

# SEATTLE CENTRAL COMMUNITY COLLEGE

## \*Associate of Science Transfer (AS-T) Degree Option #2 - As of Fall Qtr. 2009 (A902) (Atmospheric Sciences, Computer Science, Engineering and Physics)

### FOR PLANNING PURPOSES ONLY

\* *The AS - DTA Degree May Be A Preferable Option For Transfer To Most 4-year Schools.*

- ▶ Completion of 90 applicable credits, including transferred-in credits, with a minimum cumulative GPA of 2.0.
- ▶ At least 15 credits must be earned from Seattle Central Community College.
- ▶ Students should apply for the award/graduation **one** quarter prior to the anticipated graduation date.
- ▶ Students are responsible for checking specific transfer requirements for the intended 4-year institution.
- ▶ Completing an AS-T deg. does not guarantee admission to a university/major program, or all Gen Ed requirements are met.

<b>BASIC REQUIREMENTS: 25 Credits</b>			<b>PRE-MAJOR SCIENCES: **40 Credits Minimum</b>		
	CREDIT	NEED	<b>**Including a Physics Sequence with Labs</b>		
ENGL &101 ( <i>Composition</i> )			❖ <i>General Physics</i>		
ENGL &102 ( <i>Composition 2</i> ) <u>or</u> CMST ( <i>Communication/Speech</i> )			PHYS &121 <input type="checkbox"/> &122 <input type="checkbox"/> &123 <input type="checkbox"/> <u>or</u>		
MATH &151 ( <i>Calculus 1</i> )			❖ <i>Engineering Physics - Calculus</i>		
MATH &152 ( <i>Calculus 2</i> )			PHYS &221 <input type="checkbox"/> &222 <input type="checkbox"/> &223 <input type="checkbox"/>		
❖ MATH &153 ( <i>Calculus 3</i> ) <u>or</u> MATH 109 ( <i>Elem. Statistics</i> )			❖ <b>Recommended - Engineering Majors:</b>		
			CHEM &161 ( <i>General Chem. 1 w/ Lab</i> )		
			❖ <b>Recommended Course:</b>		
			CSC/ENGR 142 ( <i>Programming</i> )		
<b>GENERAL EDUCATION: 15 Credits</b>					
VLPA - 5cr	CREDIT	NEED			
VLPA <u>or</u> ICS					
ICS - 5cr					
<i>To include a minimum of 5 cr. each in ICS &amp; VLPA.</i>					
<b>ELECTIVES: ***Minimum 10 Credits</b> ( See back page for restrictions )					
	CREDIT	NEED			
<b>***May include additional credits to meet the 90 credit total.</b>			<b>CREDITS REMAINING:</b>	<b>CREDITS COMPLETED:</b>	

❖ **Students should consult with an Advisor or the Science Counselor for guidance in course selection.**

