

## 2016 – 2017 Program Map – BS Computer Science Starting with Math 1111

YEAR 1			
TERM 1		TERM 2	
Course	Credits	Course	Credits
ENGL 1101	3	ENGL 1102	3
MATH 1111	3	MATH 1113	4
POLS 1101	3	HIST 1111 or 1112	3
Area E.4	3	Area B.1	3
Area B.2	2	Area C.1	3
Semester Total	14	SEMESTER TOTAL	16
Milestones		Milestones	
<ul style="list-style-type: none"> <li>• Complete ENGL 1101 C or better</li> <li>• Complete Math 1111 C or better</li> </ul>		<ul style="list-style-type: none"> <li>• Complete ENGL 1102 C or better</li> <li>• Complete Math 1113 C or better</li> </ul>	
YEAR 2			
TERM 1		TERM 2	
Course	Credits	Course	Credits
CS 1301	4	CS 1302	3
MATH 1634	4	MATH 2644	4
ENGL 3405	3	Area C. 2	3
AREA D.1 Science with Lab	4	Area D.1 Science with Lab	4
SEMESTER TOTAL	15	SEMESTER TOTAL	14
Milestones		Milestones	
<ul style="list-style-type: none"> <li>• Complete CS 1301 B or better</li> <li>• Complete Math 1634 C or better</li> <li>• One of the following lab science sequences must be taken for Core Area D.1:                             <ul style="list-style-type: none"> <li>○ BIOL 1107+1107L and BIOL 1108+1108L Principles of Biology I &amp; II</li> <li>○ CHEM 1211+1211L and CHEM 1212+1212L Principles of Chemistry I &amp; II</li> <li>○ PHYS 2211+2211L and PHYS 2212+2212L Principles of Physics I &amp; II</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>• Complete CS 1302 B or better</li> <li>• One of the following lab science sequences must be taken for Core Area D.1:                             <ul style="list-style-type: none"> <li>○ BIOL 1107+1107L and BIOL 1108+1108L Principles of Biology I &amp; II</li> <li>○ CHEM 1211+1211L and CHEM 1212+1212L Principles of Chemistry I &amp; II</li> <li>○ PHYS 2211+2211L and PHYS 2212+2212L Principles of Physics I &amp; II</li> </ul> </li> </ul>	
YEAR 3			
TERM 1		TERM 2	
Course	Credits	Course	Credits
CS 2100	3	CS 3202	3
CS 3201	3	CS 3212	3
CS 3211	3	CS 3151	3
CS 3270	3	MATH 2063	3

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HIST 2111 OR 2112	3
SEMESTER TOTAL	15
<b>Milestones</b>	

CS Elective	3
SEMESTER TOTAL	15
<b>Milestones</b>	

**YEAR 4**

<b>TERM 1</b>	
<b>Course</b>	<b>Credits</b>
CS 3110	3
CS 3230	3
CS 3152	3
CS Elective	3
Lab Science Elective	4
SEMESTER TOTAL	16
<b>Milestones</b>	
<ul style="list-style-type: none"> <li>The "Lab Science Elective" must be the first semester of one of the above sequences NOT taken in Area D.1. So, if you took BIOL 1107+1107L and 1108+1108L, then you would need to take either CHEM 1211+1211L or PHYS 2211+2211L as your lab science elective.</li> </ul>	

<b>TERM 2</b>	
<b>Course</b>	<b>Credits</b>
CS 3280	3
CS 4982	3
CS 4225	3
CS Elective	3
Math Elective	3
SEMESTER TOTAL	15
<b>Milestones</b>	
<ul style="list-style-type: none"> <li>The "MATH elective" must be chosen from one of the following: <ul style="list-style-type: none"> <li>MATH 2853 - Elementary Linear Algebra</li> <li>MATH 3303 - Ordinary Differential Equations</li> <li>MATH 4003 - Dynamic Systems</li> <li>MATH 4103 - Operations Research</li> <li>MATH 4153 - Applied Mathematic Modeling</li> </ul> </li> </ul>	

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