Mathematics

The Department of Mathematics offers course work covering a wide variety of mathematics applications. We provide our students with an integrated view of mathematics, its history and current activity, and an opportunity to participate in mathematical discovery.

Students wishing to major in mathematics need a solid background in high school algebra and geometry. Courses in pre-calculus and calculus are also recommended.

Degree Programs

The department offers both a Bachelor of Arts (BA) and the Bachelor of Science (BS) in Mathematics.

The Bachelor of Arts is for students wishing to obtain a broad, yet substantial background in mathematics. The BA works well for students who want to add a minor or major in a non-scientific area or who intended to pursue a teaching degree via the Master of Arts of in Teaching (MAT) program.

We offer two version of the Bachelor of Science. The standard BS is for students who wish to work as analysts or statisticians or those interested in earning a graduate degree in a mathematical field. The Actuarial Science track is for students wanting to enter the actuarial profession. The department also offers a minor in Mathematics.

The most highly-qualified students may wish to pursue the Accelerated Master of Arts (MA) program, which allows students to earn both the BS and MA in Mathematics in a total of five years.

Scholarship Opportunities and Awards

The department offers scholarships and employment opportunities to current and prospective students, including:

• C. Coleman Petty Scholarship for entering and first-year math major
• Robert J. Bickel Scholarship for a junior or senior math major
• Lois Pedigo Scholarship for declared undergraduate math majors
• William Marshall Bullitt Best Paper Award for the best mathematics paper by a math major

The department also awards competitive Undergraduate Teaching Assistantships

Student Organizations

• Math Club
• Actuarial Club

Internships

The department offers opportunities for students to integrate work and/or research experiences into their undergraduate program. For more information, please visit the department's Undergraduate Study web page at http://www.math.louisville.edu/undergrad/index.html.

For More Information
Call: 502.852.6826
Visit: math.louisville.edu
Mathematics

General Education Requirements
34 Hours

Arts and Sciences Programmatic Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General 101: A&amp;S Orientation</td>
<td>1</td>
</tr>
<tr>
<td>Foreign Language (completion of the second semester of a single foreign language, or completion of the intermediate level; hours will vary depending on language taken)</td>
<td>6-12</td>
</tr>
<tr>
<td>Electives in Humanities or Social Sciences (in addition to courses counted toward General Education; 6 hours must be at 300 level or above)</td>
<td>6-9</td>
</tr>
<tr>
<td>WR – two approved courses at the 300 level or above (may be incorporated into other degree requirements)</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL: 13-22

Department of Mathematics

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BS – MATH 205, 206, 301, 311, 325, 387, 405, 501 (CUE), 502, 521 (CUE), 522, 561</td>
<td>39</td>
</tr>
<tr>
<td>BA – MATH 205, 206, 301, 311, 325, 387, 501 (CUE), 521 (CUE), 550 or 551, 560 or 561</td>
<td>33</td>
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<tr>
<td>Mathematics Electives</td>
<td>3-12</td>
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</table>

TOTAL: 36-51

TOTAL 121

MINIMUM ELECTIVES HOURS: 2-17

Supporting Classes

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific supporting courses depend on S or BA program</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL: 18-39

Courses and hours will depend on the Bachelor of Science or Bachelor of Art program, as well as the addition of the Actuarial Science track. To view a complete list of courses for each program, please view the Undergraduate Catalog at louisville.edu/undergraduatecatalog.

To review proposed Flight Plans, please visit louisville.edu/flightplan

*This is intended only as an overview of the program and not intended to replace advising or the catalog. Subject to change before your enrollment.

The University of Louisville is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACSCOC). For more information - louisville.edu/accreditation.

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