

B.A. in Science Education 9-12 (Life Science Emphasis) Enhanced Academic Plan

B.A. in Science Education 9-12 (Life Science Emphasis) - CWILT

Recommended Courses				
Fall Semester 1	Interim Semester 1	Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
BIO 122 & BIO 122D Introduction to Organismic Biology and Introduction to Organismic Biology Lab CHE 113 & CHE 113D General Chemistry I and General Chemistry II Lab GES 130 Christianity Western Culture GES 140 Introduction to Wellbeing	GES 160 Inquiry Seminar	BIO 126 & BIO 127 Integrative Biology and Global Health and Integrative Biology and Global Health Lab CHE 214 & CHE 215 General Chemistry II and General Chemistry II Lab GES 125 Introduction to the Creative Arts BIB 101 Introduction to the Bible	PHASE 1: EXPLORE <i>Explore self, careers, & God's call</i> Take a Career Assessment Research Careers: O'Net, Candid Careers, & informational interviews w/ Alumni Gain Experience: Part-time job; Campus Involvement (e.g. student club); Volunteering	Create your R.E.A.L. Portfolio Consider joining a club or ministry of interest Consider finding a mentor
15		3	15	
MILESTONES: Consider study abroad options				
Recommended Courses				
Fall Semester 2	Interim Semester 2	Spring Semester 2	Career Planning and Preparation	R.E.A.L. Experience
BIO 120 & BIO 121 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab BIO 380 & BIO 383 Environmental Plant Biology and Environmental Plant Biology Lab Leisure and Lifetime Sport (Q) course Contemporary Western Life and Thoughts (L) course	World Cultures (U) course	BIO 238 & BIO 239 Human Anatomy and Physiology and Human Anatomy and Physiology Lab EDU 200 Introduction to Education EDU 201 Introduction to Education Field Experience Math choice: MAT123M, MAT124M, PSY230M, Calculus 1, Introduction to Statistical Methods and Experimental Design Second Language (S) course*1	PHASE 1&2: EXPLORE/EXPERIENCE <i>Finalize major if necessary & begin gaining experience</i> Create/update Resume & LinkedIn Build professional network (e.g. informational interviews) Attend Spring Career Fair Obtain Internship or relevant job by summer	Continue adding artifacts and reflections to your R.E.A.L. Portfolio. Consider taking a leadership position with a student club. Consider going on a spring break mission trip.
12		3	16	
MILESTONES: Consider doing an online course over the summer				
Recommended Courses				
Fall Semester 3	Interim Semester 3	Spring Semester 3	Career Planning and Preparation	R.E.A.L. Experience
BIO 399 Introduction to Research THE 201 Christian Theology EDU 317GZ Educational Equity PHY 102 & PHY 102D Physics of Everyday Life and Physics of Everyday Life-Lab Science, Technology & Society (K) course	Interpreting Biblical Themes (J) course	BIO 4952 Biology Seminar BIO 354 & BIO 355 Cell Biology and Cell Biology Lab EDU 203 School Health and Drugs EDU 240 Educational Psychology EDU 241 Educational Psychology Field Experience EDU 320 Pedagogy and the Young Adolescent Learner EDU 321 Integrated Literacy in the Content Areas	PHASE 2: EXPERIENCE <i>Use experineces to narrow down career choice & develop relevant skills</i> Participate in Fall & Spring Recruiting to obtain an internship Schedule a Mock Interview Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary Expand Professional Network	Review your R.E.A.L. Portfolio and prepare to make it public. Consider studying abroad. Consider applying for a Student Leadership Position in Student Life. Consider being a TA for a favorite class.
1-14		3	13	
MILESTONE: A minimum 3.2 GPA in your major is a good goal to strive for				
Recommended Courses				
Fall Semester 4	Interim Semester 4	Spring Semester 4	Career Planning and Preparation	R.E.A.L. Experience
BIO 496 Biology Research BIO 332 & BIO 333 Genetics and Genetics Lab EDU 420 Methods in Teaching 5-12 Science EDU 429 Science Education Practicum in Grades 5-8 or 5-12 Artistic Experience (A) course Contemporary Christian Issues (P) course	Interim Off	EDU 490 Student Teaching Block BIO 499 Biology Symposium	PHASE 3: EXECUTE <i>Execute an effective job or grad school search</i> Participate in Fall and Spring Recruiting Apply for Graduate School if necessary Expand Professional Network	Continue updating your public R.E.A.L. Portfolio with relevant experiences and reflection. Consider mentoring an underclassman.
12-15		0	15	
Total Credits: 122-125				
*1 Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)				
2. May be taken in fall of senior year.				
3. The Education Department offers an interim trip that meets the U requirement - EDU 236UZ. See Education Abroad Options.				
See Education section of catalog for testing requirements.				
This program assumes a student will use BIO 122D, EDU 317GZ, and math course to meet the general education Laboratory Science, Comparative Systems, and Math requirements.				
Most financial aid packages stipulate 12 credits/semester; Minnesota state grants are reduced when credit load falls below 15 credits/semester. (Interim credits may be split between fall and spring for state grant purposes only.)				

