MATHEMATICS AND STATISTICS UNDERGRADUATE PATHWAY

This program prepares students to enter the next semester of a bachelor's degree program in Mathematics in the College of Arts and Sciences or a degree in Biostatistics in the College for Public Health and Social Work at Saint Louis University.

Curriculum Overview

The International Year One curriculum consists of English, mathematics and general elective courses. Other courses require permission from the Pathway Coordinator.

Program Entry Requirements

1-semester (Accelerated) Pathway

- Secondary/high school degree or equivalent
- 2.75 minimum GPA on 4.0 scale
- Language requirement:
  - TOEFL iBT 75 (17 subscores in reading and writing) or
  - IELTS 6.0 (5.5 subscores in reading and writing) or
  - Password 6.5 or
  - PTEA 50

2-semester (Standard) Pathway

- Secondary/high school degree or equivalent
- 2.75 minimum GPA on 4.0 scale
- Language requirement:
  - TOEFL iBT 60 (13 subscores in reading and writing) or
  - IELTS 5.5 (5.0 subscores in reading and writing) or
  - Password 6 or PTEA 44 or
  - Completion of AE Level 4

3-semester (Comprehensive) Pathway

- Secondary/high school degree or equivalent
- 2.5 minimum GPA on 4.0 scale
- Language requirement:
  - TOEFL iBT 50 (10 subscores in reading and writing) or
  - IELTS 5.0 (4.5 subscores in reading and writing) or
  - Password 5.5 or
  - PTEA 38 or
  - Completion of AE Level 3

Learning Outcomes

1. Students will be able to execute a variety of verbal tasks in academic settings using English that can be understood by those unaccustomed to non-native speakers.
2. Students will be able to execute a variety of written tasks in academic settings using English that can be understood by those unaccustomed to non-native writers.
3. Students will be able to apply a process-driven approach to completing verbal and written academic assignments in multiple disciplines and modes.

4. Students will be able to deploy reflective and self-regulated learning strategies.

Requirements

1-semester (Accelerated) Pathway

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAP 1200</td>
<td>Academic Writing and Editing Skills II</td>
<td>3</td>
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<tr>
<td>EAP 1210</td>
<td>Pathway Recitation Lab II</td>
<td>1</td>
</tr>
<tr>
<td>EAP 1220</td>
<td>Academic Reading and Study Skills II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Requirements (1 course) (p. 2)</td>
<td>3-4</td>
<td></td>
</tr>
</tbody>
</table>

Students are placed in the appropriate mathematics class based on an online placement test. MATH 1520 is recommended.

General Elective Requirement (1 course) (p. 2)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIV 1010</td>
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2-semester (Standard) Pathway

<table>
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<tbody>
<tr>
<td>EAP 1000</td>
<td>Academic Writing and Editing Skills I</td>
<td>3</td>
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<tr>
<td>EAP 1010</td>
<td>Pathway Recitation Lab I</td>
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</tr>
<tr>
<td>EAP 1020</td>
<td>Academic Reading and Study Skills I</td>
<td>3</td>
</tr>
<tr>
<td>EAP 1030</td>
<td>Academic Presentations and Speaking Skills</td>
<td>1</td>
</tr>
<tr>
<td>EAP 1200</td>
<td>Academic Writing and Editing Skills II</td>
<td>3</td>
</tr>
<tr>
<td>EAP 1210</td>
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<td>1</td>
</tr>
<tr>
<td>EAP 1220</td>
<td>Academic Reading and Study Skills II</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Requirements (2 courses) (p. 2)</td>
<td>6-8</td>
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</tr>
</tbody>
</table>

Students are placed in the appropriate mathematics class based on an online placement test. The recommended Mathematics sequence is MATH 1510 and MATH 1520.

General Elective Requirement (2 courses) (p. 2)

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>UNIV 1010</td>
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<tr>
<td>Total Credits</td>
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<td>28-30</td>
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</table>

3-semester (Comprehensive) Pathway

For the Comprehensive Pathway students are required to take the below courses followed by the Standard 2-semester Pathway.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EAP 0810</td>
<td>Reading Level 4: High Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>EAP 0820</td>
<td>Writing Level 4: High Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>EAP 0830</td>
<td>Grammar Level 4: High Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>EAP 0860</td>
<td>Contemporary Issues: High Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>EAP 1010</td>
<td>Pathway Recitation Lab I</td>
<td>1</td>
</tr>
<tr>
<td>Mathematics Requirements (1 course) (p. 2)</td>
<td>3</td>
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</table>

Students are placed in the appropriate mathematics class based on an online placement test. MATH 1200 is recommended.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credits</th>
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Mathematics Requirements

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MATH 0260</td>
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<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1320</td>
<td>Survey of Calculus</td>
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</tr>
<tr>
<td>MATH 1400</td>
<td>Pre-Calculus</td>
<td>3</td>
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<tr>
<td>MATH 1510</td>
<td>Calculus I</td>
<td>4</td>
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<tr>
<td>MATH 1520</td>
<td>Calculus II</td>
<td>4</td>
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</table>

1 This course does not count towards the degree.

General Elective Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>FPA 1000</td>
<td>Intro to the Arts</td>
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</tr>
<tr>
<td>POLS 1000</td>
<td>Introduction to Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1600</td>
<td>Introduction to International Politics</td>
<td>3-4</td>
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<tr>
<td>SOC 1100</td>
<td>Introduction to Sociology</td>
<td>3</td>
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<tr>
<td>THEO 1000</td>
<td>Theological Foundations</td>
<td>3</td>
</tr>
<tr>
<td>WGST 1900</td>
<td>Introduction to Women's and Gender Studies</td>
<td>3</td>
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</tbody>
</table>

Continuation Standards

Earn a 2.50 overall grade point average (GPA) with no grades below a C.

Progression Requirements

- Minimum 2.50 cumulative grade point average (GPA).
- Grade of B or better in all classes counting toward major.
- No C-/D/F/W/I/P/NP/S/U grades.
- Writing portfolio.

Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

1-semester (Accelerated) Pathway

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Year One</td>
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<tr>
<td>Fall</td>
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<td>EAP 1200</td>
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<td>Academic Reading and Study Skills I</td>
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<td>MATH 1510</td>
<td>Calculus I (or higher)</td>
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2-semester (Standard) Pathway

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<td>MATH 1510</td>
<td>Calculus I (or higher)</td>
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<td>POLS 1600</td>
<td>Introduction to International Politics</td>
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<td>THEO 1000</td>
<td>Theological Foundations</td>
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<td>MATH 1520</td>
<td>Calculus II (or higher)</td>
<td>4</td>
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3-semester (Comprehensive) Pathway

For the Comprehensive Pathway students take the following semester followed by the Standard 2-semester Pathway.

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<td>3</td>
</tr>
<tr>
<td>EAP 0860</td>
<td>Contemporary Issues: High Intermediate</td>
<td>3</td>
</tr>
<tr>
<td>! Need Recitation Number</td>
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<td>1</td>
</tr>
<tr>
<td>MATH 1200</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Credits</td>
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<tr>
<td></td>
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