

**Program Progression Guide**

**Disclaimer:** The 2022-2023 Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the Fall 2022, Spring 2023, and Summer 2023 semesters. The Program Progression Guide assists students in the development of an individualized 8-semester plan. Students are encouraged to use this guide, myPurduePlan\* (online degree auditing tool) and the Student Educational Planner (SEP) as they work with their academic advisor towards the completion of their degree requirements.

**Notification:** Each student is ultimately responsible for knowing, monitoring and completing all degree requirements.

An undergraduate degree in the College of Science requires completion of the following degree requirements.

<b>University Degree Requirements</b>		
Minimum 2.0 Cumulative GPA	Minimum 120 Credits that fulfill degree requirements	32 Residency Credits (30000 and above) at a Purdue University campus
<b>University Core Curriculum**</b>		
<ul style="list-style-type: none"> <li>• Human Cultures: Behavioral/Social Science</li> <li>• Human Cultures: Humanities</li> <li>• Information Literacy</li> <li>• Oral Communication</li> </ul>	<ul style="list-style-type: none"> <li>• Quantitative Reasoning</li> <li>• Science</li> <li>• Science, Technology &amp; Society Selective</li> <li>• Written Communication</li> </ul>	
<b>Civic Literacy Proficiency - <a href="https://www.purdue.edu/provost/about/provostInitiatives/civics/">https://www.purdue.edu/provost/about/provostInitiatives/civics/</a></b>		
<b>Required Major Program Courses</b>		
A minimum of 32 semester credits of upper level (30000+) required. Students must earn a 2.0 average GPA among required MA/STAT/MGMT courses required for major excluding Calculus I, II, III and STAT 35000. Students must earn a minor in <b>ECONOMICS, BUSINESS ECONOMICS or MANAGEMENT</b> to complete the major.		
<b>College of Science Core Curriculum</b>		
<ul style="list-style-type: none"> <li>• Freshman Composition: 3-4 credits</li> <li>• Technical Writing and Presentation: 3-6 credits</li> <li>• Teaming &amp; Collaboration (NC)</li> <li>• General Education - 9 credits</li> </ul>	<ul style="list-style-type: none"> <li>• Foreign Language &amp; Culture: 0-9 credits</li> <li>• Great Issues - 3 credits</li> <li>• Laboratory Science: 6-8 credits</li> <li>• Multidisciplinary: 0-3 credits</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematics: 6-10 credits</li> <li>• Statistics: 3 credits</li> <li>• Computing: 3-4 credits</li> </ul>
<b>Degree Electives</b>		
Any Purdue or transfer course approved to meet degree requirements in accordance with individual departmental policies. Consult the <u>No Count course list</u> for courses which may not be used to meet any College of Science degree requirement.		

\* This audit is not your academic transcript and it is not official notification of completion of degree or certificate requirements.

\*\* University Core Curriculum Outcomes may be met through completion of the College of Science Core curriculum. Students should consult with their academic advisors and myPurdue Plan for course selections.

## 2022-2023 Mathematics/Business Degree Progression Guide

The Mathematics Department has *suggested* the following degree progression guide for the Mathematics/Business Degree. Students will work with their academic advisors to determine their best path to degree completion.

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4-5	Calculus I Option *	ALEKS 85+ or SATM 670/ACTM 29 requirement	4-5	Calculus II Option	Calculus I, C- or higher
3-4	Science Core Option		3-4	Science Core Option	
3-4	Science Core Option		3-4	Science Core Option	
1	Free Elective (MA 10800)		2-5	Free Elective	
3-5	Free Elective				
<b>16-17</b>			<b>15</b>		

Credit	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4-5	Calculus III Option	Calculus II, C- or higher	3	MA 35100 * Elementary Linear Algebra	Calculus III, C- or higher
3	MA 37300		3	Minor Course	Varies
3-4	Science Core Option		3	STAT 35000 Introduction to Statistics	Calculus II, C- or higher
3-4	Minor Course	Varies	3	Science Core Option	
0-2	Elective		3	Free Elective	
<b>15-16</b>			<b>15</b>		

Credit	Fall 3rd Year	Prerequisite	Credit	Spring 3rd Year	Prerequisite
4	MA/STAT 41600 or STAT 51600 Probability	Calculus III, C- or higher	3	MA 35301 Linear Algebra II	MA 35100 C- or higher
3	MA 34100 or MA 44000	Varies	3	Minor course	Varies
3-4	Science Core Option		3-4	Science Core Option	
3-4	Science Core Option		3-4	Science Core Option	
3	Free elective (Science, Technology & Society Selective Course)		3	Free Elective	
<b>16-18</b>			<b>15-17</b>		

Credit	Fall 4th Year	Prerequisite	Credit	Spring 4th Year	Prerequisite
3	MA 43200 or STAT 41700 or STAT 51700	C- or better in STAT 41600	3	STAT 51200 Applied Regression Analysis	Jr/Sr Standing; STAT 35000, C- or higher
4	MA 36600 Ordinary Differential Equations	MA 35100, C- or higher/may be concurrent	3	Science Core Option	
3	Minor Course	Varies	3	Minor Course	Varies
3-4	Science Core Option		3	Minor Course	Varies
3	Science Core Option		3	Free Elective	
<b>16-17</b>			<b>15</b>		

Superscript of \*(eg Calculus I Option\*) indicates a course a student should earn a minimum of a B- see advisor for further details.

Courses in ( ) are recommended.

### Science Core Curriculum Options

(one course needed for each requirement unless otherwise noted)

Options recommended for first- and second-year students	Options recommended for third- and fourth-year students
Freshman Composition <sup>UC</sup>	Technical Writing and Presentation <sup>UC</sup> (COM 217 recommended)
Computing (CS 17700 or CS 15900)/Teamwork	Multidisciplinary Experience <sup>UC</sup>
Foreign Language and Culture <sup>UC</sup> (3 courses needed)	General Education <sup>UC</sup> (2 courses needed + MGMT 20000)
Laboratory Science (2 course sequence)	Great Issues