5.00	Recommended Courses		Career Planning and Preparation	R.E.A.L. Experience
Fall Semester 1	Interim Semester 1	Spring Semester 1		
HY 292 & PHY 292D General Physics I and General hysics I Lab	GES 125 Introduction to the Creative Arts	PHY 296 & PHY 297 General Physics II and General Physics II Lab	PHASE 1: EXPLORE	Create your R.E.A.L. Portfolio
IAT 124M Calculus 1		MAT 125 Calculus 2	Explore self, careers, & God's call	Consider joining a club or ministry of interest
IB 101 Introduction to the Bible		GES 130 Christianity Western Culture	Take a Career Assessment	Consider finding a mentor
ES 140 Introduction to Wellbeing		GES 160 Inquiry Seminar	Research Careers: O*Net, Candid Careers, & informational	Consider linding a mentor
<u> </u>			interviews w/ Alums Gain Experience: Part-time job; Campus Involvement (e.g.	
14		4 1	student club); Volunteering	
		MILESTONES: Consider study abroad options		
		MILESTONES: Consider study abroad options		
				R.E.A.L. Experience
OS 205 Scientific Computing	THE 201 Christian Theology	MAT 222 Differential Equations	PHASE 1&2: EXPLORE/EXPERIENCE	Continue adding artifacts and reflections to your R.E. Portfolio.
AT 223 Multivariable Calculus		PHY 312 & PHY 313 *3 Modern Physics and Modern Physics Lab	Finalize major if necessary & begin gaining experience	Consider taking a leadership position with a student
NR 260 Careers in Engineering and Physics Seminar		ENR 352 & ENR 353m (or elective)*2 Computer Methods in Physics and EngineeringComputer Methods in Physics and Engineering Lab	Create/update Resume & LinkedIn	Consider going on a spring break mission trip.
HY 302 & PHY 303 *3 Electronics and Electronics Lab		Contemporary Western Life and Thought (L) course	Build professional network (e.g. informational interviews)	
econd Language (S) course*1			Attend Spring Career Fair	
15		3	4 Obtain Internship or relevant job by summer	
		MILESTONES: Consider doing an online course over the su	mmer	
	Recommended Courses			
Fall Semester 3	Interim Semester 3	Spring Semester 3	Career Planning and Preparation	R.E.A.L. Experience
HE 113 & CHE 113D General Chemistry I and General hemistry I Lab	Comparative Systems (G) course	Science, Technology, and Society (K) course	PHASE 2: EXPERIENCE	Review your R.E.A.L. Portfolio and prepare to make i
NR 320 *3 Mathematical Methods in Physics and ngineering		Contemporary Christian Issues (P) course	Use experiences to narrow down career choice & develop relevant skills	Consider studying abroad.
/orld Cultures (U) course		Interpreting Biblical Themes (J) course	Participate in Fall & Spring Recruiting to obtain an	Consider applying for a Student Leadership Position
IAT 344 (or elective)*2 Numerical Methods		Electives (Physics or Engineering course recommended)	internship Schedule a Mock Interview	Student Life. Consider being a TA for a favorite class.
ross-Cultural Experience (Z) course		Artistic Experience (A) course	Explore Grad Schools & Take Entrance Exams (e.g. GRE)	Consider being a 1711er a lavelike slade.
		Table Expension (1) obtains	if necessary	
eisure and Lifetime Sports (Q) course			Expand Professional Network	
15-18		3 14-1		
	М	IILESTONE: A minimum 3.2 GPA in your major is a good goal to	o strive for	
Recommended Courses			Covery Blanning and Branavation	DEAL Superiors
Fall Semester 4	Interim Semester 4	Spring Semester 4	Career Planning and Preparation	R.E.A.L. Experience
redits from an accredited university engineering program			PHASE 3: EXECUTE	Continue updating your public R.E.A.L. Portfolio with relevant experiences and reflection.
			Execute an effective job or grad school search	Consider mentoring an underclassman.
			Participate in Fall and Spring Recruiting	Consider memering an anadroideeman.
			Apply for Graduate School if necessary	
25			Expand Professional Network	
otal Credits: 122-128		<u>'</u>	<u> </u>	
	first year language course or equivalent (Check the o	catalog for details of this option.)		

Chemical Engineers must choose General Chemistry II, Organic Chemistry I & II.

This program assumes a student will use PHY 292/PHY 292D andMAT 124M to meet the general education Laboratory Science and Mathematics requirements.

This is a dual-degree Engineering program. It must be completed at a university which offers engineering degrees.

Students receive their Bethel degree with an Engineering major only upon completion of the engineering degree at the other school.

