

ELECTRICAL ENGINEERING ADVISING WORKSHEET (40 courses required)

Name: _____ Year _____ Advisor _____

Math and Science

OR {

MTH 110* MTH 112* MTH 115 MTH 117

PHY120 PHY121

*This is one of three possible calculus sequences, depending upon math placement

IMP111 (1.5) IMP112 (1.5) IMP113 (2)

MTH130

one science elective 100 or higher CHM101, PHY122, PHY123 recommended

one math or science 100 or higher

Engineering and CS

ESC100

one course from CSC103-109

one engineering course MER, BNG, ESC or Environmental engineering are recommended

EE Core

ECE118 ECE225 ECE240 ECE241 ECE248

ECE343 ECE350 ECE351 ECE363 ECE366

EE Electives

 3 ECE courses 300 or higher**

Capstone

ECE497 (1/2) ECE498 (1/2) ECE499

Free Electives

(added to lead to at least 40 total course credits)

 up to 7 electives depending upon core components chosen

**Students may also enroll in graduate engineering courses offered through Union Graduate College.

General Education: See the EE General Education Worksheet

General Education Advising Worksheet for EE Majors

Class of 2010 and beyond

Gen Ed advising on the web at: <http://www.advising.union.edu/>

Part A	<input type="checkbox"/> FYP	<input type="checkbox"/> SRS	First-Year Preceptorial and Sophomore Research Seminar							
Part B			<input type="checkbox"/>	<u>Social Sciences</u> - Any Course from ANT, ECO, HST, PSC, PSY or SOC						
			<input type="checkbox"/>	<input type="checkbox"/>	<u>Humanities</u> - Any Course from AAH, AMU, ATH, AVA, CLS, EGL, MLL, or PHL (At least one must be a Lit course)					
			<input type="checkbox"/>	<input type="checkbox"/>	<u>Linguistics and Cultural Competency</u>					
			<input type="checkbox"/>	PHY120 or IMP111	<u>Natural Sciences with Lab</u>					
			<input type="checkbox"/>	PHY121 or IMP112	<u>Science or Science/Technology</u>					
			<input type="checkbox"/>	MTH130	<u>Quantitative and Mathematical Reasoning</u>					
Part C	<i>May double count with Part B</i> Cluster web site: www.union.edu/Academics/id_studies/clusters/				<u>Cluster</u> - Three courses from at least two departments plus any additional cluster requirements, OR an ID or OT minor.					
			<input type="checkbox"/>	ESC100	<input type="checkbox"/>	CSC10x	<input type="checkbox"/>	ECE118		
WAC/WS					<u>Writing Across the Curriculum</u> - Five WAC credits in at least two Divisions					
			<input type="checkbox"/>	ECE240	<input type="checkbox"/>	ECE241	<input type="checkbox"/>	ECE343	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	ECE499	<u>Senior Writing Experience</u>					

Some Aspects to Consider

For Gen Ed (Parts A, B and C), you will take between 10 and 13 Courses.

You can double-count courses taken in Part B with Part C, but you are required to take at least 10 courses in total to complete the Gen Ed Requirements.

You may also satisfy any of the requirements in Parts B and C with appropriate course taken on terms abroad.

You may count one Cluster course towards your major. Cognate courses outside the major department (science, math, ESC100) can also be used in clusters. The SRS may not count towards a major.

Union College EE Course Planning Guide



Name:		Graduation year:	20__
Student ID:		Box number:	
e-mail:		Voice mail:	

Advisor History		Advisor dates:	From	To
Advisor 1				
Advisor 2				
Advisor 3				

Note: All ECE courses are offered only once per year and should be taken **no later** than the indicated term.

Course History / Plan				
Year	Fall Term	Winter Term	Spring Term	Summer Term
Freshman Year	ESC100	MTH112	MTH115	
	MTH110	PHY120	PHY121	
		CSC103-109		
Sophomore Year	ECE118	ECE240	ECE241	
	ECE225	MTH130	ECE248	
		engineering elective	MTH117	
Junior Year	TERM ABROAD	ECE343	ECE350	
		ECE366	ECE497 (1/2)	
		SCI elective	MTH/SCI elective	
Senior Year	ECE351	ECE499	ECE elective	
	ECE363	ECE elective		
	ECE498 (1/2)			
	ECE elective			

Record of Major / Minor				
Date	Department or Program?	Major or Minor?	Leaning	Declared

For the New Gen Ed and WAC descriptions, see <http://www.advising.union.edu>

Core Components Curriculum		Course	Date	WAC Courses	
Part A	FYP			WAC	ECE240
Core	Soph Res. Seminar			WAC	ECE241
Part B	Soc Sci			WAC	ECE343
Distribution	Hum (Lit)			WAC	
	Hum			WAC	
	Lang/Culture 1			WS	ECE499
	Lang/Culture 2				
	QMR - Science	PHY120 or IMP111			
	QMR - Math	PHY121 or IMP112			
	QMR	MTH130			
Part C	Cluster title:	Design			
Cluster	Cluster 1	ESC100			
	Cluster 2	CSC10x			
	Cluster 3	EER118			

Comments? (Y or N)
(Put a Y above to indicate the presence of comments on the "Comments" tab.)

revised 10/2009