

## PROGRAM PLANNING GUIDE

### ASSOCIATE IN SCIENCE Track 1

**PROGRAM DESCRIPTION:** The Associate in Science Track 1 degree is intended for students planning to transfer to baccalaureate institutions to major in chemistry, biological sciences, environmental/resource sciences, or geology/earth science. Compared to the Associate in 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.

**PROGRAM OUTCOMES:** 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 intended to meet the transfer requirements of the four-year colleges and universities as outlined in the Intercollegiate Relations Commission Handbook. Students completing the Associate in Sciences Track 1 degree will be prepared to:

- Apply for admission to university biology, chemistry, geology, or environmental science major programs with junior standing.
- Communicate effectively;
- Apply fundamental skills, understand mathematical relationships and appreciate the beauty and power of mathematical structures;
- Demonstrate knowledge of, or practice in, intellectual, cultural and artistic heritages;
- Explain and apply natural laws and theories that model the natural world;
- Understand themselves and others as they interact in a social, political and economic world;
- Think logically and critically;
- Integrate and synthesize knowledge; and
- Function more knowledgeably as responsible citizens in our democratic society.

**PROGRAM REQUIREMENTS:** In planning this degree, it is essential that the student work closely with a faculty advisor and the transfer institution so that the science credits within the degree create a seamless passage to the transfer institution.

A minimum of 90 credits are required, meeting the distribution in the table below. All courses must be college-level, with a cumulative average of 2.0 or above. A maximum of 5 credits in performance/skills courses may be applied to the humanities distribution requirement. A maximum of 5 credits may come from courses not on the General Education Distribution List. Copies of the list are available through Student Support Services or on line at [www.spscc.ctc.edu](http://www.spscc.ctc.edu).

**It is strongly recommended that each science sequence be completed at a single institution.**

<p>A. Communication: ENGL&amp; 101 _____</p> <p style="text-align: right;">Total 5 credits</p>	<p>B. Quantitative: Calculus I _____ Calculus II _____ Calculus III or Statistics _____</p> <p style="text-align: right;">Total 15 credits</p>
<p>C. Humanities _____</p> <p style="text-align: right;">Total 5 credits</p>	<p>D. Social Sciences _____</p> <p style="text-align: right;">Total 5 credits</p>
<p>E. Humanities or Social Sciences* _____</p> <p style="text-align: right;">Total 5 credits</p>	<p>* Must be in a different discipline than the courses used for part C and part D. C., D., or E. should fulfill the diversity requirement.</p>
<p>F. Chemistry: General Chemistry I _____ General Chemistry II _____ General Chemistry III _____</p> <p style="text-align: right;">Total 15 credits</p>	<p>G. Second science sequence General Biology I, II, III _____ OR General Physics 1, 2, 3 _____ OR Engineering Physics 1, 2, 3 _____</p> <p style="text-align: right;">Total 15 credits</p>
<p>H. Additional science requirements: Courses normally taken by science majors (not for general education) preferably in 2 or 3-</p>	<p>I. Remaining credits May include prerequisites for major courses (e.g. Pre-calculus), additional major coursework,</p>

quarter sequences. Must be approved by advisor.  _____ _____  <p style="text-align: center;">Total 10 credits</p>	or specific general education or other university requirements, as approved by the advisor.  _____ _____ _____  <p style="text-align: center;">Total 15 credits</p>
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**DIVERSITY REQUIREMENT:** South Puget Sound Community College requires all new students seeking an Associate Degree to complete a “diversity” course which meets the college criteria for listing as a diversity course and has been approved for such listing by the college Instruction Council prior to the student enrolling in the class.

**EXIT ASSESSMENT:** South Puget Sound Community College requires all students to complete an exit assessment process as a requirement for graduation. This requirement is in effect for the following student populations: all new students as of summer 2003; and those students who do not maintain consecutive enrollment under the pre-existing catalog requirement. This requirement does not apply to students who are seeking a certificate of completion.

**OFFICE OF CIVIL RIGHTS COMPLIANCE STATEMENT:** South Puget Sound Community College’s equal opportunity policy prohibits discrimination in our services and in employment against any person on the basis of race or ethnicity, creed, color, national origin, sex, marital status, sexual orientation, age, religion, Vietnam-era or disabled veteran status, or the presence of any sensory, physical or mental disability except in the case of a bona fide occupation qualification. South Puget Sound Community College is an equal opportunity/affirmative action employer and complies with the Americans with Disabilities Act (ADA).

**Effective:** 2007-2008 Academic Year

**Revised:** June 25, 2007

## Advising Recommendations

Degree Requirement	Biology majors	Chemistry majors	Environmental Resource Earth Science
Communication	English Composition I	English Composition I	English Composition I
Quantitative: Calc I and II Calc III or Math 108	Calc I, Calc II, Calc III or Math 108	Calc I Calc II Calc III	Calc I Calc II Calc III
Chemistry Full-year sequence	Chem 161, 162, 163	Chem 161, 162, 163	Chem 161, 162, 163
2 <sup>nd</sup> science sequence (consult with advisor) Biology or Physics	Biology 111/112/113	Physics 121, 122, 123 Or Physics 221, 222, 223	Biology 111/12/13 Or Physics
Additional credits in science (consult with advisor) Should be courses designed for science majors	Organic Chemistry or physics sequence (Biology Ed should take Organic)	Organic Chemistry sequence	See advisor
Humanities	5 credits*	5 credits*	5 credits*
Social sciences	5 credits*	5 credits*	5 credits*
2 <sup>nd</sup> discipline of either humanities or social science	5 credits*	5 credits*	5 credits*
Remaining credits May include precalculus, Writing 102 or other. At least 10 credits must be from distribution list.	15 credits (Biology Ed take EDUC& 205, Writing 102)	15 credits (Chemistry Ed take EDUC& 205, Writing 102)	15 credits

\* One of these courses should be a diversity course.