graduation. Up to two (2) WE credits from the Health and Wellness Department may be included in the 62 credits. Additional Health and Wellness Department credits may be included if they are required in an Academic Program. Physical Education (PE) theory classes can be used as elective credits in associate's degree programs.

b. Three credits of PS 110.

c. At least six credits of English composition are required for students matriculated for the Associate in Arts, Associate of Fine Arts in Fine Arts, Associate of Fine Arts in Photography, Associate in Music, Associate in Nursing, or Associate in Science degree. All students planning to transfer to a baccalaureate program are advised to take EN 101 and EN 102, or EN 100 and EN 102.

5. Have completed the Group Distribution Requirements appropriate to the degree for which they are matriculated. For this purpose, the following Groups are defined:

- **Group I – Humanities**:
  AR 111  MU 107, 109, 235,
  AT 105, 106, 270, 271  236, 237
  EN (any 200 level)  PL
  Foreign Language (except Arabic)  PO 105
  Occupational Spanish  SC
  HU  TH 248

- **Group II – Social Sciences**:
  AN
  CJ 110, 111, 140,
  235, 236, 237
  EC
  GE
  GO
  HS
  PS
  PY
  SO
  SS
  SW

- **Group III – Natural Sciences and Mathematics**:
  (Courses identified as “non-lab” cannot be used to satisfy “laboratory science” requirements.)
  AS 103, 102  GL
  BA 150, 254 (non-lab)  MA (any course except BI
  CM (any courses except CM
  100 and CM 102)  PC
  227 (non-lab)  TE 103, 104, 132
  GE 132  (non-lab)

* Students are encouraged to verify with the transfer institution that select courses will meet distribution requirement for that institution.

**APPROVED ASSOCIATE IN SCIENCE REQUIREMENTS**

**Natural Sciences Course Sequences**
A minimum of twenty (20) credit hours, including two 2-semester course sequences taken from two subject areas, one of which must be a laboratory science course.

**Biology Course Sequences**

<table>
<thead>
<tr>
<th>Course Sequence</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 101 and 232</td>
<td>BI 103 and 232 BI 104 and 207</td>
</tr>
<tr>
<td>BI 103 and 104</td>
<td>BI 104 and 232 BI 121 and 122</td>
</tr>
<tr>
<td>BI 151 and 152</td>
<td>BI 103 and 215 BI 104 and 215</td>
</tr>
</tbody>
</table>

**Mathematics Course Sequences**

<table>
<thead>
<tr>
<th>Course Sequence</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 108 and 110</td>
<td>MA 129 and 215 MA 133 and 245</td>
</tr>
<tr>
<td>MA 131 and 245</td>
<td>MA 133 and 134 MA 110 and 129</td>
</tr>
<tr>
<td>MA 131 and 215</td>
<td>MA 133 and 215 MA 110 and 215</td>
</tr>
<tr>
<td>MA 131 and 133</td>
<td>MA 134 and 255 MA 127 and 129</td>
</tr>
<tr>
<td>MA 131 and 215</td>
<td>MA 255 and 257 MA 127 and 215</td>
</tr>
</tbody>
</table>

**Physical Science Course Sequences**

<table>
<thead>
<tr>
<th>Course Sequence</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM 103 and 104</td>
<td>CM 113 and 114 PH 125 and 246</td>
</tr>
<tr>
<td>CM 103 and 114</td>
<td>CM 231 and 241 PH 245 and 246</td>
</tr>
<tr>
<td>CM 109 and 231</td>
<td>CM 104 and 113 PH 126 and 245</td>
</tr>
<tr>
<td>CM 236, 237 and CM 238, 239 PH 125 and 126</td>
<td></td>
</tr>
<tr>
<td>CM 212 and 282</td>
<td>PH 125 and 126</td>
</tr>
</tbody>
</table>

**ASSOCIATE DEGREE GROUP DISTRIBUTION REQUIREMENTS**

In addition to the General Requirements, candidates for associate's degrees must fulfill certain group distribution requirements unique to each degree. These are listed by degree.

**Associate in Applied Arts and Sciences**

1. **AAAS, Specific Occupational Curricula**
The Associate in Applied Arts and Sciences can be awarded to students who complete the requirements of specific two-year Occupational Education curricula as described in the ORCC Curricula section of this Catalog.

2. **AAAS, Technology Option (Code 900)**
   - Technology Credits–34, including:
     - Technology–DR, EL, ER, MN, TE, TM,TR
     - Technology for Industry–TI
     - Technology Module–TM
     - Apprenticeship–AP
     - Architecture–AR
     - Engineering–EG
   - Communication Credits (choose 1 combination)–6:
     - EN 101 and EN 102 (suggested)
     - BA 101 and 102
     - EN 101 and BA 102
   - Humanities Credits–3: SC 131 (suggested) or SC 135
   - Political Science Credits–3: PS 110
   - Natural Science and Mathematics Credits–8:
     - Minimum 3 credits with lab; suggested courses include:
       - PH 115, MN 217 or TE 114
   - Elective Credits–7:
     One WE activity can be used as an elective.
   - Wellness Credits–1

3. **AAAS, Apprenticeship Option (650)**
Students matriculating for the Associate in Applied Arts and Sciences must complete a program of related instruction for a specific apprenticeship trade at a community college or other postsecondary accredited institution, as evidenced by a certificate of completion issued by the participating company whose program is registered with the Michigan Department of Education and/or the Bureau of Apprenticeship and Training, U.S. Department of Labor. Students must also complete at least