

# Computer Science Degree Checklist

Student Name: \_\_\_\_\_ ID #: \_\_\_\_\_

Mathematics					
Course	Title	√/O	Term	Grade	Credits
CS-211	Discrete Mathematics				4
MATH-101	Calculus I				4
MATH-102	Calculus II				4
MATH-203	Multivariate Calculus				4
MATH-408	Probability and Statistics				4
Elective					4
<b>Total Mathematics Credits (24):</b>					

Basic Science					
Course	Title	√/O	Term	Grade	Credits
CHEM-137	General Chemistry I				3
CHEM-138	General Chemistry I Lab				1
PHYS-114	Newtonian Mechanics				3
PHYS-115	Newtonian Mechanics Lab				1
PHYS-224	Electricity and Magnetism				3
PHYS-225	Electricity and Magnetism Lab				1
Elective					4
<b>Total Basic Science Credits (16):</b>					

General Education					
Course	Title	√/O	Term	Grade	Credits
COMM-101	Written and Oral Communication I				4
HUMN-201	Introduction to Humanities				4
SSCI-201	Introduction to Social Science				4
ECON-201	Economic Principles				4
COMM-301	Written and Oral Communication II				4
Adv. Humn.					4
Adv. Soc.					4
LS-489	Senior Seminar				4
Elective					4
Elective					4
<b>Total General Education Credits (40):</b>					

<b>Computer Engineering</b>					
<b>Course</b>	<b>Title</b>	<b>√/0</b>	<b>Term</b>	<b>Grade</b>	<b>Credits</b>
CE-210	Digital Systems I				4
CE-320	Microcomputers I				4
CE-422	Computer Architecture				4
CE-480	Computer Networks				4
<b>Total Computer Engineering Credits (16):</b>					

<b>Computer Science</b>					
<b>Course</b>	<b>Title</b>	<b>√/0</b>	<b>Term</b>	<b>Grade</b>	<b>Credits</b>
CS-101	Computing and Algorithms I				4
CS-102	Computing and Algorithms II				4
CS-202	Systems Programming Concepts				4
CS-203	Computing and Algorithms III				4
CS-312	Theory of Computation				4
CS-431	Compiler Design and Construction I				4
CS-451	Operating Systems I				4
CS-461	Database Systems I				4
CS-471	Software Engineering				4
Elective					4
Elective					4
Elective					4
<b>Total Computer Science Credits (48):</b>					

<b>Free Electives</b>					
<b>Course</b>	<b>Title</b>	<b>√/0</b>	<b>Term</b>	<b>Grade</b>	<b>Credits</b>
					4
					4
					4
<b>Total Free Electives Credits (12):</b>					

<b>Thesis</b>	
<b>Advisor:</b>	<b>Credits: 4</b>

Notes: