Associate in Math Education - DTA/MRP

Math Education

Mathematics is the language of science and a powerful mechanism for describing the world around us. A mathematics degree at Lower Columbia College prepares students for bachelor’s programs in areas such as mathematics, statistics, or math education.

Degree Requirements

- **Communications:**
  10 credits - ENGL& 101 English Composition I AND ENGL& 102 Composition II

- **Quantitative/Symbolic Reasoning Skills:**
  5 credits - MATH& 151* Calculus I (must be proficient in MATH 098/099 Pre-College Math III)

- **Humanities:**
  15-20 credits – SPCH 110 Intro to Public Speaking AND an additional 10 credits from the Distribution List for Transfer Degrees. No more than 5 credits in foreign language at the 100 level, no more than 10 credits from any one discipline. No more than 5 credits in performance/skills courses are allowed.

- **Natural Sciences:**
  15-20 credits – MATH& 152* Calculus II AND 10 credits of science from Physics, Chemistry, Geology, or Biology from the Distribution List for Transfer Degrees. Shall include at least one lab course.

- **Social Sciences:**
  15-20 credits – PSYC& 100 General Psychology AND an additional 10 credits from the Distribution List for Transfer Degrees. No more than 10 credits allowed from any one discipline.

- **Diversity:**
  5 credits – From the Diversity Course List. Courses that meet this requirement may also be used toward other graduation requirements. Diversity courses are listed in the quarterly schedule and identified by ‘DIV’ attached to the course title. Example: SOC& 101 – Introduction to Sociology:DIV.

Other Requirements

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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>EDUC&amp; 205</td>
<td>Intro to Education with Field Exp.</td>
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<tr>
<td>MATH&amp; 153*</td>
<td>Calculus III</td>
<td>5</td>
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<tr>
<td>MATH&amp; 254*</td>
<td>Calculus IV (was MATH 154)</td>
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<td>MATH 220</td>
<td>Linear Algebra</td>
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Diversity and Distribution Lists are available in the Lower Columbia College Academic Catalog and at lowercolumbia.edu/catalog.

Total transferable credits required to earn this degree: 90 in courses numbered 100 or above with a cumulative grade point average (GPA) of at least 2.0. A course cannot be credited toward more than one distribution or skill area.

If additional credits are required, the remainder shall be fully transferable as defined by the receiving institution.

*It is recommended that sequence courses be completed at one institution.

Students completing this program should acquire the following skills and abilities:

- Prepared for transfer to a mathematics program at a 4-year college or university.
- Communicate mathematical ideas and concepts using appropriate symbols and terminology.
- Apply mathematical principles to find solutions to real world problems.
- Construct a reasonable argument to defend the overall importance of mathematics.
- Promote evidence-based thinking and decision making.

Revised March 2013 (Effective Fall 2013)
Planner

The distribution lists are in the LCC Catalog. If you are online, click on the links below:

Diversity Course List
Distribution List for Transfer Degrees
AA - DTA Unofficial Degree Completion Worksheet

ONLINE – AA - DTA Unofficial Degree Completion Worksheet
This worksheet is for students who are only taking online courses to earn their AA-DTA.

Advisor: Dawn Draus, 360.442.2564, ddraus@lowercolumbia.edu

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Notes:
Program planning is based on information available at the time of preparation. It is the student’s responsibility to meet with their LCC advisor and with an advisor at the college to which they plan to transfer for specific requirements. Consult the LCC catalog for LCC graduation requirements.

Most four-year universities require one year of a single foreign language as a graduation requirement.