**Math Science A.S.**

**Curriculum Outline**

Effective: Spring 2010
Revised: July 2014

---

**Name:** ____________________________
**Expected Graduation Date:** (Circle One)

- May
- December
- August
- 20____

**Student ID:** _______________________

If applying transfer credits to OCC Curriculum Requirements, Name of Transfer Institution(s):
__________________________________________

---

### Requirements

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Courses</th>
<th>Completed Credits</th>
<th>Grade</th>
<th>In Progress Credits</th>
<th>Grade</th>
<th>Final Semester Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>ENG-103 (3)</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>6 Credits</strong></td>
<td>ENG-104 (3)</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>MAT-161 (4)</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>8 Credits</strong></td>
<td>MAT-162 (4)</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>Laboratory Science</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>Sequence: 16 Credits</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>Math/Science/Computer Electives</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>12 Credits</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>Social Science and/or Humanities:</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>12 Credits</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>Health:</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>1 Credit</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>General Electives</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>6 Credits</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td><strong>2 PE</strong></td>
<td>*</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
<td>______</td>
</tr>
</tbody>
</table>

* See back of form

---

**Total: 63 Credits**

---

**For Graduation Certification**

I understand curriculum requirements, and information provided regarding graduation certification.

---

**Student’s Signature** ____________________________
**Date** ____________________________

---

**Signature of Advisor/Counselor** ____________________________
**Date** ____________________________
ENGLISH: ENG-103 and ENG-104 required. Students may be required to complete ENG-099, a non-credit course, before enrollment in ENG-103. If ENG-101 or ENG-102 is taken, the credits should be listed in the Elective category.

MATHEMATICS: As listed.

LABORATORY SCIENCE SEQUENCES: Eight-credit laboratory science sequences must be completed in two of the disciplines listed below. The courses which constitute acceptable sequences within each discipline are indicated:

- **Biological Sciences:** BIO-151-152
- **Geology:** GEO-151/151L & GEO-152/152L (formerly GEO-103-104)
- **Physics:** PHY-103-104 or PHY 105-205 or PHY 105-206 or PHY-205-206
- **Chemistry:** CHE-171/171L & CHE-172/172L (formerly CHE 103-104)

MATH/SCIENCE/COMPUTER ELECTIVES: Twelve (12) credits of Math/Science/Computer electives are required. No more than 8 credit hours of computer electives may be applied to this category. Acceptable courses are indicated below.

- **MAT:** Courses numbered 151 or higher.
- **SCI:** 100, 100L, 103, 103L, 104, 104L
- **BIO:** BIO courses numbered 131 or higher.
- **CSC:** The following are acceptable: CSC 106 Pascal Programming (3 Cr.) CSC-111 Fund. of Computing I (4 Cr.) CSC-112 Fund. of Computing II (4 Cr.)
- **CHE:** 171/171L (formerly 103), 172/172L (formerly 104), 153, 203, 204, 205/205L, 206/206L
- **GEO:** 151/151L (formerly 103), 152/152L (formerly 104), 105, 105L, 106, 106L & courses numbered 200 or higher.
- **PHY:** 103, 104, 105 and courses numbered 200 or higher. (Degree credit cannot be awarded for both PHY-103 & PHY-105)

SOCIAL SCIENCE AND/OR HUMANITIES: Twelve (12) credits of social science and/or Humanities must be completed. Social Sciences include ANT, ECO, HIS, POS, PSY and SOC courses. Humanities include courses in Art, Communications, Drama, History, Language, Literature, Music and Philosophy. EMC-101 is also an approved humanities course.

HEALTH: Any course with an HEA prefix or HUM-270 will fulfill this requirement. Courses formerly numbered PEH-200, 206 or higher are also applicable. Courses with an HFA prefix do not apply.

ELECTIVES: Six credits of general electives are needed. Math courses used as electives must be chosen from MAT-112, MAT-113, MAT-121, MAT-122 or any math course numbered 140 or higher. Science courses used as electives must be taken from the courses listed in the above Math/Science electives category (plus BIO-105, BIO-106, BIO-121). Computer Science courses used as general electives must be numbered 106 or higher. Any other credit bearing college courses may be used as general electives. One (1) credit of PEH may be applied to electives.

PHYSICAL EDUCATION: Two credits are required unless the student has an approved waiver. Any two 100-level PEH courses may be applied.

**INSTRUCTIONS FOR COMPLETING THE CURRICULUM OUTLINE**

1. **Student Information:** Provide the information requested at the top of the form.

2. **Courses and Courses Completed:** If not provided, enter the course prefix and/or number (i.e., ENG-206, POS-200, etc.) of the courses you have successfully completed. Enter the number of credits completed and your grade. Be sure to include courses in which you are currently carrying an Incomplete. Use a catalog when unsure of the course number or number of credits.

   If you are using transfer credits to meet curriculum requirements, write the letter "T" after the number of credits. If you have not requested a transcript from your transfer institution, do so immediately. Or, if you have not received a credit evaluation, contact Student Central.

3. **Courses in Progress and Courses-Final Semester:** List the courses in which you are currently enrolled and in which you plan to enroll. Enter the number of credits under the appropriate category.

4. **Review Requirements:** Review curriculum requirements and be sure that courses you have listed under each category are appropriate. Discussion questions with your advisor.

**APPLYING FOR GRADUATION**

Students planning to graduate in the upcoming semester who have earned a minimum of 45 or more credits must complete an application for graduation. The application should be completed the semester prior to intended graduation.

The form can be found online via WebAccess, or a paper copy of the form can be obtained from the academic department in which you are matriculated. The form should be submitted to Registrar. If completed online, it will automatically be submitted to that office. Once the application is received, a review of degree requirements will be conducted. If you are lacking any requirements, you will be notified by the Certification and Records office.