

ASSOCIATE IN BIOLOGY (DTA/MRP)

Direct Transfer Agreement (DTA)/Major Related Program (MRP)
(90 credits)

Program Description

Biology studies the vast and diverse world of living organisms. You'll look at issues broadly related to animals, plants, or humans – including ecology, biological diversity, cellular structure and function, pathogens and disease processes, and human physiology. You will work with passionate instructors in small classes, well-equipped labs, and out in the field for independent research projects.

The Associate in Biology Degree is designed for persons interested in transferring to a four-year college or university. Students who successfully complete degree requirements and elective courses recommended for their specific area of study will transfer to most four-year degree programs with junior standing.

Career Opportunities

- Biologist
- Natural Science Manager
- Biostatistician
- Soil and Plant Scientist

Outcomes

South Puget Sound Community College believes that all students need to develop a broad range of abilities that will not only make them more effective in their professional pursuits but will enhance their capacity to relate well to others in their daily lives.

General education introduces students to the content and methodology of the major areas of knowledge – communication, the humanities and fine arts, the natural sciences, mathematics and the social sciences – and helps them develop the intellectual skills that will make them more effective life-long learners. The College's general education program is intended to meet the transfer requirements of four-year colleges and universities as outlined in the Intercollegiate Relations Commission Handbook.

The SPSCC college-wide abilities are embedded into each program:

- Effective Communication
- Information Literacy
- Analytical Reasoning
- Multicultural Awareness
- Social Responsibility

Courses by Quarter

In planning this degree students need to work closely with their advisor and the transfer institution so that the science credits within the degree

create a seamless passage to the transfer institution. Although the Associate Degree transfers to four-year colleges and universities in Washington State, it may not meet specific department requirements. To earn an Associate in Biology degree all courses taken must be:

- At college level (numbered 100 or above).
- A minimum of 75 of the 90 credits required for the degree must be from the General Education Requirements for the Associate in Arts & Science – Direct Transfer Agreement. Copies of the list are available on line at spsc.edu/programs/general-ed-requirements.
- A class can only count once toward General Education requirements. For example, IIS 125 will satisfy either HUMANITIES or SOCIAL SCIENCE course requirements, but not both.
- A maximum of 5 credits in performance/skills courses may be applied to the humanities distribution requirement.
- A cumulative grade point average of 2.0 or above in all college-level courses required.
- Although this degree is a general transfer degree, South Puget Sound Community College has provided pathways and associated recommended courses for ease of student selection based upon a student's career interest. Please review the pathway maps for recommended courses and course sequences.

Courses by Quarter

Code	Title	Credits
Quarter 1		
Transition Studies		
Quarter 2		
AMATH 097	Corequisite Intermediate Algebra	7
ENGL 090	Integrated Reading and Writing I	5
	or ENGL 095	Integrated Reading and Writing II
CCS 101	Pathways to Success	3
Quarter 3		
AMATH 141	Corequisite Precalculus I ¹	8
ENGL 098	Transitional English Composition	5
	or ENGL& 101	English Composition I
Select one of the following:		5
ANTH& 100	Survey of Anthropology	
ECON& 201	Micro Economics	
HIST& 148	US History III	
POLS& 202	United States Government	
PSYC& 100	General Psychology	
Quarter 4		
MATH& 142	Precalculus II	5
CHEM& 139	General Chemistry Prep	5
BIOL& 211	Majors Cellular ²	5
Quarter 5		
MATH& 151	Calculus I	5
CHEM& 161	General Chemistry w/Lab I ³	5
BIOL& 212	Majors Animal	5
Quarter 6		
ENGL& 102	Composition II	5
CHEM& 162	General Chemistry W/Lab II	5
BIOL& 213	Majors Plant	5
Quarter 7		

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CHEM& 163	General Chemistry W/Lab III	5
Select one of the following:		
ANTH& 206	Cultural Anthropology: Diversity	5
SOC 205	Sociology of Race and Ethnicity: Diversity	
SOC 235	Sociology of Gender: Diversity	
PSYC 116	Psychology of Human Relations: Diversity	
HUM 250	American Ethnic Studies: Diversity	

Humanities Distribution Course (<https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/>) 5

Quarter 8
Select one of the following: 5

ANTH& 104	World Prehistory	
BUS& 101	Introduction to Business	
ECON& 202	Macro Economics	
HIST& 128	World Civilization III	
PSYC 203	Human Sexuality	

Humanities Distribution Course (<https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/>) 5

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- ¹ Some students may place directly into MATH& 141.
- ² BIOL& 211/212/213 sequence starts in Fall and Winter quarters.
- ³ CHEM& 161/162/163 sequence starts in Fall and Winter quarters.

CCS 101 (Scr) Pathways to Success	Choose One (Scr) (Social Science, recommended) ANTH& 100 Survey of Anthropology ECON& 201 Micro Economics HIST& 148 US History III POL& 202 American Government PSYC 100 General Psychology	BIOL& 211 (Scr) Majors Cellular	BIOL& 212 (Scr) Majors Animal	BIOL& 213 (Scr) Majors Plant	Choose One (Scr) (Humanities, recommended) ART 120 Beginning Drawing CMST 240 Intercultural Communication: Diversity ENGL& 111 Introduction to Literature PHIL 102 Ethics HUM 245 Reading America Language any Gen. Ed. Course	Choose One (Scr) (Humanities, recommended) CMST 240 Intercultural Communication: Diversity ENGL& 111 Introduction to Literature PHIL 120 Symbolic Logic Language any Gen. Ed. Course
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Pathway Maps

South Puget Sound Community College has provided pathways and associated recommended courses for ease of student selection based upon a student's career interest. Please review the pathway maps for required and recommended courses.

Biology
Associate in Biology - Direct Transfer Agreement (DTA)/Major-Related Program (MRP)
90 Credits

Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8
Transition Studies	AMATH 097 (Tr) Corequisite Intermediate Algebra Includes ability to complete MATH 096 and MATH 097	AMATH 141 (Scr) Corequisite Precalculus I Includes ability to complete MATH 096 and MATH 141 *Some students may place directly into MATH& 141	MATH& 142 (Scr) Precalculus II	MATH& 151 (Scr) Calculus I	ENGL& 102 (Scr) Composition II	Choose One (Scr) (Social Science, Diversity, recommended) ANTH& 206 Cultural Anthropology: Diversity SOC 205 Sociology of Race and Ethnicity: Diversity SOC 235 Sociology of Gender: Diversity PSYC 116 Psychology of Human Relations: Diversity HUM 250 American Ethnic Studies: Diversity	Choose One (Scr) (Humanities, recommended) ART 120 Beginning Drawing CMST 240 Intercultural Communication: Diversity ENGL& 111 Introduction to Literature PHIL 120 Symbolic Logic Language any Gen. Ed. Course
ENGL 090 (Scr) Integrated Reading and Writing I ENGL 095 (Scr) Integrated Reading and Writing II	ENGL 098 (Scr) Transitional English Composition ENGL& 101 (Scr) English Composition I	CHEM& 139 (Scr) General Chemistry Prep	CHEM& 161 (Scr) General Chemistry w/Lab I CHEM& 162/163 sequence starts in Fall and Winter quarters.	CHEM& 162 (Scr) General Chemistry w/Lab II	CHEM& 163 (Scr) General Chemistry w/Lab III	Choose One (Scr) (Social Science, recommended) ANTH& 104 World Prehistory BUS& 101 Introduction to Business ECON& 202 Macro Economics HIST& 128 World Civilization III PSYC 203 Human Sexuality	