

# Computer Engineering (CpE) 201010 2009-2010 Work/Check Sheet - 128 Crs

Name _____, + _____	Number	Date
<b>Freshman Year</b>		
<b>Recommended Schedule</b>		
<b>First Semester</b>		
EAS 101 Computing, Engineering & Society	1	<input type="text"/>
ENG 111 College Composition (MPF I)	3	<input type="text"/>
MTH 151 Calculus I	5	<input type="text"/>
PHY 181 Physics I	4	<input type="text"/>
PHY 183 Physics II Lab	1	<input type="text"/>
CSA 174 Fund. of Prog. and Problem Solving	<u>3</u>	<input type="text"/>
	17	
<b>Second Semester</b>		
EAS 102 Problem Solving and Design	3	<input type="text"/>
ENG 112 Composition and Literature	3	<input type="text"/>
MTH 251 Calculus II	4	<input type="text"/>
PHY 182 Physics II	4	<input type="text"/>
PHY 184 Physics II Lab	1	<input type="text"/>
CSA 271 Object-Oriented Programming	<u>3</u>	<input type="text"/>
	18	
<b>Sophomore Year</b>		
<b>First Semester</b>		
ECE 205 Electric Circuit Analysis I	3	<input type="text"/>
ECE 287 Digital Systems Design	4	<input type="text"/>
MTH 222 Linear Algebra	3	<input type="text"/>
MTH 252 Calculus III	4	<input type="text"/>
_____ (MPF III A) US Cultures	<u>3</u>	<input type="text"/>
	17	
<b>Second Semester</b>		
CHM 141 College Chemistry	3	<input type="text"/>
CHM 144 Chemistry Lab	2	<input type="text"/>
CSA 274 Data Abstraction & Data Structures	3	<input type="text"/>
EGR 305 Electric Circuit Analysis II	3	<input type="text"/>
ECE/CSA 278 Computer Architecture	3	<input type="text"/>
MTH 347 Differential Equations	<u>3</u>	<input type="text"/>
	17	
<b>Junior Year</b>		
<b>First Semester</b>		
ECE 304 Electronics	3	<input type="text"/>
ECE 306 Signals and Systems	3	<input type="text"/>
ECE 345* Random signal Processing	3	<input type="text"/>
CSA 381 Operating Systems	3	<input type="text"/>
ENG 313 Technical Writing	<u>3</u>	<input type="text"/>
	15	
<b>Second Semester</b>		
ECE 387 Embedded Systems Design	4	<input type="text"/>
ECE 425 Digital Signal Processing	3	<input type="text"/>
ECE ___ Professional CpE Elective	3	<input type="text"/>
ECO 201 Microeconomics	3	<input type="text"/>
_____ (MPF IV A) Biological Science	<u>3</u>	<input type="text"/>
	16	
<b>Senior Year</b>		
<b>First Semester</b>		
ECE 448 Senior Design Project I	2	<input type="text"/>
ECE 461 Network Performance Analysis	3	<input type="text"/>
ECE ___ Professional CpE Elective	3	<input type="text"/>
_____ (MPF II) Miami Plan Foundation	3	<input type="text"/>
_____ (MPF III B) World Cultures	<u>3</u>	<input type="text"/>
	14	
<b>Second Semester</b>		
ECE 449 Senior Design Project II	2	<input type="text"/>
ECE ___ Professional CpE Elective	3	<input type="text"/>
_____ General Technical Elective	3	<input type="text"/>
_____ (MPF II A) Fine Arts Elective	3	<input type="text"/>
_____ (MPF II B) Humanities Elective	<u>3</u>	<input type="text"/>
	14	

General Education (27 hrs)	Cr	Sem	Gr
<b>English (9 hrs)</b>			
ENG 111 College Composition	3	_____	_____
ENG 112 Composition and Literature	3	_____	_____
ENG 313 Technical Writing	3	_____	_____
<b>Fine Arts, Humanities, &amp; Social Science (12 hrs)</b>			
ECO 201 Principles of Microeconomics	3	_____	_____
___ ___ MPF II A Fine Arts Elective	3	_____	_____
___ ___ MPF II B Humanities Elective	3	_____	_____
___ ___ MPF II Elective	3	_____	_____
<b>US and World Cultures (6 hrs)</b>			
___ ___ MPF III A US Cultures Elective	3	_____	_____
___ ___ MPF III B World Cultures Elective	3	_____	_____
<b>Mathematics &amp; Science (37 hrs)</b>			
MTH 151 Calculus I	5	_____	_____
MTH 222 Linear Algebra	3	_____	_____
MTH 347 Differential Equations	3	_____	_____
MTH 251 Calculus II	4	_____	_____
MTH 252 Calculus III	4	_____	_____
PHY 181 Physics I	4	_____	_____
PHY 183 Physics I Lab	1	_____	_____
PHY 182 Physics II	4	_____	_____
PHY 184 Physics II Lab	1	_____	_____
CHM 141 College Chemistry	3	_____	_____
CHM 144 College Chemistry Lab	2	_____	_____
___ ___ MPF IV A Biological Science	3	_____	_____
<b>Required Computer Science (12 hrs)</b>			
CSA 174 Fundamentals of Programming	3	_____	_____
CSA 271 Object-Oriented Programming	3	_____	_____
CSA 274 Data Abstraction & Data Structure	3	_____	_____
CSA 381 Operating Systems	3	_____	_____
<b>Required General Engineering (8hrs)</b>			
EAS 101 Computing, Engineering & Society	1	_____	_____
EAS 102 Problem Solving and Design	3	_____	_____
ECE/MME 448 Senior Design Project I	2	_____	_____
ECE/MME 449 Senior Design Project II	2	_____	_____
<b>Required Engineering (32 hrs)</b>			
ECE 205 Electric Circuit Analysis I	3	_____	_____
ECE 278 Computer Architecture	3	_____	_____
ECE 287 Digital Systems Design	4	_____	_____
ECE 304 Electronics	3	_____	_____
ECE 305 Electric Circuit Analysis II	3	_____	_____
ECE 306 Signals and Systems	3	_____	_____
ECE 345* Random Signal Processing	3	_____	_____
ECE 387 Computing Systems Design	4	_____	_____
ECE 425 Digital Signal Processing	3	_____	_____
ECE 461 Network Performance Analysis	3	_____	_____
<b>Professional CpE Electives (9 hrs)</b>			
ECE ___ Professional CpE Elective	3	_____	_____
ECE ___ Professional CpE Elective	3	_____	_____
ECE ___ Professional CpE Elective	3	_____	_____
Thematic Sequence (CSA-2 and MTH-3) built-in (9 hrs)			

\*STA 301/368 can be substituted for ECE 345

# Computer Engineering (CpE) Blank Work/Check Sheet - 128 Crs

## Freshman Year First Semester

Total Hours	

## Freshman Year Second Semester

Total Hours	

## Sophomore Year First Semester

Total Hours	

## Sophomore Year Second Semester

Total Hours	

## Junior Year First Semester

Total Hours	

## Junior Year Second Semester

Total Hours	

## Senior Year First Semester

Total Hours	

## Senior Year Second Semester

Total Hours	

## Fifth Year First Semester

Total Hours	

DAR Changes:


*Thematic Sequence (9) Liberal Education sequence outside your major focused around a theme.*

	<b>3</b>	
	<b>3</b>	
	<b>3</b>	