Functional Genomics (MR)

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 590</td>
<td>Special Topics (Intro Bioinformatics)</td>
<td>12</td>
<td></td>
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<tr>
<td>GN 735</td>
<td>Functional Genomics</td>
<td></td>
<td></td>
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<tr>
<td>GN 701</td>
<td>Molecular Genetics</td>
<td></td>
<td></td>
</tr>
<tr>
<td>or BCH 703</td>
<td>Macromolecular Synthesis and Regulation</td>
<td></td>
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<tr>
<td>PP 810/610</td>
<td>Special Topics (Genomics Journal Club)</td>
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<tr>
<td>GN 850</td>
<td>Professionalism and Ethics</td>
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Functional Genomics Core Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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</thead>
<tbody>
<tr>
<td>ST 511</td>
<td>Statistical Methods For Researchers I</td>
<td></td>
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<tr>
<td>GN 702</td>
<td>Cellular and Developmental Genetics</td>
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<tr>
<td>or BCH 705</td>
<td>Molecular Biology Of the Cell</td>
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<tr>
<td>GN 703</td>
<td>Population and Quantitative Genetics</td>
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<tr>
<td>or BCH 701</td>
<td>Macromolecular Structure</td>
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Students will select an additional nine credit hours of Functional Genomics Category I Electives in conjunction with the academic committee.

Total Hours: 30

1 Functional Genomic Category I Electives cannot be chosen from ST 590, CSC 530, ST 512, ST 501, or ST 502. However, these courses can be taken as additional electives beyond the minimum 30 credit requirement.

Faculty

Full Professors

Kenneth B. Adler
Jose Miguel Alonso
Prema Arasu
Christopher M. Ashwell

David M. Bird
Russell J. Borski
Rebecca S. Boston
Matthew Breen
Edward Bealmear Breitschwerdt
Dennis T. Brown
James W. Brown
Ignazio Carbone
Margaret E. Daub
Gregg A. Dean
Ralph A. Dean
Ralph E. Dewey
Charlotte E. Farin
Robert Graham Franks
Frederick J. Fuller
John E. Gadsby
Troy Ghashghaei
John R. Godwin
Major M. Goodman
Amy Michele Grunden
Linda Kay Hanley-Bowdoin
Jason M. Haugh
James B. Holland
Jonathan M. Horowitz
Sophia Kathariou
Robert M. Kelly
Matthew D. Koci
Bailian Li
Jonathan S. Lindsey
Hsiao-Ching Liu
Steven Lommel
James W. Mahaffey
Earl S. Maxwell
Steven Edward McKeand
Melissa Schuster Merrill
Eric S. Miller