

ENGINEERING AND PHYSICS - TRACK 2 (AS-T)

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.

Associate in Science Track 2 – Engineering & Physics Pathway Map
Associate in Science Track 2
90 Credits

Qtr. 1	Qtr. 2	Qtr. 3	Qtr. 4	Qtr. 5	Qtr. 6	Qtr. 7	Qtr. 8
Transition Studies	MATH 097 (3cr) Corequisite Intermediate Algebra Includes 160, 161, 162, 163, 164, 165, 166, 167, 168, 169	MATH 141 (3cr) Corequisite Precalculus I Includes ability to complete MATH 099 * MATH 141 *Some students may place directly into MATH 141	MATH 142 (3cr) Precalculus II	MATH 151 (3cr) Calculus I	MATH 152 (3cr) Calculus II	Choose One: (3cr) (Quantitative, required) MATH 146 Introduction to Statistics MATH 153 Calculus III	Choose One: (3cr) (Social Science, recommended) ANTH 104 World Prehistory BUS 101 Introduction to Business HIST 128 World Civilization III POLS 201 American Government PSYC 116 Psychology of Human Relations: Diversity

ENGL 090 (3cr) Integrated Reading and Writing ENGL 095 (3cr) Integrated Reading and Writing I	ENGL 098 (3cr) Transition: English Composition ENGL 101 (3cr) English Composition I	Choose One: (3cr) (Humanities, recommended) Language any Gen. Ed. Course ENGL 111 Introduction to Literature PHIL 110 Symbolic Logic DRMA 271 Theater production practicum: non-musical	Choose One: (3cr) (Humanities or Social Science/Diversity, recommended) ANTH 206 Cultural Anthropology: Diversity CRST 200 Intercultural Communication: Diversity HUM 250 American Ethnic Studies: Diversity SOC 201 Social Problems: Diversity SOC 235 Sociology of Gender: Diversity	PHYS 211 (3cr) Engineering Physics I w/Lab PHYS 221/222/223 sequence starts in Fall and Winter	PHYS 222 (3cr) Engineering Physics II w/Lab	PHYS 223 (3cr) Engineering Physics III w/Lab
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CCS 101 (3cr) Pathways to Success	CHEM 139 (3cr) General Chemistry Prep	CHEM 163 (3cr) General Chemistry w/Lab I CHEM 163 is offered in Fall and Winter quarters.	Choose One: (1-6cr) (Electives, recommended) ASTR 100 (3cr) Survey of Astronomy BIOL 213 (3cr) Major Cellular BIOL/CHEM/PHYS 214 (1cr) Undergraduate Research I ENVS 100 Survey of Environmental Science CHEM 162 (3cr) General Chemistry w/Lab II CS 142 (3cr) Open-Ended Programming I MATH 214 (1-6cr) Undergraduate Research I OCEAN 101 (3cr) Introduction to Oceanography w/Lab	Choose One: (1-3cr) (Electives, recommended) ASTR 115 (3cr) Stars, Galaxies, and Cosmology BIOL/CHEM/PHYS 215 (1cr) Undergraduate Research II CHEM 163 (3cr) General Chemistry w/Lab III CS 143 (3cr) Open-Ended Programming II ENGR 214 (3cr) Statics ENVS 102 (3cr) Climate Change & Society MATH 205 (3cr) Linear Algebra (winter only)	Choose One: (2-3cr) (Electives, recommended) BIOL/CHEM/PHYS 216 (3cr) Undergraduate Research III ENGR 203 (3cr) Mechanics of Materials Laboratory ENGR 204 (2cr) Mechanics of Materials Dynamics ENGR 215 (3cr) Climate and Energy Solutions	Choose One: (2-3cr) (Electives, recommended or 2 credits needed to meet A&S requirements) BOT 101 (3cr) Introduction to Botany ENGL 103 (3cr) Composition II MATH 238 (3cr) Differential Equations (spring only) MATH 264 (3cr) Calculus IV (fall only) Any PE course (2-3cr)
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*** 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.