## Program Progression Guides

**Disclaimer:** The 2019-2020 Purdue West Lafayette catalog is considered the source for academic and programmatic requirements for students entering programs during the Fall 2019, Spring 2020, and Summer 2020 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.

### University Degree Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Minimum 2.0 Cumulative GPA</th>
<th>Minimum 120 Credits that fulfill degree requirements</th>
<th>32 Residency Credits (30000 and above) at a Purdue University campus</th>
</tr>
</thead>
</table>

### University Core Curriculum**

- Human Cultures: Behavioral/Social Science
- Human Cultures: Humanities
- Information Literacy
- Oral Communication

- Quantitative Reasoning
- Science
- Science, Technology & Society Selective
- Written Communication

**University Core Curriculum Course Listing**

### Required Major Program Courses

Departmental specific requirements. 2.0 average GPA in classes required to fulfill biology requirements.

Minimum 2.0 cumulative GPA

Must have a 500-level BIOL course other than BIOL 54200.

**College of Science Core Curriculum**

- Freshman Composition – 3 credits
- Technical Writing and Presentation - 3 credits
- Teaming & Collaboration (NC)
- General Education - 9 credits

- Foreign Language & Culture – 9 credits
- Great Issues - 3 credits
- Laboratory Science - 8 credits
- Multidisciplinary - 3 credits

- Mathematics - 6-10 credits
- Statistics - 3 credits
- Computing - 3 credits

### Degree Electives

Any Purdue or transfer course approved to meet degree requirements in accordance with individual departmental policies. Consult the No Count course list 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.
# 2019-20 Genetics
## Degree Progression Guide

The Department of Biological Sciences has suggested the following degree progression guide for the Genetics Degree. Students will work with their academic advisors to determine their best path to degree completion. Course pre-requisites are specific to this degree plan.

<table>
<thead>
<tr>
<th>Credit</th>
<th>Fall 1st Year</th>
<th>Prerequisite</th>
<th>Credit</th>
<th>Spring 2nd Year</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>2</td>
<td>BIOL 12100</td>
<td></td>
<td>3</td>
<td>BIOL 13100</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>CHM 12901</td>
<td>ALEKS 85 or Calc Placement</td>
<td>4</td>
<td>Organic Chem I Selective</td>
<td>CHM 12901</td>
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<tr>
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<td>BIOL 13500 or 19500</td>
<td>CHM 12901 co-req</td>
<td>3-5</td>
<td>Calculus II selective</td>
<td>Calc I</td>
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<tr>
<td>3-5</td>
<td>Calculus I selective</td>
<td>ALEKS 75 or 85</td>
<td>3-4</td>
<td>Science Core Option</td>
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<td>Science Core Option</td>
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<td>3</td>
<td>Science Core Option</td>
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<tr>
<td>1</td>
<td>Elective (BIOL 11500 pref.)</td>
<td>BIOL 12100 co-req</td>
<td>16-18</td>
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<table>
<thead>
<tr>
<th>Credit</th>
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<th>Prerequisite</th>
<th>Credit</th>
<th>Spring 2nd Year</th>
<th>Prerequisite</th>
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<tbody>
<tr>
<td>3</td>
<td>BIOL 23100</td>
<td>BIOL 13100 and co-req CHM 12901</td>
<td>3</td>
<td>BIOL 24100</td>
<td>BIOL 23100</td>
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<tr>
<td>2</td>
<td>BIOL 23200</td>
<td>Co-req BIOL 23200</td>
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<td>BIOL 24200</td>
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<td>Organic Chem II Selective</td>
<td>Organic I</td>
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<td>Chemistry Selective</td>
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<td>CHM 33901</td>
<td>CHM 33900 co-req</td>
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<tr>
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<td>Science Core Option</td>
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<td>2</td>
<td>BIOL 28600</td>
<td>BIOL 12100</td>
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<tr>
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<td>3</td>
<td>Science Core Option</td>
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<table>
<thead>
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<th>Fall 3rd Year</th>
<th>Prerequisite</th>
<th>Credit</th>
<th>Spring 3rd Year</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Biology Selective</td>
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<td>3</td>
<td>BIOL 48100</td>
<td>BIOL 24100</td>
</tr>
<tr>
<td>4</td>
<td>PHYS I Selective</td>
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<td>4</td>
<td>PHYS II Selective</td>
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<tr>
<td>3</td>
<td>Science Core Option</td>
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<td>3-4</td>
<td>Science Core Option</td>
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<tr>
<td>3</td>
<td>Elective</td>
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<td>Science Core Option</td>
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<tr>
<td>16</td>
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<td></td>
<td>1</td>
<td>Elective (BIOL 39300 pref)</td>
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<table>
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<th>Prerequisite</th>
<th>Credit</th>
<th>Spring 4th Year</th>
<th>Prerequisite</th>
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<tr>
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<td>BIOL 44100</td>
<td>BIOL 24100</td>
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<td>BIOL Selective 500 Level</td>
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<td>3-4</td>
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<td>Base Lab Requirement</td>
<td>2-4</td>
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<td>Science Core Option</td>
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<td></td>
<td>14-16</td>
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</tbody>
</table>

## Science Core Curriculum Options

(One course needed for each requirement unless otherwise noted)

<table>
<thead>
<tr>
<th>Options recommended for first- and second-year students</th>
<th>Options recommended for third- and fourth-year students</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman Composition¹ UC</td>
<td>Technical Writing and Presentation¹ UC (COM 217 recommended)</td>
</tr>
<tr>
<td>General Education¹ UC (3 courses needed)</td>
<td>Statistics (STAT 50300)</td>
</tr>
<tr>
<td>Foreign Language and Culture¹ UC (3 courses needed)</td>
<td>Computing (CS 17700 or CS 15900)</td>
</tr>
<tr>
<td>Multidisciplinary Experience¹ UC (BIOL 12100 satisfies)</td>
<td>Great Issues</td>
</tr>
</tbody>
</table>

¹ UC - Select courses may also satisfy a University Core Curriculum requirement; see the University Core Requirement course list for approved courses. Students must have 32 credits at the 30000 level or above taken at Purdue.