

# Associate of Science/Oregon Transfer Degree in Computer Science (ASOT-CS)

Requirements	Amount	Courses which satisfy requirements
Complete a minimum of 90 credit hours. Computer Science-specific courses must be completed with a grade of C or better; all other courses must be completed with a grade of "C-" or better. These must include the following:		
<b>• Foundational Requirements</b>		
<b>Health/Wellness/Fitness</b> <i>One or more courses totaling three credits</i>	3 credits	Any <b>PE185</b> courses (one credit each), or any <b>HE</b> or <b>HPE</b> course (three credits each)
<b>Mathematics</b> <i>Most universities will expect additional math courses. Consult with an advisor to confirm you are taking the appropriate math courses.</i>	2 courses	<b>MTH251</b> and <b>MTH252</b>
<b>Oral Communication</b> <i>One course in the fundamentals of speech or communication</i>	1 course	<b>COMM100**</b> , <b>105**</b> , <b>111</b> , <b>112</b> , <b>115**</b> , <b>130</b> , <b>212</b> , <b>218</b> , <b>219**</b> , <b>227**</b> , <b>237**</b> , <b>260**</b> , <b>285</b>
<b>Writing:</b> <i>A minimum of eight credits of college-transfer writing courses</i>	8 credits	<b>WR121*</b> and either <b>WR122*</b> or <b>WR227*</b>
<b>• Discipline Studies</b> Courses used to meet these requirements must be at least three credits each		
<b>Arts and Letters</b> <i>Three courses chosen from two or more disciplines. (All foreign languages are considered one discipline. ASL is considered a foreign language.) The course used to meet the Oral Communication requirement above may not be used to fulfill this requirement.</i>	3 courses	<b>ART101**</b> , <b>115</b> , <b>116</b> , <b>117</b> , <b>120</b> , <b>131</b> , <b>154</b> , <b>155</b> , <b>201</b> , <b>204</b> , <b>205</b> , <b>206</b> , <b>207**</b> , <b>221</b> , <b>222</b> , <b>223</b> , <b>224</b> , <b>225</b> , <b>234</b> , <b>237</b> , <b>238</b> , <b>239</b> , <b>240</b> , <b>247</b> , <b>261</b> , <b>265</b> , <b>266</b> , <b>270</b> , <b>276</b> , <b>281</b> , <b>289**</b> , <b>291</b> ; <b>ASL211</b> , <b>212</b> , <b>213</b> ; <b>COMM100**</b> , <b>105**</b> , <b>111</b> , <b>112</b> , <b>115**</b> , <b>130</b> , <b>212</b> , <b>218</b> , <b>219**</b> , <b>227**</b> , <b>237**</b> , <b>260**</b> , <b>285</b> ; <b>ENG100</b> , <b>104</b> , <b>105</b> , <b>106</b> , <b>107**</b> , <b>108**</b> , <b>109**</b> , <b>201</b> , <b>202</b> , <b>204**</b> , <b>205**</b> , <b>206**</b> , <b>216</b> , <b>220**</b> , <b>250</b> , <b>253**</b> , <b>254**</b> , <b>260</b> , <b>261</b> , <b>269**</b> ; <b>FA255</b> , <b>256</b> , <b>257</b> ; <b>FR201</b> , <b>202</b> , <b>203</b> ; <b>HUM106</b> , <b>120**</b> , <b>220**</b> , <b>225**</b> ; <b>JNL224</b> , <b>225</b> , <b>227</b> , <b>228</b> ; <b>JPN120</b> , <b>201</b> , <b>202</b> , <b>203</b> ; <b>MUS111</b> , <b>112</b> , <b>113</b> , <b>161</b> , <b>201</b> , <b>202</b> , <b>203</b> ; <b>PHL201</b> , <b>203</b> , <b>205**</b> , <b>206**</b> ; <b>REL160**</b> , <b>201</b> , <b>202</b> , <b>203**</b> ; <b>RUS201</b> , <b>202</b> , <b>203</b> ; <b>SPN201</b> , <b>202</b> , <b>203</b> , <b>214</b> , <b>215</b> , <b>216</b> , <b>250</b> , <b>251</b> ; <b>WR240</b> , <b>241</b> , <b>242</b> , <b>243</b> , <b>244</b> , <b>250</b> , <b>262</b>
