

School of Engineering 4-Year Plan

This 4-year plan is designed to be used as tool when meeting with your advisor to discuss your academic plans.

Sample 4-year plans are found by Department in the Program Description sections of the Undergraduate Handbook and in the Bookmarks tab of this PDF.

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>												
	<i>Subtotals</i>	0	0	0	<i>Subtotals</i>	0	0	0	<i>Subtotals</i>	0	0	0
	Total	0			Total	0			Total	0		
<i>Sophomore</i>												
	<i>Subtotals</i>	0	0	0	<i>Subtotals</i>	0	0	0	<i>Subtotals</i>	0	0	0
	Total	0			Total	0			Total	0		
<i>Junior</i>												
	<i>Subtotals</i>	0	0	0	<i>Subtotals</i>	0	0	0	<i>Subtotals</i>	0	0	0
	Total	0			Total	0			Total	0		
<i>Senior</i>												
	<i>Subtotals</i>	0	0	0	<i>Subtotals</i>	0	0	0	<i>Subtotals</i>	0	0	0
	Total	0			Total	0			Total	0		

Total Math & Science Units:	0
Total Engineering Units:	0
Total Other Units:	0
Total Units:	0

Aeronautical and Astronautical Engineering

*Sample Program with Math 40 Series**

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	IHUM		5	IHUM			5	IHUM			5	
	Writing	-	-	3	Writing	-	-	3	MATH 51	5	-	-
	MATH 41	5	-	-	MATH 42	5	-	-	PHYSICS 43	4	-	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	ENGR 14	-	3	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>5</i>
Total			17	Total			17	Total			17	
<i>Sophomore</i>	AA100	-	3	-	ME70	-	4	-	ENGR 15	-	3	-
	ME80	-	3	-	CME 102	5	-	-	Sci. Elective	3	-	-
	ENGR 40	-	5	-	ENGR 30	-	3	-	Elective	-	-	5
	MATH 52	5	-	-	Elective	-	-	3	GER	-	-	4
	<i>Subtotals</i>	<i>5</i>	<i>11</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>7</i>	<i>3</i>	<i>Subtotals</i>	<i>3</i>	<i>3</i>	<i>9</i>
Total			16	Total			15	Total			15	
<i>Junior</i>	ME 131A	-	4	-	ENGR 70A	-	5	-	Elective	-	-	3
	ME 161	-	4	-	Language	-	-	5	Language	-	-	5
	Language	-	-	5	GER	-	-	4	GER	-	-	4
	Sci. Elective	3	-	-	Depth course	-	3	-	Depth Course	-	3	-
	<i>Subtotals</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>9</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>12</i>
Total			16	Total			17	Total			15	
<i>Senior</i>	Elective	-	3	-	AA190	-	3	-	Elective	-	-	3
	Depth Course	-	3	-	Depth Course	-	3	-	Elective	-	-	3
	TIS course	-	-	5	GER	-	-	5	Elective	-	-	3
	GER	-	-	5	GER	-	-	4	GER	-	-	5
	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>9</i>	<i>Subtotals</i>	<i>0</i>	<i>0</i>	<i>14</i>
Total			16	Total			15	Total			14	

Total Math & Science Units:	43
Total Engineering Units:	55
Total Other Units:	92
Total Units:	190

Notes:

*AP Math may be used for Math 41 & 42; see *Stanford Bulletin* for placement

AA190 fulfills the Writing in the Major requirement.

Students who test out of the language requirement should replace language units with technical electives.

CME 100, 102, 104 are also listed as ENGR 154, 155A, and 155B.

Architectural Design

Architecture Studio Emphasis

Typical 4 Year Plan

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/Sci.	Engr.	Other	Class	Math/Sci.	Engr.	Other	Class	Math/Sci.	Engr.	Other
<i>Freshman</i>	MATH 19	3			MATH 20	3			MATH 21	4		
	IHUM			5	IHUM			5	IHUM			5
	Writing			3	Writing			3	GER			5
	GER			4	GER			4				
	<i>Subtotals</i>	<i>3</i>	<i>0</i>	<i>12</i>	<i>Subtotals</i>	<i>3</i>	<i>0</i>	<i>12</i>	<i>Subtotals</i>	<i>4</i>	<i>0</i>	<i>10</i>
Total			15	Total			15	Total			14	
<i>Sophomore</i>	Language			5	Language			5	Language			5
	CEE 31 or 31Q		4		CEE 130		4		ARTHIS3		5	
	CEE 100*		4		GER			5	Depth Elctv		3	
	Depth Elctv		3						Unrstr Elctv			3
	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>4</i>	<i>10</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>8</i>
Total			16	Total			14	Total			16	
<i>Junior</i>	PHYSICS 21	4			ENGR 60		3		ENGR 14			3
	CEE 110		4		Depth Elctv		4		Science Elctv	5		
	CEE 134A or 137A (Wtr)		4		Unrstr Elctv			4	Math Elctv	5		
	Unrstr Elctv			3	GER			4	Depth Elctv			4
	<i>Subtotals</i>	<i>4</i>	<i>8</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>8</i>	<i>Subtotals</i>	<i>10</i>	<i>7</i>	<i>0</i>
Total			15	Total			15	Total			17	
<i>Senior</i>	Fundamtlis Elctv		4		CEE 101A		4		CEE 156			4
	TIS			4	CEE 136		4		Science Elctv	4		
	Science Elctv	3			STAT 60	5			Unrstr Elctv			5
	Unrstr Elctv			3	Unrstr Elctv			3				
	<i>Subtotals</i>	<i>3</i>	<i>4</i>	<i>7</i>	<i>Subtotals</i>	<i>5</i>	<i>8</i>	<i>3</i>	<i>Subtotals</i>	<i>4</i>	<i>4</i>	<i>5</i>
Total			14	Total			16	Total			13	

