



Associate in Science- Transfer Track 2
Engineering, Computer Science, Physics, and Atmospheric Sciences
90 Credits Minimum

The Associate in Science-Transfer (AS-T) degree is designed for students who are interested in earning a two-year academic degree. Track 2 is for students with majors in computer science, atmospheric science, or physics. This degree is primarily intended for students planning to transfer to a four-year college or university with a major in natural science, pre-med, engineering, or computer science. Like all Cascadia transfer degrees, the AS-T degree provides students with a solid foundation for future studies through the completion of a range of courses in the sciences and liberal arts. Courses are similar to what would typically be taken at a four-year college or university. AS-T degree students should consult an academic advisor for full details.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Demonstrate a solid foundation for baccalaureate science studies through the completion of an appropriate range of courses in the sciences and liberal arts

Completion Requirements

The Associate in Science-Transfer Track 2 degree requires at least 90 credit hours in college level courses (numbered 100 or above), a minimum cumulative 2.0 grade point average, a minimum of 25 credits in residence at Cascadia, and completion of all of the requirements for this degree. Students must complete and submit an application for graduation to Enrollment Services for review and approval before the degree is granted.

GENERAL EDUCATION CORE REQUIREMENTS 30 CREDITS

Foundations for College Success

Must be completed within first 30 credits.

Course ID	Course Name	Lec	Lab	Other	Credits
COLL 100, or COLL 101	Study Strategies, or College Strategies	55			5.0

Communication

Course ID	Course Name	Lec	Lab	Other	Credits
ENGL&101	English Composition I	55			5.0
ENGL& 102, or ENGL& 235	Composition II, or Technical Writing	55			5.0

Quantitative or Symbolic Reasoning

Track 2-
 06/10/2015- review team edits- more 4/13/15
 04/23/2014 clarification of degree requirements and formatting

Course ID	Course Name	Lec	Lab	Other	Credits
MATH& 151, or above	Calculus I	55			5.0
MATH& 152, or above	Calculus II	55			5.0

Cultural Knowledge Requirement:

Course ID	Course Name	Lec	Lab	Other	Credits
CMST, GS, HIST, HUMAN, or SOC	150 series designated course	55			5.0
Students are also required to take an additional CKR designated course. This CKR designated course may also be used to satisfy either the Humanities or Social Science Distribution requirement below.					

HUMANITIES / SOCIAL SCIENCES DISTRIBUTION REQUIREMENT 10 CREDITS

Students must complete courses from at least two different disciplines. No more than five credits may be included from those courses designated **HP** as performance/skills, applied theory or lecture/studio courses. Only one course of a world language at the 100 level may be included.

Course ID	Course Name	Lec	Lab	Other	Credits
	H designated course	55			5.0
	SS designated course	55			5.0

PRE-MAJOR REQUIREMENT 25-26 CREDITS

Students must complete courses from at least two different disciplines, and include at least five credits of a lab course (**LAB**). At least 10 credits required in physical, earth and/or biological sciences. Students should complete the sequence courses listed below at one institution.

Course ID	Course Name	Lec	Lab	Other	Credits
CHEM&161, or Other science	General Chemistry w/ Lab I, or See advisor for other major options	, or var.	. or var.		6.0, or 5.0
MATH& 146, or MATH&163	Introduction to Statistics, or Calculus 3	55			5.0
PHYS&221	Engineering Physics I	44	22		5.0
PHYS&222	Engineering Physics II	44	22		5.0
PHYS&223	Engineering Physics III	44	22		5.0

PROGRAM REQUIRED ELECTIVES 24-25 CREDITS

Remaining elective credits should be planned with the help of an advisor based on the requirements of the specific major at the baccalaureate institution the student selects to attend. Elective credits may be selected from any of the distribution and elective courses. Professional/technical courses numbered 100 or above may be considered restricted electives. No more than 5.0 credits may be included from Restricted Electives List. Consult an advisor for more information.