### WCC Major/Area Requirements

<table>
<thead>
<tr>
<th>WCC Major/Area Requirements</th>
<th>(49 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>* CIS 121 Linux/UNIX I: Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>CJT 208 Criminal Evidence and Procedure</td>
<td>3</td>
</tr>
<tr>
<td>CNT 201 Admin MS Windows XP Professional</td>
<td>3</td>
</tr>
<tr>
<td>CSS 180 Computer Security I</td>
<td>4</td>
</tr>
<tr>
<td>*CSS 200 Computer Security II</td>
<td>4</td>
</tr>
<tr>
<td>2 CSS 272 Computer Security VIII</td>
<td>2</td>
</tr>
<tr>
<td>2 CSS 270 Computer Security VII</td>
<td>4</td>
</tr>
<tr>
<td>CSS 275 Computer Security IX</td>
<td>4</td>
</tr>
<tr>
<td>CST 150 Computer Systems Technology 1</td>
<td>5</td>
</tr>
<tr>
<td>CST155 Computer Systems Technology 2</td>
<td>5</td>
</tr>
<tr>
<td>Complete one Option below:</td>
<td>12</td>
</tr>
<tr>
<td>[CIS 221 (4) AND CSS 205 (4) AND CSS 210 (4)] IA 000 General Transfer Credit (12)</td>
<td></td>
</tr>
<tr>
<td>2 CSS 210 Computer Security IV (4) OR [CSS 205 Computer Security III (4) AND CNT 211 (4)] IA 000 General Transfer Credit (12)</td>
<td></td>
</tr>
<tr>
<td>Complete one Option below:</td>
<td>12</td>
</tr>
<tr>
<td>[CIS 221 (4) AND CSS 205 (4) AND CNT 211 (4)] IA 000 General Transfer Credit (12)</td>
<td></td>
</tr>
<tr>
<td>WCC Graduation Requirement</td>
<td>(3 credits)</td>
</tr>
<tr>
<td>*CIS 100 Introduction to Computers</td>
<td>3</td>
</tr>
<tr>
<td>EMU Requirements (may be taken at WCC or EMU)</td>
<td>(11 credits)</td>
</tr>
<tr>
<td>* BMG 207 Business Communication</td>
<td>3</td>
</tr>
<tr>
<td>* CPS 161 Intro to Programming with Java</td>
<td>4</td>
</tr>
<tr>
<td>* CPS 261 Programming Data Structures in Java</td>
<td>4</td>
</tr>
<tr>
<td>Credits at WCC:</td>
<td>95-96</td>
</tr>
<tr>
<td>Credits that transfer to EMU:</td>
<td>95-96</td>
</tr>
</tbody>
</table>

*Required for EMU's Information Assurance program, all concentrations. If not transferred must be completed at EMU.
*Satisfies EMU's QR Requirement.
*Required for the EMU Applied Information Assurance Concentration.

Note: Courses that transfer as general transfer credit or university electives are not required for EMU's program.
Completion of the Information Assurance Program at EMU

Major Requirements (36-39 credits)

Foundation Courses: (6 credits)
IA 202 Risk and Vulnerability .............................................. 3
STS 300W Research & Writing: Tech Perspective ................. 3

Learning Beyond the Classroom (LBC): (0-3)
Every student must complete a Learning beyond the Classroom course or noncredit experience. Internships and co-ops will satisfy the requirement. See the program advisor for more options.

Concentration Requirements: (30-33 credits)
Complete one of the concentrations below:

Applied Information Assurance: (30 credits)
For this concentration, students should complete Windows/Unix Operating System Security Option at WCC or complete IA 344 and IA 412 at EMU.
IA 210 Concepts of Network & Business Technology ............ 3
COSC 374 Applied Cryptography ....................................... 3
IA 329 Policy Development in Info Sec                       3
IA 415 Intro to Research in Information Assurance ........... 3
IA 416 Applied Research Projects ................................ 3
IS 413 Information Tech Infrastructure & Security ............ 3
LEGL 413 The Law and the Internet .................................. 3
IA 412 Linux Security Admin .......................................... 3
IA 422 End-user Systems: Planning & Design ..................... 3
Complete one course: ..................................................... 3
   BMMT 496 Records Admin Using Databases (3)
   IS 380 Introduction to Databases (3)