Total Math & Science Units: 36
 Total Engineering Units: 61
 Total Other Units: 83
Total Units: 180

Notes:

- * CE100 fulfills the WIM (writing in the major) requirement.
- + At least 3 units of Depth Electives must be taken from departments within the School of Engineering.

Architectural Design

Engineering Emphasis

Typical 4 Year Plan

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/Sci.	Engr.	Other	Class	Math/Sci.	Engr.	Other	Class	Math/Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5			MATH 42	5			MATH 51	5		
	IHUM			5	IHUM			5	IHUM			5
	Writing			3	Writing			3	GER			5
	GER			4	PHYS 41	4						
	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>12</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>
Total	17			Total	17			Total	15			
<i>Sophomore</i>	Language			5	Language			5	Language			5
	CEE 31 or 31Q		4		Science Elctv	5			STAT Elctv	5		
	CEE 100*		3		ENGR 60		3		GER			4
	ENGR 14		3									
	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>5</i>	<i>3</i>	<i>5</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>9</i>
Total	15			Total	13			Total	14			
<i>Junior</i>	CEE 110		4		CEE 130		4		ARTHIS3			5
	Fundamtl's Elctv		4		CEE 101A		4		Science Elctv	4		
	Unrstr Elctv			3	Depth Elctv		4		Depth Elctv			4
					Unrstr Elctv			4	Unrstr Elctv			3
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>4</i>	<i>Subtotals</i>	<i>4</i>	<i>9</i>	<i>3</i>
Total	11			Total	16			Total	16			
<i>Senior</i>	CEE 134A or 137A		4		CEE 136		4		Depth Elctv			4
	TIS			4	CEE 156		4		Unrstr Elctv			5
	Depth Elctv		3		Science Elctv	3			GER			5
	GER			4	Unrstr Elctvs			6				
	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>8</i>	<i>Subtotals</i>	<i>3</i>	<i>8</i>	<i>6</i>	<i>Subtotals</i>	<i>0</i>	<i>4</i>	<i>10</i>
Total	15			Total	17			Total	14			

Total Math & Science Units: 36

Total Engineering Units: 61

Total Other Units: 83

Total Units: 180

Notes:

* CE100 fulfills the WIM (writing in the major) requirement.

+ At least 3 units of Depth Electives must be taken from departments within the School of Engineering.

Biomechanical Engineering

4 Year Plan: Starting with Math 40 series with Chemistry

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	Writing			3	Writing			3	IHUM			5
	IHUM			5	IHUM			5	Chem 33	4		
	Chem 31A*	4			Chem 31B*	4			Elective			4
	Math 41	5			Math 42	5			GER			3
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>4</i>	<i>0</i>	<i>12</i>
Total	17			Total	17			Total	16			
<i>Sophomore</i>	BioSci 41	5			BioSci 42	5			BioSci 43	5		
	ENGR 14		3		Phys 41	4			ME101		3	
	Chem35		4		ENGR 155A	5			BME Depth		3	
	CME 100	5		3					GER			4
	<i>Subtotals</i>	<i>10</i>	<i>7</i>	<i>3</i>	<i>Subtotals</i>	<i>14</i>	<i>0</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>6</i>	<i>4</i>
Total	20			Total	14			Total	15			
<i>Junior</i>	ENGR 15		3		ENGR 30		3		ENGR 25		3	
	ME 203		4		ME 70		4		Language			5
	ME 103D		1		BioSci 44x	4			GER			5
	Language			5	Language			5	GER			5
	GER			4								
<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>9</i>	<i>Subtotals</i>	<i>4</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>15</i>	
Total	17			Total	16			Total	18			
<i>Senior</i>	ME 80/81		4		ME Depth		4		Elective			4
	BME Depth		3		BME Depth		3		GER			5
	ME 389		1		GER			4	Elective			4
	TIS Course			4	Elective			4				
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>0</i>	<i>13</i>
Total	12			Total	15			Total	13			

Total Math & Science Units: 55
 Total Engineering Units: 46
 Total Other Units: 89
Total Units: 190

Notes:

- * Chem 31A and 31B may be replaced with Chem31X (accelerated).
- * Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units; see description of "Other Elective Courses" for details.
- * Bio44X fulfills the "Writing in the Major" requirement.
- * Students who place out of the language requirement should replace language units with technical