<b>Sciences/Math/Computer Science</b> <i>Four courses from at least two disciplines including at least three laboratory courses in biological and/or physical science. (One of the required computer science and math courses may be used to satisfy the fourth course.)</i>	4 courses	<b>Choose three courses from:</b> <b>BI101</b> , <b>102</b> , <b>103</b> , <b>131</b> , <b>132</b> , <b>133</b> , <b>143</b> , <b>153</b> , <b>211</b> , <b>212</b> , <b>213</b> , <b>230</b> , <b>231</b> , <b>232</b> , <b>233</b> , <b>234</b> ; <b>CH104</b> , <b>105</b> , <b>106</b> , <b>110</b> , <b>114</b> , <b>115</b> , <b>116</b> , <b>117</b> , <b>121</b> , <b>122</b> , <b>123</b> , <b>201</b> , <b>202</b> , <b>221</b> , <b>222</b> , <b>223</b> ; <b>GEO142</b> , <b>143</b> , <b>144</b> , <b>201</b> , <b>202</b> , <b>203</b> ; <b>GS104</b> , <b>105</b> , <b>106</b> , <b>107</b> , <b>141</b> , <b>142</b> , <b>143</b> ; <b>PH201</b> , <b>202</b> , <b>203</b> , <b>207</b> , <b>208</b> , <b>209</b> , <b>211</b> , <b>212</b> , <b>213</b> <b>Choose one Computer Science or Math course from:</b> <b>CIS233J</b> , <b>234J</b> ; <b>CS160</b> , <b>161</b> , <b>162</b> , <b>260</b> , <b>271</b> ; <b>MTH105</b> (or higher, except <b>MTH251</b> and <b>MTH252</b> )
<b>Social Sciences</b> <i>Four courses chosen from at least two disciplines</i>	4 courses	<b>ATH101**</b> , <b>102**</b> , <b>103**</b> , <b>212</b> , <b>214</b> , <b>215</b> , <b>231</b> ; <b>CLA201</b> , <b>202</b> , <b>203</b> ; <b>EC200</b> , <b>201</b> , <b>202</b> ; <b>GEG105</b> , <b>106**</b> , <b>107**</b> , <b>140</b> , <b>190</b> , <b>201</b> , <b>202</b> , <b>206</b> , <b>207</b> , <b>220</b> ; <b>HST104</b> , <b>105</b> , <b>106</b> , <b>157</b> , <b>158</b> , <b>201**</b> , <b>202**</b> , <b>203**</b> , <b>228</b> , <b>237</b> , <b>257**</b> , <b>258**</b> , <b>262**</b> , <b>269**</b> ; <b>PS201</b> , <b>202</b> , <b>203</b> , <b>205</b> ; <b>PSY101</b> , <b>201</b> , <b>202**</b> , <b>213</b> , <b>218**</b> , <b>234**</b> , <b>237</b> , <b>239</b> , <b>280**</b> ; <b>SOC204**</b> , <b>205**</b> , <b>206**</b> , <b>210**</b> , <b>213**</b> , <b>221</b> , <b>223**</b> , <b>224**</b> , <b>232**</b> ; <b>WS101**</b> , <b>102**</b>
<b>• Computer Science-Specific Requirements</b> Each course in this section must be completed with a grade of C or better		
<i>Most universities will expect additional computer science courses. Consult with an advisor to confirm you are taking the appropriate courses.</i>	4 courses	<b>CS160</b> , <b>CS161</b> , <b>CS162</b> , and <b>CS260</b>
<b>• Electives and/or University-Specific Prerequisites</b> <i>Electives should be taken to meet the requirements of the transfer institution. Contact computer science faculty or Advising and Counseling staff for university-specific details.</i>	As required to bring total credits to 90	Depends on choice of transfer institution. You are strongly encouraged to work with an advisor when choosing courses. A maximum of 12 credit hours in Career and Technical Education courses numbered 050 or higher may be included with the exception of the following: <b>BT104</b> , <b>105</b> ; <b>MTH052</b> through <b>095</b> ; <b>RD080</b> , <b>085</b> , <b>090</b> ; <b>SSP050A</b> , <b>B</b> , <b>C</b> , <b>051</b> ; <b>WR080</b> , <b>088</b> , <b>089</b> , <b>090</b> , <b>091</b>

