

**Valparaiso University**  
**Secondary Education**  
**Recommended Four-Year Plan of Study**  
*With content major for B.S in Biology*

<b>Freshman Fall</b>	<b>CR</b>	<b>Freshman Spring</b>	<b>CR</b>
CORE 110: The Human Experience COMM 243: Public Comm. BIO 171: Unity of Life CHEM 121: General Chemistry I PE: 100 Healthy Lifestyles	5 3 4 4 1 <hr/> 16	CORE 115: The Human Experience PSY 110/PSY 111: General Psychology BIO 172: Diversity of Life CHEM 122: General Chemistry II	5 4 4 4 <hr/> 17
<b>Sophomore Fall</b>	<b>CR</b>	<b>Sophomore Spring</b>	<b>CR</b>
THEOLOGY 200  BIO 270: Genetics  ED 203: Intro. to Teaching  CHEM 221: Organic Chemistry	3  4  3  4 <hr/> 14	<b>ED BLOCK 1:</b> <i>Integrated Field Experience</i> <ul style="list-style-type: none"> <li>▪ ED 304: Development</li> <li>▪ ED 306: School &amp; Society</li> <li>▪ ED 350: Seminar</li> </ul> BIO: Intermediate-Level Biology* Social Science Quantitative Analysis	  3 3 0  3 3 4 <hr/> 16
<b>Junior Fall</b>	<b>CR</b>	<b>Junior Spring</b>	<b>CR</b>
Humanities  Social Science  BIO: Intermediate-Level Biology* BIO: Upper-Level Biology** NS 290: Investigation of Contemporary Issues in Science	3  3  3 4 3 <hr/> 16	<b>ED BLOCK 2:</b> <i>Integrated Field Experience</i> <ul style="list-style-type: none"> <li>▪ ED 308: Technology as Pedagogy</li> <li>▪ ED 351: Seminar</li> <li>▪ ED 357: Curr. &amp; Assessment</li> <li>▪ ED 389: Content Area Instruction</li> </ul> BIO: Upper-Level Biology** BIO Seminar or Research (Bio 493 or Bio 495) NS 490: Scientific Endeavor	  2 0 3 3  4 1 3 <hr/> 16
<b>Senior Fall</b>	<b>CR</b>	<b>Senior Spring</b>	<b>CR</b>
<b>ED BLOCK 3:</b> <i>Integrated Field Experience</i> <ul style="list-style-type: none"> <li>▪ ED 450: Seminar</li> <li>▪ ED 460: Literacy in Content Areas</li> <li>▪ ED 470: Home, School, Community</li> <li>▪ SPED 440: Lrng. Exceptionalities</li> </ul> THEOLOGY Four Additional Biology Credits (Bio 290-498) BIO Seminar or Research (Bio 493 or 495)	0 3 3 3 3 4 1 <hr/> 17	<b>ED BLOCK 4:</b> <i>Student Teaching</i> <ul style="list-style-type: none"> <li>▪ (ED 459 or SPED 449)</li> <li>▪ ED 451: Seminar</li> <li>▪ ED 452: Seminar</li> </ul>	12 1 1 <hr/> 14

\* Intermediate-Level Biology Courses (Bio 290-380) \*\* Upper Level Biology Courses (Bio 420-490) must include Bio 440 and Bio 460. Bio 493 (Immunology) is required as a Bio 493 Seminar in Biology choice.