

B.S. Degree (~~131~~ credits required for graduation)



\*If foreign language is fulfilled, additional elective credits may be needed.  
Foreign Language – 1 yr high school = take 101. 2 yrs high school = none needed.

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Major: BIOLOGICAL SCIENCE  
Concentration: Premed/Pre-Health Care  
Professional (BPPE)

## Suggested Course Schedule

2012-13 Degree Requirements  
Revised 4/12

### Johnson model – Torrey chart

YEAR	FALL	SPRING
FRESHMAN	<div> <div>_____</div> <div>YMDT 101 On Origins</div> <div>8</div> </div> <div> <div>_____</div> <div>BIOS 111/113 General Biology I with Lab</div> <div>4</div> </div> <div> <div>_____</div> <div>CHEM 105 General Chemistry I with Lab</div> <div>4</div> </div> <div> <div>_____</div> <div>P.E. Activity</div> <div>1</div> </div> <div> <div>_____</div> <div>GNST 102 First Year Seminar</div> <div><u>1</u></div> </div> <div>18</div>	<div> <div>_____</div> <div>YMDT 102 On Desire</div> <div>8</div> </div> <div> <div>_____</div> <div>BIOS 112/114 General Biology II with Lab</div> <div>4</div> </div> <div> <div>_____</div> <div>CHEM 106 General Chemistry II with Lab</div> <div>4</div> </div> <div> <div>_____</div> <div>P.E. Activity</div> <div><u>1</u></div> </div> <div>17</div>
SOPHOMORE	<div> <div>_____</div> <div>YMDT 201 The City &amp; Man</div> <div>8</div> </div> <div> <div>_____</div> <div>BIOS 281 Physiology or 282 Microbiology# or 382 Vert Physiology</div> <div>4</div> </div> <div> <div>_____</div> <div>CHEM 301 Organic Chemistry</div> <div>3</div> </div> <div> <div>_____</div> <div>CHEM 311 Laboratory in Organic Chemistry</div> <div>1</div> </div> <div> <div>_____</div> <div>P.E. Activity</div> <div><u>1</u></div> </div> <div>17</div>	<div> <div>_____</div> <div>YMDT 202 On Knowing God</div> <div>8</div> </div> <div> <div>_____</div> <div>BIOS 200 Sophomore Writing Seminar</div> <div>1</div> </div> <div> <div>_____</div> <div>CHEM 302 Organic Chemistry</div> <div>3</div> </div> <div> <div>_____</div> <div>CHEM 312 Laboratory in Organic Chemistry</div> <div>1</div> </div> <div> <div>_____</div> <div>P.E. Activity</div> <div><u>1</u></div> </div> <div>14</div>
JUNIOR	<div> <div>_____</div> <div>YMDT 303 On the Cosmos</div> <div>8</div> </div> <div> <div>_____</div> <div>BIOS 312 Cell and Molecular Biology</div> <div>3</div> </div> <div> <div>_____</div> <div>PHSC 111/117 Physics I w/Lab</div> <div>4</div> </div> <div> <div>_____</div> <div>MATH 101 or 105 or 210 or 318</div> <div>4/3</div> </div> <div> <div>_____</div> <div>Writing Competency Requirement</div> <div><u>0</u></div> </div> <div>18/19</div>	<div> <div>_____</div> <div>YMDT 304 On Learning &amp; Knowledge</div> <div>8</div> </div> <div> <div>_____</div> <div>BIOS 322 Lab in Cell and Molecular Biology</div> <div>2</div> </div> <div> <div>_____</div> <div>BIOS 332 Genetics</div> <div>4</div> </div> <div> <div>_____</div> <div>PHSC 112/118 Physics II w/Lab</div> <div><u>4</u></div> </div> <div>18</div> <div>_____ Graduation Petition due in the Registrar's Office</div>
SENIOR	<div> <div>_____</div> <div>YMDT 401 On History &amp; Rhetoric</div> <div>8</div> </div> <div> <div>_____</div> <div>BIOS 401 General Ecology</div> <div>4</div> </div> <div> <div>_____</div> <div>BIOS 450 Directed Research or 470 Sem in Adv Biology</div> <div>1</div> </div> <div> <div>_____</div> <div>BIOS Elective</div> <div><u>4</u></div> </div> <div>17</div>	<div> <div>_____</div> <div>YMDT 402 The Future</div> <div>4</div> </div> <div> <div>_____</div> <div>BIOS Elective (Upper Division)</div> <div>4</div> </div> <div> <div>_____</div> <div>BIOS Elective (Upper Division)</div> <div>4</div> </div> <div> <div>_____</div> <div>BIOS Elective (Upper Division)</div> <div><u>4</u></div> </div> <div>16</div> <div>_____ YMDT 480 Torrey Honors Thesis (4) – optional for graduation; required for Torrey certificate.</div>

\*If foreign language requirement has been fulfilled, elective credits may be needed.

#BIOS 282 is offered only during the Spring semester.

**NOTE:** This schedule is designed with your major department and is one way that the classes will work out properly in sequence for your major. However, there are alternative flexible ways to rotate some of the classes within the same year/level and sometimes between year levels. Please contact your major department advisor to discuss flexible alternatives in scheduling the sequence of your classes.