## Notes:

- For transfer students graduating from high school in 1997 and thereafter, the Oregon University System has a second language admission requirement: two terms of a college-level second language with an average grade of "C-" or above, OR two years of the same high school-level second language with an average grade of "C-" or above, OR satisfactory performance on an approved second language assessment of proficiency. American Sign Language meets this second language admission requirement.
  - Any student having the ASOT-Computer Science degree recognized on an official college transcript will have met the lower division General Education requirements of baccalaureate degree programs at any institution in the Oregon University System.
  - Students transferring under this agreement will have junior status for registration purposes. Course, class standing, or GPA requirements for specific majors, departments, or schools are not necessarily satisfied by an ASOT-Computer Science degree.
  - Electives should be taken to meet the requirements of your transfer institution. See your advisor for assistance.
  - Complete a minimum of 24 credits at Chemeketa.
- \* These courses fulfill the Information Literacy requirement of the ASOT-Computer Science. A minimum of one course fulfills this requirement.  
 \*\* These courses fulfill the Cultural Literacy requirement of the ASOT-Computer Science. A minimum of one course fulfills this requirement.

# ASOT-CS Advising Guide

Note: Below are program specific, lower division requirements and program notes. These are not ASOT-CS graduation requirements; these are additional courses that individual four-years schools will expect you to have taken. Numbers shown are Chemeketa course numbers unless otherwise noted. Universities may change their requirements at any time – make sure to research the current requirements of your transfer target.

