pharmacy student is required to serve an internship under a licensed pharmacist, to graduate from an accredited college of pharmacy and to pass the State Board Exam.

PharmCAS is a centralized online application service that allows a student to apply to multiple Pharmacy programs with a single application. (Go to www.pharmacas.org.) All application materials must be received by PharmCAS and by the UW School of Pharmacy by early January of the year the student hopes to enter Pharmacy School in Autumn Quarter. Admission is based on cumulative and prerequisite GPA, PCAT score, written and oral communication skills (essays and interview). On average there are 400 applicants for 86 positions in the UW Pharmacy program each year, with an average GPA of 3.5 – 3.6. The PCAT must have been earned within two years of the application for admission. PCAT information can be obtained by calling 1-800-622-3231.

EvCC's **Associate of Arts and Sciences - Option I** degree enables the student to complete the prerequisite courses needed to apply to a pharmacy program. This degree does not include the full range of Humanities and Social Science distribution courses that may be required by the university for a baccalaureate degree; these would need to be taken if the student pursues a baccalaureate degree. Note: there is no foreign language requirement for the UW School of Pharmacy.

CAREER OPTIONS

Pharmacists work in community retail pharmacies, hospitals, clinics, managed care organizations or long term care facilities. They may consult with nursing homes or other facilities to monitor people's drug therapy. With further education, careers in pharmaceutical or medical research are also possible.

Traditionally, pharmacists generally work in comfortable and clean settings, but spend most of the day on their feet, and may work long hours, evenings and weekends. Part time employment is a viable option. Increasingly, pharmacists are working in non-traditional ways and areas, such as with online pharmaceutical companies and in pharmaceutical research. Go to this website for more information:

<http://www.bls.gov/oco/ocos079.htm> [September 2011]

SUGGESTED PREPARATION

Students interested in health fields should be prepared to work with a diverse clientele. Their written, verbal and personal communications skills should be strong.

High school study in math, biology and chemistry is very helpful, so that college level courses in these subjects can be immediately pursued. UW strongly recommends that all college science courses be completed within the last five years. Additionally, writing and communication skills are important. The most important college-level courses to prepare for a pharmacy career are those in chemistry, especially organic chemistry. Other courses in science, math, social sciences and humanities are also required. For specific requirements for the school to which you wish to transfer, it is strongly recommended that you contact an EvCC science advisor (below) and contact the transfer institution. For example, the University of Washington requires a GPA of at least 3.0, with all prerequisites completed by the end of the Spring Quarter before entry into the Pharm. D. program. Some Pharmacy work experience is also highly recommended. WSU requires a Biochemistry course that must be taken at the upper-division level, not at the community college level. Websites of some pharmacy programs are:

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University of Washington:

Send e-mail to: pharma@u.washington.edu or go to sop.washington.edu

Washington State University:

www.pharmacy.wsu.edu

GETTING STARTED AT EVCC

Our Enrollment Services Office provides information about application, orientation and registration for new and continuing students. Though advising is voluntary, all prospective are invited to contact the Enrollment Services Office or the Educational Planning Center if they would like to speak one-to-one with an educational planner about getting started. Contact:

- ◆ Enrollment Services, Jackson Ctr, 425-388-9219, admissions@everettcc.edu
- ◆ Educational Planning Center, Third Floor, Parks, 425-388-9339

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 map out your program of study:

- ◆ Fayla Schwartz, Shuksan 117, 425-388-9451, fschwartz@everettcc.edu
- ◆ Sumita Singh, Whitehorse 307, 425-388-9373, ssingh@everettcc.edu
- ◆ Mark Kontulis, Whitehorse 318, 425-388-9136, mkontulis@everettcc.edu

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Associate in Arts and Sciences - Option I

This checklist is targeted at transfer students with an interest in **pre-pharmacy**, and is designed to meet most or all of the minimum prerequisites of a College of Pharmacy. 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: A course in Biochemistry is also required, and must be taken at a 4-year institution. Some programs also require a course in Genetics.

Student Name: _____ Advisor Signature: _____ Date: _____

COMPLETION of Diversity Course

	Where completed/Course Title		Year Completed		Grade
Course Number	Course Title	Credits	Quarter Completed		Grade
BASIC COMMUNICATIONS SKILLS (10 credits.)					
ENGL& 101	English Composition I	5	_____		_____
ENGL& 102 or ENGL103	_____	5	_____		_____
HUMANITIES (Select courses based on College of Pharmacy requirements.)					
CMST& 210 or 220 (required Fall 2009)	_____	5	_____		_____
PHIL& 106 or PHIL 118	_____	5	_____		_____
SOCIAL SCIENCES (Select courses based on College of Pharmacy requirements. See Note 1.)					
ECON& 201	Micro Economics	5	_____		_____
PSYC& 100	General Psychology	5	_____		_____
SCIENCE AND MATH (See Note 2.)					
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	_____		_____
CHEM& 261	Organic Chemistry with Lab I	6	_____		_____
CHEM& 262	Organic Chemistry with Lab II	6	_____		_____
CHEM& 263	Organic Chemistry with Lab III	6	_____		_____
BIOL& 221	Majors Ecology/Evolution	5	_____		_____
BIOL& 222	Majors Cell/Molecular	5	_____		_____
BIOL& 223	Majors Organismal Phys	5	_____		_____
BIOL& 231 (WSU only)	Human Anatomy	5.5	_____		_____
BIOL& 232 (WSU only)	Human Physiology	6	_____		_____
BIOL& 260	Microbiology	5	_____		_____
MATH 138	Applied College Algebra	5	_____		_____
MATH& 148	Business Calculus	5	_____		_____
MATH& 146	Introduction to Statistics	5	_____		_____
_____	_____	_____	_____		_____
_____	_____	_____	_____		_____
ELECTIVES					
_____	_____	_____	_____		_____
_____	_____	_____	_____		_____

Minimum 90 credits required, with minimum 2.0 GPA. See Note 3.

Note 1: ECON& 201 is required for University of Washington School of Pharmacy. For other schools, check individual College of Pharmacy requirements.

Note 2: All science courses require completion of ENGL 098 or placement into ENGL& 101. Chemistry courses require completion of MATH 099 or equivalent placement, as well as completion of CHEM& 140 or a high school chemistry course, completed within the last three years. BIOL& 221 may be taken after or concurrently with CHEM& 161. BIOL& 222 and 223 must be taken after CHEM 161. CHEM& 261, 262, 263 is offered in a sequence of Fall, Winter, Spring only; students must start in the Fall. Students may need to take additional math courses in order to meet prerequisites for math.

Note 3: 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.

SUGGESTED COURSE SEQUENCE

This plan assumes the student is academically ready for college level Math, English and Chemistry courses.

Fall	Winter	Spring	Summer
CHEM& 161 BIOL& 221 MATH 138	CHEM& 162 BIOL& 222 MATH& 148	CHEM& 163 BIOL& 223 ENGL& 101 or 101D	ENGL& 102 or 102D PSYC& 100
Fall	Winter	Spring	Summer
CHEM& 261 BIOL& 231 CMST& 210 or 220	CHEM& 262 MATH& 146 BIOL& 232	BIOL& 260 ECON& 201 PHIL &106 or 118	