

GENERAL SCIENCE - TRACK 1 (AS-T)

Associate in Science - Transfer (Track 1)
(90 credits)

Program Description

Test, question, discover, and work collaboratively with a group of peers who share your curiosity. By studying the sciences at SPSCC, you will be a part of small lectures led by faculty who are excited about teaching and their area of expertise. Our students use more equipment, perform more dissections, and work with more projects than many classes at 4-year institutions.

The Associate in Science-Transfer is designed for persons interested in transferring to a four-year college or university to study science or engineering. Students who successfully complete degree requirements and elective courses recommended for their specific area of study will transfer to many four-year degree programs with junior standing. Compared to the Associate of Arts Degree, this degree delays some general education distribution credits until the junior or senior year in order to make room in the transfer degree for required freshman and sophomore-level science sequences. AS-T Track 1 focuses on chemistry, biology, environmental and natural resource sciences and geology and earth sciences.

Career Opportunities

- Chemist
- Materials Scientist
- Conservation Scientist
- Environmental 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 in Science-Transfer Degree transfers to four-year colleges and universities in Washington State, it may not meet specific department requirements.

To earn an Associate in Science-Transfer (Track 1) degree all courses taken must be:

- At college level (numbered 100 or above).
- A minimum of 85 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 online at spscc.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	
CHEM& 139	General Chemistry Prep	5
Quarter 4		
MATH& 142	Precalculus II	5
CHEM& 161	General Chemistry w/Lab I ²	5
Social Science Distribution Course (https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/)		
Quarter 5		
MATH& 151	Calculus I	5
CHEM& 162	General Chemistry W/Lab II	5
BIOL& 211	Majors Cellular ²	5
or PHYS& 114	General Physics I w/Lab	
Quarter 6		

MATH& 152	Calculus II	5
CHEM& 163	General Chemistry W/Lab III	5
BIOL& 212 or PHYS& 115	Majors Animal General Physics II w/Lab	5

Quarter 7

MATH& 153 or MATH& 146	Calculus III Introduction to Statistics	5
BIOL& 213 or PHYS& 116	Majors Plant General Physics III w/Lab	5

Select one of the following: 5

ANTH& 205	Biological Anthropology
ASTR& 100	Survey of Astronomy
BIOL& 175	Human Biology W/Lab
BOT 101	Introduction to Botany
ENVS& 100	Survey of Environmental Science

Quarter 8

Select one of the following: 5

ANTH& 206	Cultural Anthropology: Diversity
CMST& 240	Intercultural Communication: Diversity
HUM 250	American Ethnic Studies: Diversity
PSYC 116	Psychology of Human Relations: Diversity
SOC 285	Food and Society: Diversity

General Elective Course from Any Distribution (<https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/>) 2-5

- ¹ Some students may place directly into MATH& 141.
- ² PHYS&114/115/116 sequence starts in Fall quarter. BIOL& 211/212/213 sequence starts in Fall and Winter.

Students are required to complete a minimum of 90 credits to attain the AS-1 degree. Students should work with their career and educational planner to ensure plan out any additional electives or remaining credits.

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.

AS Track 1 – General Science Pathway Map
Associate in Science Track 1
90 Credits

Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8
Transition Studies	AMATH 097 (Tit) Corequisite Intermediate Algebra Includes ability to composite MATH 096 MATH 097	AMATH 141 (Scr) Corequisite Precalculus I Includes ability to composite MATH 099 *MATH& 141 *Some students may place directly into MATH& 142	MATH& 142 (Scr) Precalculus II	MATH& 151 (Scr) Calculus I	MATH& 152 (Scr) Calculus II	Choose One: (Scr) (Quantitative, required) MATH& 153 (Scr) Calculus III MATH& 146 (Scr) Introduction to Statistics	Choose One: (Scr) (Humanities, recommended) ART 120 Beginning Drawing CMST 240 Intercultural Communication: Diversity 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 Composites ENGL 101 (Scr) English Composition I	Choose One: (Scr) (Social Science, recommended) ANTH& 100 Survey of Anthropology ECON& 202 Macro Economics HIST& 128 World Civilization III POL& 202 American Government PSYC& 100 General Psychology SO& 201 Social Problems: Diversity	Choose One: (Scr) (Second Natural Science Sequence, required) BIOL& 211 (Scr) Majors Cellular PHYS& 114 (Scr) General Physics I w/Lab PHYS& 114/115/116 sequence starts in Fall quarter. BIOL& 211/212/213 sequence starts in Fall and Winter	Choose One: (Scr) (Second Natural Science Sequence, required) BIOL& 212 (Scr) Majors Animal PHYS& 115 (Scr) General Physics II w/Lab	Choose One: (Scr) (Second Natural Science Sequence, required) BIOL& 213 (Scr) Majors Plant PHYS& 116 (Scr) General Physics III w/Lab	Choose One: (Scr) (Humanities or Social Science/Diversity, recommended) ANTH& 206 Cultural Anthropology: Diversity CMST 240 Intercultural Communication: Diversity HUM 250 American Ethnic Studies: Diversity PSYC 116 Psychology of Human Relations: Diversity SOC 285 Food and Society: Diversity
---	--	---	--	---	---	--

CCS 101 (Scr) Pathways to Success	CHEM& 129 (Scr) General Chemistry Prep	CHEM& 161 (Scr) General Chemistry w/Lab I NOTE – CHEM& 162/163/163 sequence starts in fall and winter.	CHEM& 162 (Scr) General Chemistry w/Lab II	CHEM& 163 (Scr) General Chemistry w/Lab III	Choose One: (Scr) (Additional Science, recommended) ANTH& 205 Biological Anthropology ASTR& 100 Survey of Astronomy BIOL& 175 Human Biology w/Lab BOT 101 Introduction to Botany ENVS& 100 Survey of Environmental Science NUTR& 101 Human	Choose One: (2-Scr) (Recommended Electives) ASTR& 115 (Scr) Stars, Galaxies, and Cosmos BIOL 180 (Scr) Introduction to Marine Biology CHEM& 131 (Scr) Introduction to Organic/Biochemistry ENGL& 102 (Scr) Composition II ENVS 102 (Scr) Climate Change & Society ENVS 203 (Scr) Climate and Energy Solutions OCEAN 101 (Scr) Introduction to Oceanography w/Lab Any P E Course (2-Scr)
--------------------------------------	---	--	---	--	---	---

*** Students are required to complete a minimum of 90 credits to attain the AS-1 degree. Students should work with their career and educational planner to ensure plan out any additional electives or remaining credits.