**Current version may be found at: <http://faculty.chemeketa.edu/ascholer/CSAdvising/ASOTCS.pdf>**

Additional Lower Division Requirements	Program Notes
<b>Eastern Oregon University - BS Computer Science</b>	
MTH231 recommended	
<b>Oregon State University - BS Computer Science</b>	
<p><i>All CS applicants:</i></p> <ul style="list-style-type: none"> <li>• Writing: Take either:               <ul style="list-style-type: none"> <li>○ WR 121 and 122 for ASOT-CS. Optionally add 227 to finish OSU writing requirements.</li> <li>○ WR 121, 227 and 214 to satisfy all writing requirements.</li> </ul> </li> <li>• Take COMM111 as your communications class</li> <li>• CIS295 - Satisfies required CS290 at OSU</li> <li>• MTH231 and 232 (to satisfy 231 at OSU)</li> </ul> <p><i>Applied CS Option extra requirements:</i></p> <ul style="list-style-type: none"> <li>• CS271</li> </ul> <p><i>Systems Option extra requirements:</i></p> <ul style="list-style-type: none"> <li>• MTH254 and 253 (Satisfies 306 at OSU)</li> <li>• PH211 &amp; Lab (required), 212 and 213 with labs (encouraged)</li> <li>• ECE271/2 - Offered at OSU and Linn-Benton CC</li> <li>• EGR214 can transfer as ST214 which is required for your degree</li> </ul>	<p>To become a CS major at OSU you must be admitted to ProSchool in addition to being admitted to the university. ProSchool admissions is GPA based (cutoff changes annually - expect about a 3.0 GPA). This GPA is calculated using just required pre-professional classes (mostly CS, math, as well as WR121 and COMM111). All pre-professional requirements must be completed before applying for the major.</p>
<b>Oregon Tech - BS Software Engineering Technology</b>	
<p><i>Required:</i></p> <ul style="list-style-type: none"> <li>• Take COMM111 as your communications class</li> <li>• Take PH211, 212 and 213 with labs as your science</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• Take both WR122 and WR227 - you need the credits eventually</li> <li>• CIS140U can satisfy CST240</li> <li>• CS271 transfers in as CST250, but ONLY at the Wilsonville campus for Software Engineering majors (not Embedded) MTH254PSY201</li> </ul>	<p>Oregon Tech bound students are <b>highly</b> recommended to look into dual enrolling at the Wilsonville campus. Oregon Tech's degree program is designed with many of the technical courses in the first two years and many of the general education courses in the last two years. If transferring in with the ASOT-CS you will have many of the general education courses done but will have to take technical classes usually done in the first two years. If you dual enroll, you can complete some of these technical classes on schedule and worry about completing your gen-ed in years three &amp; four.</p>
<b>Portland State University - BS Computer Science</b>	
<p><i>Required:</i></p> <ul style="list-style-type: none"> <li>• Take COMM111 as your communications class</li> <li>• CS201 - can be satisfied by CS271 at Chemeketa if you have also taken the entire CS sequence (160/161/162/260) here. Otherwise take through PCC/PSU.</li> <li>• CS202 - must be taken through PCC/PSU.</li> <li>• MTH231 and 232 (CS250, 251 at PSU) required</li> <li>• Science courses must consist of an approved sequence of lab science courses. Choices are: PH211/212/213, CH221/222/223, or BI211/212/253 (PSU BI251/252/253), each with appropriate labs.</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• MTH253</li> <li>• CIS140U (To become familiar with Linux)</li> <li>• WR227</li> </ul>	<p>To become a CS major at PSU you must be admitted to the CS program in addition to being admitted to the university. Admission to the program requires completion of core lower division courses; a 2.0 all-attempts GPA in CS classes; passing an in person programming proficiency exam.</p> <p>The programming proficiency exam is taken on a machine using the Linux command line. You need to be able to edit, build and run programs from the command line.</p> <p>You must take CS202 at PSU or PCC after CS260. To apply for Fall admission to CS major, CS202 will need to be taken Spring term before you transfer.</p>

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<b>Southern Oregon University - BS Computer Science</b>	
	Must have grade of B or higher in CS161/CS162 (SOU CS256/CS257)
<b>University of Oregon - BS Computer Information Science</b>	
<p><i>Required:</i></p> <ul style="list-style-type: none"> <li>• MTH231 and 232</li> <li>• Take WR121/122 as your writing courses</li> <li>• To earn CS degree, you must have an approved sequence of three related science courses. Choices include: PH201/202/203; PH 211/212/213; CH 221/222/223; BI 211/212 and either CH 110 or 221; GEO201/202/203; PSY 201 or 211, 202 or 215, and a 300 level PSY from UofO.</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• MTH253 recommended</li> </ul>	<p>CS courses and Math 231/232 must be completed with a B or higher grade to move on. When transferring CS courses, only A's and B's will for sure transfer - you can appeal to try to count up to one C graded course.</p> <p>Highly recommended to have experience in Java as well as C++. CIS133J, 233J or 234J recommended.</p>
<b>Western Oregon University</b>	
<p>You can take either Math 231/232 or 112/251/252. The standard path at WOU is Math 231/232, but they will accept 112/251/252 as a replacement for it. Taking both sequences will set you up to get a Math minor.</p> <p><i>Required:</i></p> <ul style="list-style-type: none"> <li>• Take COMM111 as your communications class</li> </ul> <p><i>Recommended:</i></p> <ul style="list-style-type: none"> <li>• CS271 - required for WOU degree</li> </ul>	<p>BS Computer Science</p> <p>If you chose to take Math 231/232 (and not 112/251/252), you will not be able to earn the ASOT-CS degree - instead you will earn an AAOT at Chemeketa. However, as long as you complete the CS courses indicated on the ASOT-CS degree, there will be no difference between transferring with an AAOT or transferring with an ASOT-CS.</p>