

## 2017-18 Catalog | CMSC Majors

### General Education (38 credits)

- |  |  |   |   |  |
|--|--|---|---|--|
| <input type="checkbox"/> Goal 1: <b>LSEM 100</b><br>Longwood Seminar     | <input type="checkbox"/> Goal 4: Arts<br>_____                               | <input type="checkbox"/> Goal 8: Soc. Science<br>_____  | <input type="checkbox"/> Goal 11: <b>PHED 101</b><br>Fitness Concepts   | Goal 14:<br><input type="checkbox"/> Internship/Research<br><b>CMSC 490, 492, or 498</b> |
| <input type="checkbox"/> Goal 2: <b>ENGL 150</b><br>Writing and Research | <input type="checkbox"/> Goal 6: Science<br>_____                            | <input type="checkbox"/> Goal 9: Diversity<br>_____     | <input type="checkbox"/> Goal 12: <b>MATH 350</b><br>Math/CS Ethics     |  |
| <input type="checkbox"/> Goal 3: Literature<br>_____                     | <input type="checkbox"/> Goal 7: <b>HIST 100/110</b><br>Western Civilization | <input type="checkbox"/> Goal 10: Language 201<br>_____ | <input type="checkbox"/> Goal 13: <b>ENGL 400</b><br>Active Citizenship |  |

### Additional Degree Requirements

B.S. Degree (7 credits)	B.A. Degree (6 credits)
<input type="checkbox"/> <b>MATH 171</b> (3 cr): Basic Stats <input type="checkbox"/> Second Lab Science (4 cr): _____	<input type="checkbox"/> Language 202+ (3 cr): _____ <input type="checkbox"/> Humanities (3 cr): _____

### Required for All CMSC Majors (35 credits)

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|--|---|--|---|
| <input type="checkbox"/> <b>CMSC 160</b> (4 cr):<br>Algorithmic Design 1 | <input type="checkbox"/> <b>MATH 261</b> (4 cr):<br>Calculus 1            | <input type="checkbox"/> <b>CMSC 242</b> (3 cr):<br>Network, Systems Prog. | <input type="checkbox"/> <b>CMSC 442</b> (3 cr):<br>Operating Systems |
| <input type="checkbox"/> <b>CMSC 162</b> (4 cr):<br>Algorithmic Design 2 | <input type="checkbox"/> <b>CMSC 201</b> (3 cr):<br>Computer Organization | <input type="checkbox"/> <b>CMSC 262</b> (3 cr):<br>Data Structures        | <input type="checkbox"/> <b>CMSC 461</b> (3 cr):<br>Senior Seminar    |
| <input type="checkbox"/> <b>MATH 175</b> (2 cr):<br>Discrete Math        | <input type="checkbox"/> <b>CMSC 208</b> (3 cr):<br>Grammars, Lang, Auto. | <input type="checkbox"/> <b>ENGL 319</b> (3 cr):<br>Technical Writing      |   |

### Other CMSC Requirements (12 credits)

Second Language	Electives
<input type="checkbox"/> <b>CMSC 210</b> (3 cr): Web Programming  <u>OR</u> <input type="checkbox"/> <b>CMSC 280</b> (3 cr): Programming in 2nd Lang.	<input type="checkbox"/> CMSC 200+ elective (3 cr): CMSC _____ <input type="checkbox"/> CMSC 300+ elective (3 cr): CMSC _____  <input type="checkbox"/> CMSC 300+ elective (3 cr): CMSC _____

### General Electives (28-29 credits)