

B.A. in Physics Enhanced Academic Plan

B.A. in Physics - CWILT				
Recommended Courses				
Fall Semester 1	Interim Semester 1	Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
PHY 292 & PHY 292D General Physics I and General Physics I Lab MAT 124M Calculus 1	GES 160 Inquiry Seminar	PHY 296 & PHY 297 General Physics II and General Physics II Lab MAT 125 Calculus 2	<u>PHASE 1: EXPLORE</u> <i>Explore self, careers, & God's call</i>	Create your R.E.A.L. Portfolio. Consider joining Chemistry Club, Sigma Zeta, or another club or ministry of interest.
BIB 101 Introduction to the Bible GES 140 Introduction to Wellbeing		GES 130 Christianity Western Culture Leisure and Lifetime Sport (Q) course	Take a Career Assessment Research Careers: O*Net, Candid Careers, & informational interviews w/ Alums	Consider finding a mentor.
14	3	13	Gain Experience: Part-time job; Campus Involvement (e.g. student club); Volunteering	
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
PHY 302 & PHY 303 Electronics and Electronics Lab PHY 260 Careers in Engineering and Physics Seminar MAT 223 Multivariable Calculus GES 125 Introduction to the Creative Arts Elective	Contemporary Western Life and Thought (L) course	PHY 312 & PHY 313 Modern Physics and Modern Physics Lab MAT 222 Differential Equations World Cultures (U) course Second Language (S) course*1	<u>PHASE 1&2: EXPLORE/EXPERIENCE</u> <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.
15	3	1-13		
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
PHY 320 Mathematical Methods in Physics and Engineering THE 201 Christian Theology Comparative Systems (G) course Elective	Cross-Cultural Experience (Z) course	PHY 300- or 400- Elective*2 Physics elective- 300 or 400 level course or Electricity and Magnetism Electives	<u>PHASE 2: EXPERIENCE</u> <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.
16	2	14		
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
PHY 300- or 400- Elective*2 Interpreting Biblical Themes (J) course Elective (Physics course recommended) Elective	Interim Off	PHY 300- or 400-level Elective*2 Contemporary Christian Issues (P) course Elective (Science course recommended) Elective Artistic Experience (A) course	<u>PHASE 3: EXECUTE</u> <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.
14	0	14-17		
Total Credits: 122-125				
1. Students must complete through the second semester of a first year language course or equivalent.				
2. One course must be PHY332/333, PHY423/433 or PHY490				
This program assumes a student will us MAT124M and PHY292/292D to meet the general education Mathematics and Laboratory Science requirements.				
Most financial aid packages stipulate 12 credits/semester; Minnesota state grants 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 Physics Enhanced Academic Plan

B.A. in Physics - Humanities						
Fall Semester 1		Recommended Courses Interim Semester 1		Spring Semester 1	Career Planning and Preparation	R.E.A.L. Experience
PHY 292 & PHY 292D General Physics I and General Physics I Lab		GES 147 Humanities II: Renaissance and Reformation		PHY 296 & PHY 297 General Physics II and General Physics II Lab	<u>PHASE 1: EXPLORE</u>	Create your R.E.A.L. Portfolio
MAT 124M Calculus 1				MAT 125 Calculus 2	<i>Explore self, careers, & God's call</i>	Consider joining Chemistry Club, Sigma Zeta, or another club or ministry of interest.
GES 145 Humanities I: Greco-Roman through Middle Ages				GES 244 Humanities III: European Enlightenment and American Culture to 1877	Take a Career Assessment	Consider finding a mentor
GES 140 Introduction to Wellbeing				BIB 101 Introduction to the Bible	Research Careers: O*Net, Candid Careers, & informational interviews w/ Alums	
	15		4		15	Gain Experience: Part-time job; Campus Involvement (e.g. student club); Volunteering
MILESTONES: Consider study abroad options						
Fall Semester 2		Recommended Courses Interim Semester 2		Spring Semester 2	Career Planning and Preparation	R.E.A.L. Experience
PHY 302 & PHY 303 Electronics and Electronics Lab		Elective		PHY 312 & PHY 313 Modern Physics and Modern Physics Lab	<u>PHASE 1&2: EXPLORE/EXPERIENCE</u>	Continue adding artifacts and reflections to your R.E.A.L. Portfolio.
PHY 260 Careers in Engineering and Physics Seminar				MAT 222 Differential Equations	<i>Finalize major if necessary & begin gaining experience</i>	Consider taking a leadership position with a student club.
MAT 223 Multivariable Calculus				World Cultures (U) course	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
GES 246 Humanities IV: Modern and Contemporary Western Culture				Second Language (S) Course	Build professional network (e.g. informational interviews)	
					Attend Spring Career Fair	
	12		3		14	Obtain Internship or relevant job by summer
MILESTONES: Consider doing an online course over the summer						
Fall Semester 3		Recommended Courses Interim Semester 3		Spring Semester 3	Career Planning and Preparation	R.E.A.L. Experience
PHY 320 Mathematical Methods in Physics and Engineering		Cross Cultural Experience (Z) course		PHY 300- or 400-level Elective*2	<u>PHASE 2: EXPERIENCE</u>	Review your R.E.A.L. Portfolio and prepare to make it public.
Comparative Systems (G) course				Leisure and Lifetime Sports (Q) course	<i>Use experiences to narrow down career choice & develop relevant skills</i>	Consider studying abroad.
Electives				Elective (Physics course recommended)	Participate in Fall & Spring Recruiting to obtain an internship	Consider applying for a Student Leadership Position in Student Life.
				Elective	Schedule a Mock Interview	Consider being a TA for a favorite class.
					Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary	
	13		3		15	Expand Professional Network
MILESTONE: A minimum 3.2 GPA in your major is a good goal to strive for						
Fall Semester 4		Recommended Courses Interim Semester 4		Spring Semester 4	Career Planning and Preparation	R.E.A.L. Experience
PHY 300- or 400-level elective*2 or Electricity and Magnetism		Interim Off		PHY 300- or 400-level elective or Electricity and Magnetism	<u>PHASE 3: EXECUTE</u>	Continue updating your public R.E.A.L. Portfolio with relevant experiences and reflection.
Interpreting Biblical Themes (J) course				Contemporary Christian Issues (P) course	<i>Execute an effective job or grad school search</i>	Consider mentoring an underclassman.
Elective (Physics course recommended)				Elective (Science course recommended)	Participate in Fall and Spring Recruiting	
Elective				Elective	Apply for Graduate School if necessary	
				Artistic Experience (A) course	Expand Professional Network	
	1-13		0		14-17	
Total Credits: 122-125						
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