Transfer Credit Guide

This guide is subject to change and should be used in consultation with an academic advisor.

### General Notes
- A grade of C- or better is required for a course to transfer.
- A bachelor's degree requires a minimum of 124 semester hours of credit. CMU will accept community college transfer credits beyond the recommended 64 semester hours; however, students will need to complete a minimum of 60 semester hours from an accredited 4-year-degree granting institution. A minimum of 40 hours must be completed at the 300 level or above. A minimum of 30 semester hours of credit must be earned from CMU.
- The University Program Requirements and competencies may be fulfilled by students who satisfy the MACRAO Agreement or the MTA
- **Students are required to meet CMU Competency Requirements prior to reaching 56 credit hours. Competency requirements consist of:** two Written English (composition) courses, one Oral English (communication) course, and one Mathematics course be completed with a grade of "C" or above.

Any remaining required and elective courses for a bachelor's degree will be selected in consultation with an academic advisor to ensure that CMU degree requirements are being met.

### Central Michigan Writing Intensive & Quantitative Reasoning Requirements

**Effective Fall 2014.** CMU has implemented a Writing Intensive (12 semester hours) and Quantitative Reasoning requirement (3 semester hours). Please note that these requirements are for both transfer and incoming Freshman students.

Any Michigan community college student transferring to CMU with their transcript designated as “MACRAO Satisfied” or “MTA Satisfied” will be given six (6) semester hours of Writing Intensive course work. The remaining six (6) semester hours must be completed at CMU. The Quantitative Reasoning requirement may be satisfied through transfer credit.

### MACRAO TRANSFER AGREEMENT

This distribution of courses fulfills the MACRAO Transfer Agreement and will satisfy the University Program portion of the CMU bachelors’ degree for students who started following the MACRAO Transfer Agreement at their Michigan community college prior to Fall 2014. Please see your community college Registrar and request to have your transcript reviewed and designated as “MACRAO Satisfied”. Students may elect to follow the MTA.

<table>
<thead>
<tr>
<th>English Composition: 6 Semester Credits</th>
<th>Communication: 2 Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two Written Communication courses</td>
<td>One Written Communication course</td>
</tr>
<tr>
<td></td>
<td>One Written or Oral Communication course</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Science/Math: 8 Semester Credits</th>
<th>Natural Sciences: 2 Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Science course with a lab</td>
<td>Two natural science courses from two different disciplines. One course must be a lab science course.</td>
</tr>
<tr>
<td>Intermediate and/or College Algebra, and/or Geometry</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Humanities: 8 Semester Credits</th>
<th>Humanities and Fine Arts: 2 Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A minimum of 8 hours from at least two different disciplines</td>
<td>Two humanities courses from two different disciplines (excluding studio and performance classes)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Sciences: 8 Semester Credits</th>
<th>Social Sciences: 2 Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>A minimum of 8 hours from at least two different disciplines</td>
<td>Two social science courses from two different disciplines</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Minimum hours required to complete MACRAO Agreement: 30</th>
<th>Mathematics: 1 Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>An official transcript that is designated as being “MACRAO Satisfied” or “MTA Satisfied” will have satisfied the University Program portion of the General Education Requirements. A portion or all of the Competency Requirements may also be satisfied by an official transcript designating MACRAO Satisfied” or “MTA Satisfied”.</td>
<td>One entry-level college course as defined by the three pathways.</td>
</tr>
</tbody>
</table>

| Minimum hours required to meet MTA: 30 | |
|----------------------------------------| |

### MICHIGAN TRANSFER AGREEMENT (MTA)

The MTA replaces the MACRAO Agreement effective Fall 2014 and beyond.

This distribution of courses fulfills the MTA and will satisfy the University Program portion of the CMU bachelors’ degree at CMU for students who begin attending a Michigan community college beginning Fall 2014. Please see your community college Registrar and request to have your transcript reviewed and designated as “MTA Satisfied”. Only courses with a grade of "C" or better may be applied to the MTA requirements.

<table>
<thead>
<tr>
<th>Communication: 2 Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>One Written Communication course</td>
</tr>
<tr>
<td>One Written or Oral Communication course</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Natural Sciences: 2 Courses</th>
</tr>
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<tbody>
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<td>Two natural science courses from two different disciplines. One course must be a lab science course.</td>
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<tr>
<th>Mathematics: 1 Course</th>
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| Minimum hours required to meet MTA: 30 | |
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An official transcript that is designated as being “MACRAO Satisfied” or “MTA Satisfied” will have satisfied the University Program portion of the General Education Requirements. A portion or all of the Competency Requirements may also be satisfied by an official transcript designating MACRAO Satisfied” or “MTA Satisfied”.

### Additional Notes

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- **General Notes**
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- Any remaining required and elective courses for a bachelor’s degree will be selected in consultation with an academic advisor to ensure that CMU degree requirements are being met.

