This worksheet is designed to help you plan and track your progress toward your degrees. For full course descriptions, please refer to the current undergraduate Catalog.

### Courses taken at Harford Community College

Changes in recommended courses may affect other elements of the degree plan. Lower level equivalents of UMUC upper level courses fulfill content requirements but not upper-level minimum credit requirements.

<table>
<thead>
<tr>
<th>UMUC Equivalent Course</th>
<th>Course Details</th>
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<tbody>
<tr>
<td>WRTG 101 Writing GenEd</td>
<td>ENG 101 English Composition (3)</td>
</tr>
<tr>
<td>MATH 101, 109, 111, 203, or 207 (3-4) Math GenEd</td>
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</tr>
<tr>
<td>Biological/Physical Lab Science elective (4)</td>
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<tr>
<td>WRTG 293</td>
<td></td>
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<tr>
<td>PSY 101 or SOC 101 any GB except HIST (3) Recommended Behavioral/Social Science elective. If not completed in GH, Harford diversity requirement may be fulfilled here.</td>
<td></td>
</tr>
<tr>
<td>ART 201, ART 202, HIST 101, HIST 102, HIST 103, HIST 104, HIST 202, HIST 207, HIST 208 (3) Recommended General Education elective to meet UMUC historic requirement and meet Harford diversity requirement</td>
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<tr>
<td>IFSM 201</td>
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<td>CMIS 102</td>
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<td>CMIS 102</td>
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<td>CMST 306</td>
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<td>CMST 385</td>
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<td>CMST 416</td>
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</tbody>
</table>

### Required courses for UMUC major

- ACCT 101 Accounting Principles I (3)
- ACCT 102 Accounting Principles II (3)
- CIS 205 Visual Basic.Net Programming (4) Recommended elective. Supplemental major course
- CIS 115 Fundamentals of Programming (3) Second computing GenEd course and prerequisite for later courses
- CIS 136 Introduction to Internet Technologies (3) Recommended software elective
- CIS 104 or CIS 135 (3)
- CIS 203 Computer Systems and Procedures (3)
- CIS 207 Advanced Visual Basic.NET Programming (4) Recommended CIS choice. Supplemental major course
- CIS 273 Cooperative Education or CSI/CIS elective (3-4)
- CSI/CIS Programming Language Elective (3-4)
- CSI/CIS Elective (3-4)

Credits transferred: 62-66 credits
<table>
<thead>
<tr>
<th>SEQUENCE at UMUC</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses are listed in the order in which students should take them. Changes in courses and order may affect other elements of the degree plan.</td>
<td></td>
</tr>
</tbody>
</table>

### ADDITIONAL REQUIRED GENERAL EDUCATION COURSES FOR DEGREE (9 credits)

- **Speech/writing GenEd**
  - WRTG 390 (3) Or other communication, writing or speech GenEd course
- **Biological and physical sciences GenEd**
  - BIOL 301 or NSCI 362 (3) Or other 3-credit upper-level biological/physical science GenEd course
- **Second social and behavioral sciences GenEd**
  - ANTH 344 (3) Or other upper-level social and behavioral sciences GenEd course

### EMERGING ISSUES (1 credit)

- LIBS 150 (1) Required GenEd course

### ADDITIONAL REQUIRED COURSES FOR MAJOR AND DEGREE (21 credits)

- **CMST 295 (3)**
  - Required foundation course for the major
- **CMST 290 (3)**
  - Required foundation course for the major
- **WRTG 393 (3)**
  - Or other upper-level advanced writing GenEd course
- **CMST 386 (3)**
  - Second course in Web Technology core course sequence
- **CMIS 388 (3)**
  - Or other supplemental major course (any CMST, CMIS, CMIT, CMSC, CSIA, or IFSM)
- **CMST 460 (3)**
  - Or other supplemental major course
- **CMST 463 (3)**
  - Or other supplemental major course

### CAPSTONE COURSE FOR MAJOR (3 credits)

- **CMST 495 (3)**
  - Required capstone course for the major

### MINOR OR ELECTIVES (15 credits, at least 9 credits upper-level for minor)

See requirements of individual minor.

Recommended: business administration minor.

### ADDITIONAL ELECTIVES (5-9 credits)

Choose any courses to meet 120 credits for degree. Note minimum requirements for upper-level coursework.

Recommended: CMIS 111, IFSM 304, and WRTG 490

### TOTAL: 120 CREDITS

**CHECKLIST FOR FULFILLMENT OF DEGREE REQUIREMENTS**

- 30 credits at UMUC, including at least half of the major and minor and 15 upper level credits.
- 45 upper-level credits, including half the credit for the major and the minor.
- All required courses and minimum number of credits for major and minor.
- Prerequisites for major and minor courses, if needed.
- All General Education Requirements.
- Grade of C or better in all courses for the major and minor.
- Overall GPA of at least 2.0.
- At least half the credit for the major earned through graded coursework.
- Total 120 credits.

**NOTES:**