EVERETT COMMUNITY COLLEGE

Animal Science

GENERAL INFORMATION

Animal science is the study of domestic animals, including their nutrition, genetics, breeding, welfare, physiology, and use in animal production systems. An animal science degree opens up a wide variety of careers in agriculture (business and animal production), allied animal industries, government, science, biotechnology, teaching, and research. The program also prepares students for entrance into veterinary or graduate school. A recent survey of graduates over a 10-year period revealed that more than 99 percent were employed.

Students interested in Animal Science may spend their first two years at a community college prior to transferring to a 4-year college or university to major in Animal Science. EvCC offers a degree toward a major in Animal Science, and courses that satisfy a number of the pre-requisites for the major.

The Associate in Arts and Sciences – Option II meets guidelines for direct transfer to most colleges and universities in Washington, as well as to the major universities in Oregon. The degree enables the student to complete basic distribution requirements in Math, English, Humanities, Social Sciences and Natural Sciences, and to begin the major course of study. However, the student may have to take additional freshman and sophomore level science courses at the university before being eligible for junior level courses in the major.

CAREER OPTIONS

Career opportunities include animal production and food processing, agricultural equipment, feed manufacturing and sales, pharmaceuticals, artificial insemination, and research. Employment may be found in business, industry, colleges and universities, and most frequently in government. International travel may be a career possibility. Starting salaries vary depending on the location, employer and type of work. For more information see the *Occupational Outlook Handbook* http://stats.bls.gov/oco/ocos046.htm
[March 2009]

SUGGESTED PREPARATION

High school study in math, biology and chemistry is very helpful, so that college level courses in these subjects can be immediately pursued. Additionally, writing and communication skills are important.

Students interested in Animal Science should possess these qualities: ingenuity and adaptability, good manual dexterity, ability to focus on scientific practices and research and ability to convey information.

For specific requirements in your area of interest, it is strongly recommended that you contact an EvCC biology advisor (below) and contact the Animal Science program at WSU.

The Website of WSU's Animal Science program provides information about this field: (March 2009)

Website: www.ansci.wsu.edu
Phone: 509-335-5523

PROGRAM ADVISORS

- Fayla Schwartz, Shuksan 117, 425-388-9451
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- Pamela Pape-Lindstrom, Shuksan 118, 425-388-9480
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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 Center
  425-388-9219
  admissions@everettcc.edu
- CACC, Third Floor, Parks, 425-388-9263

Associate in Arts and Sciences - Option II

This checklist is targeted at transfer students with an interest in **animal 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. This checklist refers to requirements listed in the curriculum guide titled "Associate in Arts and Sciences – Option II", which lists all the courses which are approved for the various categories of requirements. Note: Though courses in a foreign language are not required in the Option II 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.

Student Name: _____ Advisor Signature: _____ Date: _____

- ☐ **PROFICIENCY in Intermediate Algebra** _____ (Where Completed/Course Title) _____ (Year Completed) _____ (Grade)
- ☐ **COMPLETION of Diversity Course** _____ (Where Completed/Course Title) _____ (Year Completed) _____ (Grade)

Course Number	Course Title	Credits	Quarter Completed	Grade
BASIC COMMUNICATIONS SKILLS (Minimum of 10 credits from approved list.)				
*ENGL&101	English Composition I	5		
+ENGL& 102 or ENGL& 103	Composition II or Critical Paper	5		
BASIC QUANTITATIVE SKILLS (5 credits)				
*MATH& 141 [140]	Precalculus: College Algebra	5		
HUMANITIES (15 credits from the Option II approved Humanities List. See Note 1.)				
*CMST& 220 [SPCH 101]	Public Speaking	5		
SOCIAL SCIENCE (15 credits from the Option II approved Social Science List. See Note 1.)				
*ECON& 201	Micro Economics	5		
SCIENCE AND MATH (See Note 1 and 2.)				
*BIOL& 221 [180]	Majors Ecology/Evolution	5		
*BIOL& 222 [200]	Majors Cellular/Molecular	5		
*BIOL& 223 [220]	Majors Organismal Physiology	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		
*CHEM& 261 [200]	Organic Chemistry with Lab I	6		
*CHEM& 262 [201]	Organic Chemistry with Lab II	6		
+CHEM& 263 [202]	Organic Chemistry with Lab III	6		
*MATH& 148 [142]	Business Calculus	5		
*MATH& 146 [281]	Introduction to Statistics	5		
*PHYS& 121 [117]	General Physics I	5		
+PHYS& 122 or 123 [118 or 119]	General Physics II or III	5		

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

* Required.

\+ See advisor to discuss whether these courses or others are appropriate for your goal and/or for your transfer institution.

Note 1: Courses must be from three different disciplines. No more than 10 credits in any one discipline may be used in Humanities, Social Science and Science.

Note 2: All science courses require completion of ENGL 98 or placement into ENGL& 101. Chemistry courses require completion of MATH 099 [65] or equivalent placement, as well as completion of CHEM& 140 [98] or a high school chemistry course completed within the last three years. BIOL& 221 [180] may be taken after or concurrently with CHEM& 161 [140]. BIOL& 222 and 223 [200, 220] must be taken after CHEM& 161 [140]. CHEM& 261, 262, 263 [200, 201, 202] is only offered Fall/Winter/Spring. It may be advisable to take Physics in the junior year.

Note 3: Completion of all the listed 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.