

**COMPUTER ENGINEERING ADVISING WORKSHEET (40 courses required)**

Name: \_\_\_\_\_ Year \_\_\_\_\_ Advisor \_\_\_\_\_

**Math and Science**

OR {  MTH 110\*  MTH 112\*  MTH 115  PHY120  PHY121  
\*This is one of three possible calculus sequences, depending upon math placement  
 IMP111 (1.5)  IMP112 (1.5)  IMP113 (2)

MTH130

MTH 197 OR MTH199

one math elective \*MATH 117, 127, 138, 221, 235 or 340

\*MTH117 may be taken only students who did not take IMP113

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

**Engineering Science**

ESC100

**CpE Core**

ECE118  ECE225  ECE240

ECE241  ECE248  ECE351

one from CSC103-109

CSC150  CSC250  CSC260  CSC270

CSC333 OR CSCS335

ECE318  ECE336 or 337  ECE352

**CpE Electives**

3 CSC or ECE courses 300 or higher\*\*

**Capstone Design**

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

**Free Electives**

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

up to 3 electives depending upon core components chosen

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

# General Education Advising Worksheet for CpE Majors

Class of 2010 and beyond

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

<b>Part A</b>	<input type="checkbox"/> FYP	<input type="checkbox"/> SRS	First-Year Preceptorial and Sophomore Research Seminar		
<b>Part B</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>		
<b>Part C</b>	<i>May double count with Part B</i>		<u>Cluster</u> - Three courses from at least two departments plus any additional cluster requirements, OR an ID or OT minor. Cluster web site: <a href="http://www.union.edu/Academics/id_studies/clusters/">www.union.edu/Academics/id_studies/clusters/</a>		
	<input type="checkbox"/> ESC100	<input type="checkbox"/> CSC10x	<input type="checkbox"/> ECE118		
<b>WAC/WS</b>			<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"/> ECE318	<input type="checkbox"/> CSC250	<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 CpE 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 and most CSC courses are offered only once per year and should be taken **no later** than the indicated term.

Course History / Plan				
Freshman Year	Fall Term	Winter Term	Spring Term	Summer Term
Year:	ESC100	MTH112	MTH115	
	MTH110	PHY120	PHY121	
		CSC103-109		
Sophomore Year	Fall Term	Winter Term	Spring Term	Summer Term
Year:	ECE118	CSC150	CSC250	
	ECE225	ECE240	ECE241	
	MTH 197 or 199	MTH130		
Junior Year	Fall Term	Winter Term	Spring Term	Summer Term
Year:	TERM ABROAD	CSC260	CSC335	
		CSC270	ECE/CSC352	
		ECE/CSC318	ECE497 (1/2)	
			SCI elective	
Senior Year	Fall Term	Winter Term	Spring Term	Summer Term
Year:	ECE351	ECE499	ECE248	
	ECE/CSC 336 or 337	ECE/CSC elective	ECE/CSC elective	
	ECE498 (1/2)		MTH elective	
	ECE/CSC 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	
<b>Part A</b>	FYP			WAC	ECE240
Core	Soph Res. Seminar			WAC	ECE241
<b>Part B</b>	Soc Sci			WAC	ECE318
Distribution	Hum (Lit)			WAC	CSC250
	Hum			WAC	
	Lang/Culture 1			WS	ECE499
	Lang/Culture 2				
	QMR - Science	PHY120 or IMP111			
	QMR - Math	PHY121 or IMP112			
	QMR	MTH130			
<b>Part C</b>	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