■ **SEE REVERSE SIDE FOR THE COURSE DISTRIBUTION LIST**

■ **TOTAL CREDITS NEEDED: 90**

# AS-T Degree Option #2 Course Distribution List

**BASIC REQUIREMENTS Cont.** *May be fulfilled by any of the following courses or an approved equivalent:*

**ENGL &102 or a Communication/Speech course: CMST &101, 115 - 205, &210, 215, &220, &230, 235 - 295**

<b><u>GENERAL EDUCATION ( VLPA )</u> minimum 5 cr. Visual, Literary, And Performing Arts ( Humanities )</b>		<b><u>GENERAL EDUCATION ( ICS )</u> minimum 5 cr. Individuals, Cultures, And Societies ( Social Sciences )</b>	
<p><b>American Sign Language: ASL</b> &amp;121, &amp;122, &amp;123, 210, &amp;221, &amp;222, &amp;223</p> <p><b>Art: ART</b> &amp;100, 101, 102, 103, 104, 105, 110, 111, 112, 113, 114, 115, 121, 122, 123, 163, 166, 170, 201, 202, 203, 205, 206, 207, 210, 211, 212, 213, 214, 215, 216, 217, 221, 222, 223, 251, 252, 253, 254, 255, 281, 282, 283, 285, 290, 291</p> <p><b>Chinese: CHIN</b> &amp;121, &amp;122, &amp;123, &amp;221, &amp;222, &amp;223</p> <p><b>Communication: CMST</b> &amp;101, &amp;102, 115, 145, 155, 175, 185, 195, 205, &amp;210, 215, &amp;220, &amp;230, 235, 245, 255, 265, 275, 285, 295</p> <p><b>Drama: DRMA</b> &amp;101, 103, 108, 109, 110, 112, 114, 116, 120, 121, 122, 123, 131, 182, 204, 205, 206, 221, 222, 223, 284, 285, 286</p> <p><b>English: ENGL</b> 104, 109, &amp;111, &amp;112, &amp;113, &amp;114, 117, 151, 152, 153, 201, 204, 205, 214, 218, 219, &amp;224, &amp;225, &amp;226, &amp;227, &amp;228, 231, 232, 233, 240, 241, &amp;244, &amp;245, &amp;246, 251, 252, 253, &amp;254, &amp;256, 257, 258, 259, 260, 263, 265, 266, 267, 270, 291, 292, 293</p> <p><b>German: GERM</b> &amp;121, &amp;122, &amp;123</p>	<p><b>French: FRCH</b> &amp;121, &amp;122, &amp;123, 204, 205, 206, 212, &amp;221, &amp;222, &amp;223, 231, 232, 233</p> <p><b>Humanities: HUM</b> 104, 105, 110, 115, &amp;116, &amp;117, &amp;118, 120, 125, 150, 160, 200, 210, 234, 261, 270</p> <p><b>Japanese: JAPN</b> &amp;121, &amp;122, &amp;123, &amp;221, &amp;222, &amp;223</p> <p><b>Journalism: JRN</b> 101, 102, 103</p> <p><b>Linguistics: LAN</b> 101, 110</p> <p><b>Literature: LIT</b> 236, 238</p> <p><b>Music: MUSC</b> 100, 106, 109, 110, 113, 116, 117, 119, 120, 125, 126, 127, 128, 130, 134 – 140, &amp;141, &amp;142, &amp;143, 144, 145, 146, 147, 148, 150, 151, 156, 157, 158, 160, 161, 163, 164, 165, 166, 171, 172, 173, 182, 185, 204, 205, 213, 221, 222, 223, &amp;231, &amp;232, &amp;233</p> <p><b>Russian: RUSS</b> &amp;121, &amp;122, &amp;123</p> <p><b>Spanish: SPAN</b> &amp;121, &amp;122, &amp;123, &amp;221, &amp;222, &amp;223, 236, 238</p> <p><b>Vietnamese: VIET</b> &amp;121- &amp;123</p>	<p><b>American Ethnic Studies: AME</b> 150, 151, 160, 201</p> <p><b>American Sign Language: ASL</b> 120, 125</p> <p><b>Anthropology: ANTH</b> &amp;100, &amp;106, 113, &amp;125, 130, 135, 201, &amp;206, &amp;210, 211, 212, 213, &amp;216, &amp;228, 275</p> <p><b>Economics: ECON</b> 100, 102, &amp;201, &amp;202, 240</p> <p><b>Environmental Science: ENV</b> 150, 160, 200, 202, 206, 208, 214, 294</p> <p><b>Geography : GEOG</b> &amp;100, &amp;200, 207, 230, 260</p> <p><b>History: HIST</b> 105, 106, 108, &amp;136, &amp;137, &amp;146, &amp;147, &amp;148, 120, &amp;126, &amp;127, &amp;128, 131, 138, 140, 145, 150, 191, 200, 208, 210, 211, 212, &amp;214, &amp;219, 221, 230, 241, 242, 251, 268, 269, 273</p>	<p><b>International Studies: ISP</b> 101, 105, 110, 120, 160, 170, 201, 205, 210, 220, 234, 251, 255, 260, 261, 270</p> <p><b>Philosophy : PHIL</b> &amp;101, 102, 110, 111, 118, 160, 215, 240, 245, 250, 255, 267</p> <p><b>Political Science: POLS</b> &amp;101, 111, 112, 170, &amp;200, &amp;202, &amp;203, 205, 206, 213, 220, 255</p> <p><b>Psychology: PSYC</b> &amp;100, 120, &amp;200, 207, 209, 210, 217, &amp;220, 230, 235, 245, 250, 255, 257, 294</p> <p><b>Social Science: SSC</b> 101, 103, 187</p> <p><b>Sociology: SOC</b> &amp;101, 102, 105, 106, 107, 120, 130, 150, 170, &amp;201, 220, 230, 245, 250, 265, 275, 280</p> <p><b>Social Welfare: SWF</b> 200</p> <p><b>Women Studies: WMN</b> 140, 200, 205, 213, 257</p>

