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

START here

1

SEMESTER 1 – *FALL*	CREDITS	MILESTONE	COMPLETED
CSC 151 – Programming I	4	🎓	☐
CSC 156 – Operating Systems Basics and Security	3	🎓	☐
ENG 101 – English Composition I	3		☐
Social Science elective – Recommended: ECO 140 – Macroeconomics	3		☐
Humanities Elective – Recommended: ETH 101 – Ethics and Society	3		☐
TOTAL CREDITS	**16**		

2

SEMESTER 2 – *SPRING*	CREDITS	MILESTONE	COMPLETED
CSC 188 – Introduction to Computer Security	3	🎓	☐
CSC 252 – Programming II	4		☐
ENG 102 – English Composition II: Introduction to Literature	3		☐
Behavioral Science Elective – Recommended: SOC 101 – Introduction to Sociology –or– PSY 101 – Introduction to Psychology	3		☐
TOTAL CREDITS	**13**		

3

SEMESTER 3 – *FALL*	CREDITS	MILESTONE	COMPLETED
MAT 290 – Calculus I for Engineering and Science	4		☐
CSC 201 – Computer Organization/Assembly Language	3	🎓	☐
CSC 253 – Programming III	3	🎓	☐
CSC 289 – Secure Programming	3		☐
Lab science elective: BIO 131 –or– CHE 151 –or– PHY 171	4		☐
TOTAL CREDITS	**17**		

4

SEMESTER 4 – *SPRING*	CREDITS	MILESTONE	COMPLETED
MAT 291 – Calculus II for Engineering and Science	4		☐
CSC 257 – Data Structures	3	🎓	☐
CSC 290 – Information Assurance	3	🎓	☐
Lab science elective: BIO 132 –or– CHE 152 –or– PHY 172	4		☐
TOTAL CREDITS	**14**		

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**