OR

Information Assurance Encryption: (33 credits)
COSC 314 Computational Discrete Structures ..................... 3
IA 415 Intro to Research in Information Assurance ............. 3
IA 416 Applied Research Projects .................................. 3
IS 413 Information Tech Infrastructure & Security ............ 3
LEGL 413 Cyber Space Law ............................................. 3
MATH 120 Calculus I .................................................. 3
MATH 121 Calculus II .................................................. 3
MATH 205 Math Structures for Computer Science .............. 3
MATH 319 Mathematical Modeling ................................... 3
MATH 409 Cryptography ............................................... 3

Credits at EMU: .................................................. 36-39
*Credits to Graduate: ........................................... 131-135

* A minimum of 124 credits is required to graduate.
1 Satisfies EMU’s Learning beyond the Classroom requirement

OR

Information Assurance Management: (33 credits)
For this concentration, students should complete the Network Security Option at WCC or complete IA 210 at EMU.
IA 329 Policy Development in Info Sec                      3
IS 350 Enterprise Resource Planning                           3
IS 413 Information Tech Infrastructure & Security .......... 3
IS 425 Project Management .......................................... 3
LEGL 413 Cyber Space Law ............................................. 3
MGMT 386 Organizational Behavior and Theory .................. 3
MGMT 403 Managerial Communication: Theory & Appl .......... 3
MGMT 480 Management Responsibility and Ethics .............. 3
IA 422 End User Systems: Planning & Design ..................... 3

1 Internship in MGMT, IS, CS, or STS .............................. 6
Washtenaw Community College – AAS in Data Recovery & Analysis
Eastern Michigan University – Bachelor of Science in Information Assurance

Additional Information:

1. In completing the coordinated program of study, as indicated on the preceding guides, substitutions should be made with the guidance of the EMU and WCC Program Advisors to assure that program and graduation requirements will be satisfied at each institution. Each institution will be responsible for determining if their requirements are satisfied.

2. Students whose transcripts are endorsed as “MACRAO Satisfied” by the community college will be required to meet EMU’s three general education requirements, indicated on this guide, and listed below. These requirements may be completed at the most appropriate time for the student whether before or after admission to EMU.
   a) an approved course in Quantitative Reasoning: [MTH 160 at WCC]
   b) a course in Perspectives on a Diverse World: [Humanities: ART 143, 150; COM 225; DAN 180; ENG 181, 187, 213, 214, 224, 242, 281; HUM 145, 150, 170, 175; MUS 180; Natural Science: ENV 101; Social Science: ANT 201; ECO 280; GEO 101; HST 123, 150, 210, 230, 235, 240, 270; PLS 211; PSY 107; SOC 205 at WCC]
   c) a Learning beyond the Classroom (LBC) course or experience offered by EMU: [an internship or IA 416L at EMU]

   To use MACRAO, students should request a MACRAO evaluation of their transcript in the WCC Records Office. Students who do not satisfy MACRAO will have to complete EMU’s general education requirements as listed in the EMU undergraduate catalog.

3. Only courses with a grade of “C” or better (2.0 on a 4.0 scale) will be accepted for transfer to EMU.

4. Under this agreement, EMU will waive the 60-hour rule and require that a minimum of 30 credit hours must be completed in courses offered by EMU, 15 hours of which must be in program requirements at the 300-level or above. Although 33 to 39 hours at EMU are listed on the attached guides, it may be possible to complete just 30 credits at EMU, if additional courses are approved for transfer from a two-year or four-year college. Of the last 30 hours completed before graduation, a minimum of 10 hours must be in courses offered by EMU. A minimum of 124 credit hours, completed in-residence or accepted in transfer, is required for graduation.

5. Students must meet all admission requirements at the time of admission to EMU, including submitting transcripts from all previously attended colleges.

6. Students are encouraged to meet with the EMU Information Assurance Advisor early, before completing an admission application to EMU. A copy of the articulation guide should be included with the application to EMU and brought to all advising sessions. Copies of this agreement are available at www.emich.edu/ccr/artguide.php


If this agreement is not renewed at the end of the effective period, students will have an additional three years to be admitted to EMU under the terms of the agreement. Students who began the program prior to the effective period may use this agreement to the extent that courses completed are consistent with the agreement.

Contacts:

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