

# Bachelor of Science, Biology, Option 12: Genetics & Genomics, 120 Hours

2018 - 2020 Catalog Expires Summer 2026

**Four-year Degree Suggestion (for planning purposes only)**  
 Currently enrolled students should meet with their academic advisor

FIRST YEAR				
FALL	HOURS	SPRING	HOURS	SUMMER
<b>Core:</b> Math <b>MA**</b> M 408C, 408R or <i>M408N<sup>1</sup></i>	4	<b>Major:</b> <i>M408S<sup>1</sup></i>	3-4	Opportunities: • Study Abroad • Internship • Volunteer • Course: <b>Core:</b> U.S. History <b>HI**</b>
<b>Core/Major:</b> Science & Tech <b>N1**</b> CH 301	3	<b>Core/Major:</b> Science & Tech <b>N1**</b> CH 302	3	
<b>Core/Major:</b> Science & Tech <b>N2</b> BIO 311C	3	<b>Major:</b> BIO 311D	3	
<b>Core:</b> UGS 302 <b>Wr</b> /303** <b>ID</b>	3	<b>Major:</b> CH 204	2	
<b>Core:</b> RHE 306 <b>C1</b>	3	<b>Core:</b> VAPA <b>VP**</b>	3	
	16		14-15	
SECOND YEAR				
FALL	HOURS	SPRING	HOURS	SUMMER
<b>Major:</b> CH 320M	3	<b>Major:</b> UD BCH/BIO/CH <sup>4</sup> (CH 320N)	3	Opportunities: • Study Abroad • Internship • Research • Course: <b>Core:</b> GOV 312L <b>GO</b>
<b>Major:</b> BIO 325	3	<b>Major:</b> UD BCH/BIO/CH <sup>4</sup> (CH 220C)	2-3	
<b>Major:</b> BIO 206L <sup>4</sup>	2	<b>Major:</b> BIO 370	3	
<b>Core:</b> Soc & Behav Sci <b>SB**</b>	3	<b>Major:</b> UD BIO <sup>4</sup>	3	
<b>Core:</b> U.S. History <b>HI**</b>	3	<b>Core:</b> GOV 310L <b>GO</b>	3	
	14		14-15	
THIRD YEAR				
FALL	HOURS	SPRING	HOURS	SUMMER
<b>Major:</b> PHY 302K & 102M <sup>3</sup>	4	<b>Elective:</b> PHY 302L & 102N <sup>3</sup>	4	Opportunities: • Study Abroad • Internship • Course(s)
<b>Major:</b> BCH 369	3	<b>Major:</b> SDS 328M <b>QR</b> <b>E</b> <b>II</b>	3	
<b>Major:</b> UD BIO <sup>4</sup>	3	<b>Major:</b> UD BIO <sup>4</sup>	3	
<b>Core:</b> E 316L/M/N/P <b>HU**</b>	3	<b>Elective</b> <sup>2**</sup>	3	
<b>Elective</b> <sup>2**</sup>	3			
	16		13	
FOURTH YEAR				
FALL	HOURS	SPRING	HOURS	SUMMER
<b>Major:</b> UD BIO <sup>4</sup>	3	<b>Major:</b> UD BIO <sup>4</sup>	3	Opportunities: • Maymester
<b>Major:</b> UD BIO <sup>4</sup>	3	<b>Major:</b> UD BIO <sup>4</sup>	3	
<b>Major:</b> UD BCH/BIO/CH <sup>4</sup>	3-4	<b>Major:</b> UD BCH/BIO/CH <sup>4</sup> or <i>Elective</i> <sup>2**</sup>	0-3	
<b>Major:</b> UD BIO LAB <sup>4</sup>	3	<b>Major:</b> UD BIO LAB <sup>4</sup>	3	
<b>Elective</b> <sup>2**</sup>	1-3	<b>Elective</b> <sup>2**</sup>	1-3	
	13-15		13-15	

### Legend

**Major:** As published in the Undergraduate Catalog (UG)  
**Elective:** Hours needed to reach the 120 total hours required  
**Core:** Required, part of the 42-hour core curriculum  
**UD BIO/LAB:** Upper-division courses as published in the UG

<sup>1</sup> M408S is required if selected the M408N sequence. If not needed, may take an elective<sup>2</sup>.

<sup>2</sup> Electives as needed to complete the flags and the 120 hours required by the degree.

<sup>3</sup> Other physics options are available.

<sup>4</sup> See course options on the 18-20 checklist.

#### Core Code:

**Communication (I):** **C1**

**Mathematics (I):** **MA**

**Natural Sciences (I):** **N1**

**Humanities (I):** **HU**

**Visual & Performing Arts (I):** **VP**

**History (I):** **HI**

**Government (I):** **GO**

**Social & Behavioral Science (I):** **SB**

**Institutionally Designated Option (I):** **ID**

**Natural Sciences (II):** **N2**

#### Flags:

**Writing Flag:** **Wr**

**Quantitative Reasoning Flag:** **QR**

**Cultural Diversity Flag:** **CD**

**Global Cultures Flag:** **GC**

**Ethics Flag:** **E**

**Independent Inquiry Flag:** **II**

\*\* : May carry a flag