B.A. in Science Education 9-12 (Life Science Emphasis) Enhanced Academic Plan

B.A. in Science Education 9-12 (Life Science Emphasis) - Humanities

Recommended Courses				
Fall Semester 1	Interim Semester 1	Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
BIO 122 & BIO 122D Introduction to Organismic Biology and Introduction to Organismic Biology Lab CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab GES 145 Humanities I: Greco-Roman through Middle Ages GES 140 Introduction to Wellbeing 15	GES 147 Humanities II: Renaissance and Reformation 4	BIO 126 & BIO 127 Integrative Biology and Global Health and Integrative Biology and Global Health Lab CHE 214 & CHE 215 General Chemistry II and General Chemistry II Lab GES 244 Humanities III: European Enlightenment and American Culture to 1877 BIB 101 Introduction to the Bible 15	PHASE 1: EXPLORE <i>Explore self, careers, & God's call</i> Take a Career Assessment Research Careers: O*Net, Candid Careers, & informational interviews w/ Alums Gain Experience: Part-time job; Campus Involvement (e.g. student club); Volunteering	Create your R.E.A.L. Portfolio Consider joining a club or ministry of interest Consider finding a mentor

MILESTONES: Consider study abroad options

Recommended Courses				
Fall Semester 2	Interim Semester 2	Spring Semester 2	Career Planning and Preparation	R.E.A.L. Experience
BIO 120 & BIO 121 Introduction to Molecular and Cellular Biology and Introduction to Molecular and Cellular Biology Lab BIO 380 & BIO 383 Environmental Plant Biology and Environmental Plant Biology Lab GES 246 Humanities IV: Modern and Contemporary Western Culture 12	World Culture (U) course 3 3	BIO 238 & BIO 239 Human Anatomy and Physiology and Human Anatomy and Physiology Lab EDU 200 Introduction to Education EDU 201 Introduction to Education Field Experience Math choice: MAT123M, MAT124M, PSY230M , Calculus 1, Second Language (S) course*1 16	PHASE 1&2: EXPLORE/EXPERIENCE <i>Finalize major if necessary & begin gaining experience</i> Create/update Resume & LinkedIn Build professional network (e.g. informational interviews) Attend Spring Career Fair Obtain Internship or relevant job by summer	Continue adding artifacts and reflections to your R.E.A.L. Portfolio. Consider taking a leadership position with a student club. Consider going on a spring break mission trip.

MILESTONES: Consider doing an online course over the summer

Recommended Courses				
Fall Semester 3	Interim Semester 3	Spring Semester 3	Career Planning and Preparation	R.E.A.L. Experience
BIO 399 Introduction to Research EDU 317GZ Educational Equity PHY 102 & PHY 102D Physics of Everyday Life and Physics of Everyday Life-Lab Science, Technology & Society (K) course Leisure and Lifetime Sport (Q) course 12	Interpreting Biblical Themes (J) course 3	BIO 4952 Biology Seminar BIO 354 & BIO 355 Cell Biology and Cell Biology Lab EDU 203 School Health and Drugs EDU 320 Pedagogy and the Young Adolescent Learner EDU 321 Integrated Literacy in the Content Areas EDU 240 Educational Psychology EDU 241 Educational Psychology Field Experience 13	PHASE 2: EXPERIENCE <i>Use experiences to narrow down career choice & develop relevant skills</i> Participate in Fall & Spring Recruiting to obtain an internship Schedule a Mock Interview Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary Expand Professional Network	Review your R.E.A.L. Portfolio and prepare to make it public. Consider studying abroad. Consider applying for a Student Leadership Position in Student Life. Consider being a TA for a favorite class.

MILESTONE: A minimum 3.2 GPA in your major is a good goal to strive for

Recommended Courses				
Fall Semester 4	Interim Semester 4	Spring Semester 4	Career Planning and Preparation	R.E.A.L. Experience
BIO 496 Biology Research BIO 332 & BIO 333 Genetics and Genetics Lab EDU 420 Methods in Teaching 5-12 Science EDU 429 Science Education Practicum in Grades 5-8 or 5-12 Artistic Experience (A) course Contemporary Christian Issues (P) course 14-15	Interim Off 0	EDU 490 Student Teaching Block BIO 499 Biology Symposium 15	PHASE 3: EXECUTE <i>Execute an effective job or grad school search</i> Participate in Fall and Spring Recruiting Apply for Graduate School if necessary Expand Professional Network	Continue updating your public R.E.A.L. Portfolio with relevant experiences and reflection. Consider mentoring an underclassman.

Total Credits: 122-123

*1 Students must complete through the second semester of a first year language course or equivalent (Check the catalog for details of this option.)

2. May be taken in fall of senior year.

3. The Education Department offers an interim trip that meets the U requirement - EDU 236UZ. See Education Abroad Options.

See Education section of catalog for testing requirements.

This program assumes a student will use BIO 122D, EDU 317GZ, and math course to meet the general education Laboratory Science, Comparative Systems, and Math requirements.

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