

# ENGINEERING AND PHYSICS - TRACK 2 (AS-T)

## Courses by Quarter

In planning this degree students need to work closely with their faculty 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 2) 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](https://catalog.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.
- A minimum of 90 credits is required, meeting the distribution in the table below.

## Courses by Quarter

Code	Title	Credits
<b>Quarter 1</b>		
Transition Studies		
<b>Quarter 2</b>		
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
<b>Quarter 3</b>		
AMATH 141	Corequisite Precalculus I <sup>1</sup>	8
ENGL 098	Transitional English Composition	5
or ENGL& 101	English Composition I	
CHEM& 139	General Chemistry Prep	5
<b>Quarter 4</b>		
MATH& 142	Precalculus II	5
CHEM& 161	General Chemistry w/Lab I <sup>2</sup>	5
Humanities Distribution Course ( <a href="https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/">https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/</a> )		
<b>Quarter 5</b>		

MATH& 151	Calculus I	5
Diversity Distribution Course ( <a href="https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/">https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/</a> )		
General Elective Course from Any Distribution ( <a href="https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/">https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/</a> )		
<b>Quarter 6</b>		
MATH& 152	Calculus II	5
PHYS& 221	Engineering Physics I w/Lab <sup>3</sup>	5
General Elective Course from Any Distribution ( <a href="https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/">https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/</a> )		
<b>Quarter 7</b>		
MATH& 146	Introduction to Statistics	5
or MATH& 153	Calculus III	
PHYS& 222	Engineering Physics II w/Lab	5
General Elective Course from Any Distribution ( <a href="https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/">https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/</a> )		
<b>Quarter 8</b>		
PHYS& 223	Engineering Physics III w/Lab	5
Social Science Distribution Course ( <a href="https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/">https://catalog.spscc.edu/distribution-requirements/aa-as-dt-degrees/</a> )		
**Students are required to complete a minimum of 90 credits to attain the AS-2 degree. Students should work with their career and educational planner to plan out any additional electives or remaining credits.		

<sup>1</sup> Some students may place directly into MATH& 141

<sup>2</sup> CHEM&161 is offered in Fall and Winter quarters.

<sup>3</sup> PHYS& 221/222/223 sequence starts in Fall and Winter