GENETICS MINOR

https://colsa.unh.edu/molecular-cellular-biomedical-sciencesprogram/ minor/genetics

Description

Students in other majors who wish to develop a focus in the area of genetics and genomics can complement their major academic program with a minor in genetics.

Requirements

The minor consists of a minimum of 20 credits, no more than 8 of which can also be used to fulfill major requirements.

A C average (2.00) is required in courses that the minor department approves.

It is the student’s responsibility to file an Intent to Minor (https://colsa.unh.edu/sites/default/files/media/2018/09/intent_to_minor_in_genetics-final_002.pdf) form with the GEN minor advisor by the end of the junior year and to complete a Certification of Completion of Minor (https://unh.app.box.com/v/minor-form) form during their final semester at UNH.

Required Course

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEN 604</td>
<td>Principles of Genetics</td>
<td>4</td>
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</tbody>
</table>

Choose at least one Transmission/Population Genetics course and one Molecular Genetics course. To reach the minimum of 20 credits for the minor, 4 credits of GEN 795 Investigations in Genetics may be used.

Transmission/Population Genetics Courses (Choose at least One)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEN 705 &amp; GEN 725</td>
<td>Population Genetics and Population Genetics Lab</td>
<td>5</td>
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<tr>
<td>GEN 706</td>
<td>Human Genetics</td>
<td>4</td>
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<tr>
<td>GEN 713</td>
<td>Microbial Ecology and Evolution</td>
<td>4</td>
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<tr>
<td>GEN 715</td>
<td>Molecular Evolution</td>
<td>4</td>
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<tr>
<td>GEN 772</td>
<td>Evolutionary Genetics of Plants</td>
<td>4</td>
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<tr>
<td>NR 664</td>
<td>Conservation Genetics</td>
<td>4</td>
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Molecular Genetics Courses (Choose at least One)

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEN 704</td>
<td>Genetics of Prokaryotic Microbes</td>
<td>5</td>
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<tr>
<td>GEN 711</td>
<td>Genomics and Bioinformatics</td>
<td>4</td>
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<tr>
<td>GEN 712</td>
<td>Programming for Bioinformatics</td>
<td>5</td>
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<tr>
<td>GEN 717</td>
<td>Molecular Microbiology</td>
<td>5</td>
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<tr>
<td>GEN 721</td>
<td>Comparative Genomics</td>
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<tr>
<td>GEN 771</td>
<td>Molecular Genetics</td>
<td>4</td>
</tr>
<tr>
<td>GEN 774</td>
<td>Techniques in Plant Genetic Engineering and Biotechnology</td>
<td>4</td>
</tr>
<tr>
<td>BMCB 754</td>
<td>Molecular Biology Research Methods</td>
<td>5</td>
</tr>
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