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**CENTRAL MICHIGAN UNIVERSITY**

Admissions: Warriner Hall 102 | Mount Pleasant, MI 48859 | 1-888.292.5366 Toll Free
cmuadmit@cmich.edu | http://admissions.cmich.edu

CMU is an AA/EQ institution, providing equal opportunity to all persons, including minorities, females, veterans and individuals with disabilities. [see cmich.edu/aaeo] UComm 9063
**Delta College**

**Associate of Science**

### GENERAL EDUCATION REQUIREMENTS (30 – 32)

**Composition/Writing (6)**
- *ENG 111 College Composition I (3)
- **ENG 112 College Composition II (3)**

**Group I Humanities: (8)**
- *COM 112 Fundamentals of Oral Communication (3)
- Select additional semester hours from the Delta Group I Social Sciences General Education requirements.
- **CMU competency course requires a grade of "C" or better to satisfy the requirement.**

**MACRAO requires at least 8 credits from two subjects**
**MTA requires two courses from two subjects**

### Group II Social Sciences: (8)

Select one of the following:
- POL 104 American Politics w/ Project (4)
- HIS 237 History of Michigan w/ Project (3)
- Select additional semester hours from the Delta Group II Social Sciences General Education requirements.
- **MACRAO requires at least 8 credits from two subjects**
**MTA requires two courses from two subjects**

### Group III Natural Sciences: (15-18)

Select one of the following options:
**Option A:** CHM 101 General Chemistry I (5)
**Option B:** CHM 111 General & Inorganic Chemistry I (4)

CHM 112 General & Inorganic Chemistry II (4)

PHY 211 Physics I (5)

PHY 212 Physics II (5)

**MACRAO requires at least 4 credits from one lab science course.**
**MTA requires two courses from two subjects. At least one must be a lab science course**

**Mathematics: (18)**
- *MTH 161 Anal. Geometry & Calculus I (4)
- *MTH 162 Anal. Geometry & Calculus II (4)
- *MTH 261 Anal. Geometry & Calculus III (4)
- **MTH 263 Introduction to Linear Algebra (3)**
- **MTH 264 Introduction to Ordinary Differential Equations (3)**

**Additional Required Courses (10)**
- CST 180 C++ Programming (4)
- CST 280 Advanced C++ Programming (4)

Select one of the following options:
- **Option 1.** LW 220 Lifelong Wellness (1)
  - LWA Activity Course (1)
- **Option 2.** Any 2 credit LW course (2)

**Total credits taken at Delta 63 - 68**

This guide is subject to change and should be used in conjunction with an academic advisor. It reflects successful completion of the MACRAO Agreement and the MTA.

*CMU competency course requires a grade of "C" or better to satisfy the requirement.
**Preferred course selection and a required graduation requirement.

**MTA applicable courses require a grade of "C" or better to satisfy the requirement**

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**Central Michigan University**

**Meteorology Major/Comp Sci & Math Minors Bachelor of Science (B.S.)**

**Required Courses (30 hours):**
- MET 240QR Meteorology (3)
- MET 310 Atmospheric Radiation and Thermodynamics (3)
- MET 312 Meteorological Radar and Satellites (3)
- MET 320 Cloud Physics (3)
- MET 330 Dynamic Meteorology I (3)
- MET 335 Dynamic Meteorology II (3)
- MET 340 Synoptic Meteorology I (3)
- MET 345 Synoptic Meteorology II (3)
- MET 450 Mesoscale Meteorology (3)
- MET 480 Numerical Weather Prediction (3)

**Additional Requirements I (31 hours):**
- MTH 132 Calculus I (4)
- MTH 133 Calculus II (4)
- MTH 223 Linear Algebra and Matrix Theory (3)
- MTH 233 Calculus III (4)
- MTH 334 Differential Equations (3)
- PHY 145QR University Physics Laboratory I (1)
- PHY 146 University Physics II (4)
- PHY 175 University Physics Laboratory I (1)
- PHY 176 University Physics Laboratory II (1)
- STA 382QR Elementary Statistical Analysis (3)

**Additional Requirements II (2-3 hours):**
Select one of the following:
- CPS 150 FORTRAN Programming (3)
- CPS 180 Principles of Computer Programming (3)

**Additional Requirements III (5-8 hours):**
Select one of the following options:
**Option A:** CHM 120 Survey of Chemistry (4)
- **CPS 160 Introductory Chemistry Lab (1)**

**Option B:** CHM 131 General Chemistry I (4)
- CHM 132 General Chemistry II (4)

**Note:** Students are encouraged to consult with an advisor during their freshman year.

**AREA REQUIREMENTS (12)**
- Humanities (6)
- Social Sciences (6)

**Minimum Totals for Graduation: 124**

See page one for additional graduation requirements.

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12/2014 WD/Delta