## **PRE-MAJOR SCIENCES: Pre-Requisites & Program Specific Courses**

<p><b>Anthropology: ANTH</b> &amp;204, &amp;205, 275</p> <p><b>Astronomy: ASTR</b> &amp;100, 104, &amp;110, 201</p> <p><b>Biology: BIOL</b> &amp;100, 102, 106, 107, 109, 120, 125, 128, 130, &amp;160, 161, 195, 196, &amp;211, &amp;212, &amp;213, 228, 229, 239, &amp;241, &amp;242, &amp;260, 282, 285, 286, 287, 290</p> <p><b>Botany: BOT</b> 110, 112, 113</p>	<p><b>Chemistry: CHEM</b> 106, &amp;110, &amp;121, &amp;122, &amp;123, &amp;139, &amp;161, &amp;162, &amp;163, 191, 192, 211, &amp;241, &amp;242, &amp;243, &amp;251, &amp;252, 255</p> <p><b>Computer Science: CSC</b> 110, 111, 142, 143</p> <p><b>Engineering: ENGR</b> &amp;111, 140, 142, &amp;214, &amp;215, &amp;224, &amp;225, 240, 271</p> <p><b>Environmental Science: ENV</b> 150, 160, 170, 201, 202, 203, 204, 205, 206, 208, 216, 221</p>	<p><b>Geography: GEOG</b> 205</p> <p><b>Geology: GEOL</b> &amp;101, &amp;103, 104, 105, 106, 108, &amp;110, 111, &amp;115, 118, 202, 207, &amp;208</p> <p><b>Health: HEA</b> 125, 150, 160, 225, 228</p> <p><b>Mathematics: MATH</b> 102, 103, &amp;107, 109, 116, 120, &amp;131, &amp;132, 136, &amp;141, &amp;142, &amp;148, &amp;151, &amp;152, &amp;153, 220, 224, 238</p> <p><b>Meteorology: MEY</b> 100</p>	<p><b>Nutrition: NTR</b> 105, 150, 155</p> <p><b>Oceanography: OCEA</b> &amp;100, 101</p> <p><b>Philosophy: PHIL</b> &amp;106</p> <p><b>Physics: PHYS</b> &amp;100, 107, &amp;121, &amp;122, &amp;123, &amp;221, &amp;222, &amp;223</p> <p><b>Psychology: PSYC</b> 222</p> <p><b>Science: SCI</b> 100, 101, 104, 107, 110, 112 – 119, 121, 131</p> <p><b>Speech &amp; Hearing Science: SPS</b> 201</p>
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**ELECTIVES:** All COURSES numbered 100 and above, and any credits exceeding the minimum basic & distribution requirements, are used as either "Transferable" or "Restricted" FREE electives. Transferable courses numbered **198 - 299** and titled "Independent Reading & Study," "Seminar," "Special Problems or Topics" may also be used. Physical Education (**PEC 3 cr. max**). **PLEASE NOTE: a maximum 5 credits total of "Restricted" FREE electives** may be used in any combination of the following (up to the maximum in brackets for each category); Workforce Education (Professional-Technical) [5], Human Development Courses (HDC) [ 5 ], Library (LIB, INFO) [ 5 ], Cooperative Ed., Service Learning, Community & Volunteer Service, Travel Study, Work Experience, etc. (CWE, CMS, EDUC, SLN, etc.) total combined maximum of [5].

**Notice:** Students should choose courses according to the established bachelor's degree graduation requirements of their chosen 4-year school and make plans as early as possible in their transfer planning using the following guide:

- ◆ Check a current catalog or website of the chosen school to research Deadlines & General Admissions/Transfer requirements.
- ◆ Check the department website or with a program advisor about course work fulfilling admission pre-requisites for the Major.
- ◆ Check carefully before applying for transfer to be certain all requirements will be met to the satisfaction of the 4-year school.