



**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	Qtr. 9
<p><b>Transition Studies</b></p>	<p><b>AMATH 097</b> (7cr) <i>Accelerated Intermediate Algebra</i></p> <p>Includes ability to complete:</p> <p><b>MATH 092</b> <b>MATH 096</b> <b>MATH 097</b></p>	<p><b>AMATH 141</b> (8cr) <i>Accelerated PreCalculus I*</i></p> <p>Includes ability to complete: <b>MATH 098</b> <b>MATH 099</b> <b>MATH&amp; 141</b></p> <p>*some students may place directly into MATH&amp; 141</p>	<p><b>MATH&amp; 142</b> (5cr) <i>Precalculus II</i></p>	<p><b>MATH&amp; 151</b> (5cr) <i>Calculus I</i></p>	<p><b>MATH&amp; 152</b> (5cr) <i>Calculus II</i></p>	<p><i>Choose One: (5cr) (Quantitative, required)</i></p> <p><b>MATH&amp; 146</b> <i>Introduction to Statistics</i></p> <p><b>MATH&amp; 153</b> <i>Calculus III</i></p>	<p><i>Choose One: (5cr) (Humanities or Social Science/Diversity, recommended)</i></p> <p><b>ANTH&amp; 206</b> <i>Cultural Anthropology: Diversity</i></p> <p><b>CMST&amp; 210</b> <i>Interpersonal Communication: Diversity</i></p> <p><b>CMST 240</b> <i>Intercultural Communication: Diversity</i></p> <p><b>HUM 121</b> <i>Multicultural America: Diversity</i></p> <p><b>SOC&amp; 201</b> <i>Social Problems: Diversity</i></p> <p><b>SOC 205</b> <i>Sociology of Race and Ethnicity: Diversity</i></p> <p><b>SOC 225</b> <i>Sociology of the Family: Diversity</i></p> <p><b>SOC 235</b> <i>Sociology of Gender: Diversity</i></p> <p><b>SOC 255</b> <i>Globalization: Diversity</i></p> <p><b>SOC 275</b> <i>Sociology of Sexuality: Diversity</i></p> <p><b>SOC 285</b> <i>Food and Society: Diversity</i></p>	
	<p><b>ENGL 090</b> (5cr) <i>Integrated Reading and Writing I</i></p> <p><b>ENGL 095</b> (5cr) <i>Integrated Reading and Writing II</i></p>	<p><b>ENGL 098</b> (5cr) <i>Transitional English Composition</i></p> <p><b>ENGL&amp; 101</b> (5cr) <i>English Composition I</i></p>	<p><i>Choose One: (5cr) (Humanities, recommended)</i></p> <p><b>ART 120</b> <i>Beginning Drawing</i></p> <p><b>CMST&amp; 230</b> <i>Small Group</i></p>	<p><i>Choose One: (5cr) (Social Science, recommended)</i></p> <p><b>ANTH&amp; 100</b> <i>Survey of Anthropology</i></p> <p><b>ANTH&amp; 104</b> <i>World Prehistory</i></p> <p><b>BUS&amp; 101</b></p>	<p><b>PHYS&amp; 221</b> (5cr) <i>Engineering Physics I w/Lab</i></p> <p><i>NOTE – PHYS&amp; 221/222/223 sequence starts in fall and winter</i></p>	<p><b>PHYS&amp; 222</b> (5cr) <i>Engineering Physics II w/Lab</i></p>	<p><b>PHYS&amp; 223</b> (5cr) <i>Engineering Physics III w/Lab</i></p>	

