

**Mathematics Concentration****Associate in Science****START here****1**

SEMESTER 1 – FALL	CREDITS	MILESTONE	COMPLETED
ENG 101 – English Composition I	3		<input type="checkbox"/>
MAT 290 – Calculus I	4		<input type="checkbox"/>
BIO 131 – General Biology I –or– CHE 131 – College Chemistry I –or– CHE 151 – General Chemistry for Engineering and Science I *	4		<input type="checkbox"/>
Humanities Elective	3		<input type="checkbox"/>
IDS 101 – First-Year Experience	1		<input type="checkbox"/>
TOTAL CREDITS	15		

2

SEMESTER 2 – SPRING	CREDITS	MILESTONE	COMPLETED
ENG 102 – English Composition II	3		<input type="checkbox"/>
MAT 291 – Calculus II	4		<input type="checkbox"/>
MAT 250 – Discrete Math	3		<input type="checkbox"/>
BIO 132 – General Biology II –or– CHE 132 – College Chemistry II –or– CHE 152 – General Chemistry for Engineering and Science II **	4		<input type="checkbox"/>
TOTAL CREDITS	14		

3

SEMESTER 3 – FALL	CREDITS	MILESTONE	COMPLETED
MAT 292 – Calculus III	4		<input type="checkbox"/>
MAT 295 – Linear Algebra I	3		<input type="checkbox"/>
PHY 171 – Physics for Engineering and Science I **	4		<input type="checkbox"/>
Behavioral Science Elective	3		<input type="checkbox"/>
CSC 151 – Programming I	3		<input type="checkbox"/>
TOTAL CREDITS	17		

4

SEMESTER 4 – SPRING	CREDITS	MILESTONE	COMPLETED
MAT 298 – Differential Equations	3		<input type="checkbox"/>
MAT 296 – Linear Algebra II	3		<input type="checkbox"/>
PHY 172 – Physics for Engineering and Science II**	4		<input type="checkbox"/>
Humanities Elective	3		<input type="checkbox"/>
Social Science Elective	3		<input type="checkbox"/>
TOTAL CREDITS	16		

**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

Lab Science courses must be one of these sequences:

- BIO 131 – General Biology I and BIO 132 – General Biology II –or–
- CHE 131 – College Chemistry I and CHE 132 – College Chemistry II –or–
- CHE 151 – General Chemistry for Engineering and Science I and CHE 152 – General Chemistry for Engineering and Science II –or–
- PHY 171 – Physics for Engineering and Science I and PHY 172 – Physics for Engineering and Science II

* Students transferring to UMASS Lowell for BS should take CHE 151 and CHE 152; transferring for a BA may take CHE 131 and CHE 132.

** Students can take Physics during their first year and other lab science sequence their second year.

You've FINISHED!

To learn more, call us at **1-800-818-3434** or visit **www.middlesex.mass.edu**