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 Engineering - Humanities

	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	GES 147 Humanities II: Renaissance and Reformation	PHY 296 & PHY 297 General Physics II and General Physics II	· ·	
Lab MAT 124M Calculus 1		Lab MAT 125 Calculus 2	PHASE 1: EXPLORE	Create your R.E.A.L. Portfolio
			Explore self, careers, & God's call	Consider joining a 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		Second Language (S) course*1	Research Careers: O*Net, Candid Careers, & informational interviews	
			w/ Alums Gain Experience: Part-time job; Campus Involvement (e.g. student	
			club); Volunteering	
15	5	4 15		
		MILESTONES: Consider study abroad options		
Fall Semester 2	Interim Semester 2	Spring Semester 2	Career Planning and Preparation	R.E.A.L. Experience
COS 205 Scientific Computing	World Cultures (U) course	MAT 222 Differential Equations	PHASE 1&2: EXPLORE/EXPERIENCE	Continue adding artifacts and reflections to your R.E.A.L. Portfolio.
MAT 223 Multivariable Calculus		PHY 312 & PHY 313 *3 Modern Physics and Modern Physics		Consider taking a leadership position with a student club.
PHY 302 & PHY 303 *3 Electronics and Electronics Lab		Lab ENR 352 & ENR 353 (or elective)*2 Computer Methods in	Finalize major if necessary & begin gaining experience	Consider going on a spring break mission trip.
1111 302 & 1111 303 3 Electronics and Electronics Eab		Physics and EngineeringComputer Methods in Physics and		Consider going on a spring break mission trip.
GES 246 Humanities IV: Modern and Contemporary Western		Engineering Lab BIB 101 Introduction to the Bible	Create/update Resume & LinkedIn	
Culture		DID TOT INITIOUS CONT. TO THE DIDIC	Build professional network (e.g. informational interviews)	
ENR 260 Careers in Engineering and Physics Seminar			Attend Spring Career Fair	
15	5	3		
		MILESTONES: Consider doing an online course over the sumn		
	Recommended Courses			
Fall Semester 3	Interim Semester 3	Spring Semester 3	Career Planning and Preparation	R.E.A.L. Experience
CHE 113 & CHE 113D General Chemistry I and General Chemistry I Lab	Comparative Systems (G) course	Science, Technology, and Society (K) course	PHASE 2: EXPERIENCE	Review your R.E.A.L. Portfolio and prepare to make it public.
ENR 320 *3 Mathematical Methods in Physics and Engineering		Contemporary Christian Issues (P) course	Use experiences to narrow down career choice & develop	Consider studying abroad.
Lifetime and Leisure Sports (Q) course		Interpreting Biblical Themes (J) course	relevant skills	Consider applying for a Student Leadership Position in Studen
MAT 344 (or elective)*2 Numerical Methods		Electives (Physics or Engineering course recommended)	Participate in Fall & Spring Recruiting to obtain an internship	Life. Consider being a TA for a favorite class.
<u> </u>			Schedule a Mock Interview	Consider being a TA for a layonte class.
Cross-Cultural Experience (Z) course		Artistic Experience (A) course	Explore Grad Schools & Take Entrance Exams (e.g. GRE) if necessary	
Electives				
15-18	1	3 12-15	Expand Professional Network	
		ESTONES: A minimum 3.2 GPA in your major is a good goal to	strive for	
	Recommended Courses		Carear Planning and Dranavation	R.E.A.L. Experience
Fall Semester 4 Credits from an accredited university engineering program	Interim Semester 4	Spring Semester 4	Career Planning and Preparation PHASE 3: EXECUTE	Continue updating your public R.E.A.L. Portfolio with relevant
			Execute an effective job or grad school search	experiences and reflection.
				Consider mentoring an underclassman.

Total Credits: 122-128

3. Electives choices depend on area of engineering interest. At least 12 credits must be chosen from Electronics, Modern Physics, Mathematical Methods in Physics & Engineering, Mechanics, Fluid Mechanics, Topics in Applied Physics, Statistics, and Mechanics of Materials, Probability and Statistics. Chemical Engineers must choose General Chemistry II, Organic Chemistry II & II.
This program assumes a student will use PHY 292D andMAT 124M to meet the general education Laboratory Science and Mathematics requirements.
This is a dual-degree Engineering program. It must be completed at a university which offers engineering degrees.
Students receive their Bethel degree with an Engineering major only upon completion of the engineering degree at the other school.
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.)

Participate in Fall and Spring Recruiting Apply for Graduate School if necessary

Expand Professional Network

25