			<p>Communication: Diversity  <b>ENGL&amp; 111</b>  <i>Introduction to Literature</i>  <b>ENGL&amp; 244</b>  <i>American Literature I</i>  <b>FRCH&amp; 121</b>  <i>French I</i>  <b>PHIL 103</b>  <i>Science, Technology, and Human Values</i>  <b>PHIL&amp; 120</b>  <i>Symbolic Logic</i>  <b>SPAN&amp; 121</b>  <i>Spanish I</i></p>	<p><i>Introduction to Business</i>  <b>ECON&amp; 201</b>  <i>Micro Economics</i>  <b>ECON&amp; 202</b>  <i>Macro Economics</i>  <b>HIST&amp; 126</b>  <i>World Civilization I</i>  <b>HIST&amp; 127</b>  <i>World Civilization II</i>  <b>HIST&amp; 128</b>  <i>World Civilization III</i>  <b>HIST&amp; 214</b>  <i>Pacific Northwest History: Diversity</i>  <b>POLS&amp; 202</b>  <i>American Government</i>  <b>POLS&amp; 203</b>  <i>International Relations</i>  <b>PSYC 203</b>  <i>Human Sexuality</i></p>				
	<p><b>CCS 101</b> (3cr)  <i>Pathways to Success</i></p>	<p><b>CHEM&amp; 139</b> (5cr)  <i>General Chemistry Prep</i></p>	<p><b>CHEM&amp; 161</b> (5cr)  <i>General Chemistry w/Lab I</i></p> <p><i>NOTE: CHEM&amp;161 is offered in fall and winter quarters.</i></p>	<p><i>Choose One: (1-6cr) (Recommended Electives)</i></p> <p><b>ASTR&amp; 100</b> (5cr)  <i>Survey of Astronomy</i>  <b>BIOL&amp; 211</b> (5cr)  <i>Majors Cellular</i>  <b>BIOL/CHEM/PHYS 214</b> (2cr)  <i>Undergraduate Research I</i>  <b>CHEM&amp; 162</b> (5cr)  <i>General Chemistry w/Lab II</i>  <b>CS 142</b> (5cr)  <i>Object-Oriented Programming I</i>  <b>MATH 214</b> (1-6cr)  <i>Undergraduate Research I</i>  <b>OCEA&amp; 101</b> (5cr)  <i>Introduction to Oceanography w/Lab</i></p>	<p><i>Choose One: (1-6cr) (Recommended Electives)</i></p> <p><b>ASTR&amp; 115</b> (5cr)  <i>Stars, Galaxies, and Cosmos</i>  <b>BIOL/CHEM/PHYS 215</b> (1cr)  <i>Undergraduate Research II</i>  <b>CHEM&amp; 163</b> (5cr)  <i>General Chemistry w/ Lab III</i>  <b>CS 143</b> (5cr)  <i>Object-Oriented Programming II</i>  <b>ENGR&amp; 214</b> (5cr)  <i>Statics</i>  <b>MATH 214</b> (1-6cr)  <i>Undergraduate Research I</i></p>	<p><i>Choose One: (1-6cr) (Recommended Electives)</i></p> <p><b>BIOL/CHEM/PHYS 216</b> (2cr)  <i>Undergraduate Research III</i>  <b>ENGR 203</b> (5cr)  <i>Mechanics of Materials Laboratory</i>  <b>ENGR 204</b> (2cr)  <i>Mechanics of Materials Dynamics</i>  <b>ENGR&amp; 215</b> (5cr)  <i>Linear Algebra</i>  <b>MATH 205</b> (5cr)  <i>Linear Algebra</i>  <b>MATH 214</b> (1-6cr)  <i>Undergraduate Research I</i></p>	<p><i>Choose One: (2-5cr) (Recommended Electives– if credits needed to meet AS2 requirements)</i></p> <p><b>BIOL&amp; 160</b>  <i>General Biology w/Lab</i>  <b>BIOL&amp; 175</b>  <i>Human Biology w/Lab</i>  <b>BOT 101</b>  <i>Introduction to Botany</i>  <b>ENVS&amp; 100</b>  <i>Survey of Environmental Science</i>  <b>MATH 238</b> (5cr)  <i>Differential Equations</i>  <b>MATH&amp; 254</b> (5cr)  <i>Calculus IV</i>  <b>NUTR&amp; 101</b>  <i>Nutrition</i>  <b>Any PE course</b></p>	

NOTE – 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.