

# Sample Four-year Plan for Science Education

Note: The four-year plan is for example purposes only. Students should refer to the catalog in effect upon their entry to Viterbo for more specifics on requirements of the core curriculum, major, and degree. Also, some courses have certain semester rotations that may or may not be reflected below. Your advisor will assist you with actual registration planning to accommodate these rotations. For complete information, see the current undergraduate catalog.

Fall Semester – First Year		Spring Semester – First Year	
ENGL 103/104/105 – CCF Written Communication	3–4	ENGL 104/105/195 – CCF Written Communication	3–4
BIOL 160/161 – General Biology (CCWOT Natural Science)	4	VUSM FVT – Franciscan Values and Traditions	3
CHEM 120 – General Chemistry I <sup>1</sup>	4	BIOL 160/161 – General Biology	4
EDUC 150 – Introduction to Education	2	CHEM 121 – General Chemistry II	4
MATH 230 – Statistics (CCF Quantitative Literacy)	4	EDUC 215 – Educational Psychology (CCF Oral Communication)	3
<b>TOTAL CREDITS</b>	<b>17–18</b>	<b>TOTAL CREDITS</b>	<b>17–18</b>
Fall Semester – Second Year		Spring Semester – Second Year	
PSYC 310 – Child and Adolescent Psychology (CCWOT Social Sciences)	3	CCWOT (Recommend Theological Inquiry)	3
CCWOT (Recommend Historical Inquiry)	3	CCWOT (Recommend Philosophical Inquiry)	3
BIOL 250 – Cell and Molecular Biology	4	BIOL 251 – Ecology and Evolution (CCF Written Communication II)	4
EDUC 255 – Curriculum, Instruction, and Assessment	3	EDUC 306 – Disability and the Inclusive Classroom	3
ESCI 103 – Earth Science or PHYS 102 – Physical Science	4	EDUC 316 – Technology-Enhanced Instruction	2
<b>TOTAL CREDITS</b>	<b>17</b>	<b>TOTAL CREDITS</b>	<b>15</b>
Fall Semester – Third Year		Spring Semester – Third Year	
VUSM SCG – Serving the Common Good	3	CCWOT (Recommend Integrating Faith and Practice)	3
CHEM 240 – Organic Chemistry I	4	CCWOT (Recommend Literary Analysis) <sup>4</sup>	3
EDUC 330 – Secondary Disciplinary Literacy Practices	3	EDUC 302– Diverse Learners K–12 (VUSM LDW – Living in a Diverse World)	3
PHYS 250/260/270 – University Physics I and Lab <sup>2</sup>	4	EDUC 390 – Positive Classroom Environment 4–12	3
Biology or Chemistry Elective <sup>3</sup>	3	PHYS 251/261 and 271 – University Physics II and Lab	4
<b>TOTAL CREDITS</b>	<b>17</b>	<b>TOTAL CREDITS</b>	<b>16</b>
Fall Semester – Fourth Year		Spring Semester – Fourth Year	
VUSM TEL – The Ethical Life	3	EDUC 459 – Student Teaching	9
CCWOT (Recommend Artistic Engagement)	3	EDUC 482 – Student Teaching Seminar	2
EDUC 300 – Techniques of Secondary Methodology	3	EDUC 483 – Professional Portfolio Development	2
ENVS 101 – Environmental Science	4		
Biology or Chemistry Elective <sup>3</sup>	3		
<b>TOTAL CREDITS</b>	<b>16</b>	<b>TOTAL CREDITS</b>	<b>13</b>

## NOTES:

<sup>1</sup>MATH 112 – College Algebra is a pre-requisite for CHEM 120 – General Chemistry I

<sup>2</sup>MATH 113 – Trigonometry is a pre-requisite for PHYS 250 – General Physics I, MATH 220 – Calculus I is a prerequisite for PHYS 260 – University Physics I

<sup>3</sup>Six credits of upper division (300/400) biology or chemistry electives required.

<sup>4</sup>Literary Analysis – Recommend EDUC 280 – Child and Adolescent Literature

## ADDITIONAL REQUIREMENTS:

- See catalog for GPA requirements, admissions to Teacher Education Program, and admission to Student Teaching and other graduation requirements.
- Students must earn a minimum of 120 semester credits, 40 semester credits must be upper division (courses with 300/400 number).
- Students must earn a minimum grade point average of 3.0 in major course requirements.
- Students must pass the Professional Portfolio process as determined by the education department prior to licensure.