



## Computer Science Transfer – Secure Software Development (SSD) Associate in Science

### START here

1

SEMESTER 1 – FALL	CREDITS	MILESTONE	COMPLETED
CSC 151 – Programming I	4		<input type="checkbox"/>
CSC 156 – Operating Systems Basics and Security	3		<input type="checkbox"/>
ENG 101 – English Composition I	3		<input type="checkbox"/>
Social Science elective – Recommended: ECO 140 – Macroeconomics	3		<input type="checkbox"/>
Humanities Elective – Recommended: ETH 101 – Ethics and Society	3		<input type="checkbox"/>

TOTAL CREDITS 16

2

SEMESTER 2 – SPRING	CREDITS	MILESTONE	COMPLETED
CSC 188 – Introduction to Computer Security	3		<input type="checkbox"/>
CSC 252 – Programming II	4		<input type="checkbox"/>
ENG 102 – English Composition II	3		<input type="checkbox"/>
Behavioral Science Elective – Recommended: SOC 101 – Introduction to Sociology –or– PSY 101 – Introduction to Psychology	3		<input type="checkbox"/>

TOTAL CREDITS 13

3

SEMESTER 3 – FALL	CREDITS	MILESTONE	COMPLETED
MAT 290 – Calculus I for Engineering and Science	4		<input type="checkbox"/>
CSC 202 – Computer Organization and Assembly Language	4		<input type="checkbox"/>
CSC 255 – Programming III	4		<input type="checkbox"/>
CSC 289 – Secure Programming	3		<input type="checkbox"/>
Lab science elective: BIO 131 –or– CHE 151 –or– PHY 171	4		<input type="checkbox"/>

TOTAL CREDITS 19

4

SEMESTER 4 – SPRING	CREDITS	MILESTONE	COMPLETED
MAT 291 – Calculus II for Engineering and Science	4		<input type="checkbox"/>
CSC 258 – Data Structures	4		<input type="checkbox"/>
CSC 290 – Information Assurance	3		<input type="checkbox"/>
Lab science elective: BIO 132 –or– CHE 152 –or– PHY 172	4		<input type="checkbox"/>

TOTAL CREDITS 15

### You've FINISHED!



#### Milestone Courses

should be taken in the order shown. This will help you stay on track and graduate on time.



**Make Your Summer Matter.** Summer is a great time to take some elective courses and get ahead.

### Helpful Hints

- If the student has no previous programming experience, the student must take CSC 101 – Intro to Computer Science before CSC 151.
- If the student has placed into precalculus, the student should take either MAT 196 – Accelerated Precalculus and Trigonometry in semester 1 or MAT 195 – Precalculus in semester 1 and MAT 165 – Trigonometry in semester 2.
- Lab Science courses must be one of these sequences: PHY 171 and PHY 172 or CHE 151 and CHE 152 or BIO 131 and BIO 132.
- CSC 257 is primarily offered only in the spring semester..

### Career and Transfer Outlook

The U.S. Department of Labor projects computer/software programmers' employment to grow by 12% from 2010 to 2020. Graduates will be prepared to transfer to a four-year program. Upon completion of a bachelor's degree, students in secure software development qualify for positions such as incident response analyst, cyber intelligence analyst, software engineer, programmer, systems analyst, computer engineer, and quality assurance engineer.

To learn more, call us at 1-800-818-3434 or visit [www.middlesex.mass.edu](http://www.middlesex.mass.edu)