Biomechanical Engineering

4 Year Plan: Starting with Math 40 series with Physics

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	Writing			3	Writing			3	IHUM			5
	IHUM			5	IHUM			5	Chem 33	4		
	Math 41	5			Chem 31B*	4			Math 51	5		
	Chem31A*	4			Math 42	5						
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>5</i>
Total	17			Total	17			Total	14			
<i>Sophomore</i>	BioSci 41	5			BioSci 42	5			Phys 43	4		
	Phys 45	4			Phys 41	4			BME Depth		3	
	Math 52	5			Math 53	5			GER			4
	ENGR 14		3		Engr. Fund.		3		ME Depth		3	
	<i>Subtotals</i>	<i>14</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>14</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>6</i>	<i>4</i>
Total	17			Total	17			Total	14			
<i>Junior</i>	ENGR 15		3		E30		3		ENGR 25		3	
	ME Depth		4		ME 70		4		Language			5
	Language			5	Bio 44x	4			GER			5
	GER			4	Language			5	ME Depth		3	
	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>9</i>	<i>Subtotals</i>	<i>4</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>
Total	16			Total	16			Total	16			
<i>Senior</i>	ME 80/81		4		ME Depth		4		Elective			4
	BME Depth		3		BME Depth		3		GER			5
	ME 389		1		GER			4	Elective			4
	TIS Course			4	Elective		4					
	Sci Elective	4										
<i>Subtotals</i>	<i>4</i>	<i>8</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>0</i>	<i>13</i>	
Total	16			Total	15			Total	13			

Total Math & Science Units: 67
 Total Engineering Units: 47
 Total Other Units: 74
Total Units: 188

Notes:

- * Chem 31A and 31B may be replaced with Chem31X (accelerated).
- * Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units; see description of "Other Elective Courses" for details.
- * Bio44X fulfills the "Writing in the Major" requirement.
- * Students who place out of the language requirement should replace language units with technical electives.

Biomechanical Engineering

4 Year Plan: Starting with CME 100, 102, 104 and BioSci Core

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	Writing			3	Writing			3	IHUM			5
	IHUM			5	IHUM			5	Chem 33	4		
	CME 100		5		Chem 31B*	4			CME 104		5	
	Chem 31A*	4			CME 102		5					
	<i>Subtotals</i>	4	5	8	<i>Subtotals</i>	4	5	8	<i>Subtotals</i>	4	5	5
Total	17			Total	17			Total	14			
<i>Sophomore</i>	BioSci 41	5			BioSci 42	5			Phys 43	4		
	Phys 45	4			Phys 41	4			BME Depth		3	
	ENGR 14		3		Engr. Fund.		3		GER			4
					Bio 44x	4			ME Depth		3	
	<i>Subtotals</i>	9	3	0	<i>Subtotals</i>	13	3	0	<i>Subtotals</i>	4	6	4
Total	12			Total	16			Total	14			
<i>Junior</i>	ENGR 15		3		ENGR 30		3		ENGR 25		3	
	ME Depth		4		ME 70		4		Language			5
	Language			5	Language			5	GER			5
	GER			4					ME Depth		3	
	<i>Subtotals</i>	0	7	9	<i>Subtotals</i>	0	7	5	<i>Subtotals</i>	0	6	10
Total	16			Total	12			Total	16			
<i>Senior</i>	ME 80/81		4		ME Depth		4		Elective			4
	BME Depth		3		BME Depth		3		GER			5
	ME 389		1		GER			4	Elective			4
	TIS Course			4	Elective		4					
	Sci Elective	4										
	<i>Subtotals</i>	4	8	4	<i>Subtotals</i>	0	7	8	<i>Subtotals</i>	0	0	13
Total	16			Total	15			Total	13			

Total Math & Science Units: 42
 Total Engineering Units: 62
 Total Other Units: 74
Total Units: 178

Notes:

- * Chem 31A and 31B may be replaced with Chem31X (accelerated).
- * Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units; see description of "Other Elective Courses" for details.
- * Bio44X fulfills the "Writing in the Major" requirement.
- * Students who place out of the language requirement should replace language units with technical electives.

Biomechanical Engineering

4 Year Plan: Starting with Math 50 Series and Human Biology Core

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	Writing			3	Writing			3	IHUM			5
	IHUM			5	IHUM			5	Chem 33	4		
	Math 51	4			Chem 31B*	4			Math 53	5		
	Chem 31A*	5			Math 52	5						
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>5</i>
Total	17			Total	17			Total	14			
<i>Sophomore</i>	HumBio 2A	5			HumBio 3A	5			Phys 43	4		
	HumBio2B	5			HumBio 3B	5			BME Depth		3	
	ENGR 14		3		Phys 41	4			GER			4
									ME Depth		3	
	<i>Subtotals</i>	<i>10</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>14</i>	<i>0</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>6</i>	<i>4</i>
Total	13			Total	14			Total	14			
<i>Junior</i>	ENGR 15		3		ENGR 30		3		ENGR 25		3	
	ME Depth		4		ME 70		4		Language			5
	Language			5	Language			5	GER			5
	GER		4		Bio 44x	4			ME Depth		3	
	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>9</i>	<i>Subtotals</i>	<i>4</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>
Total	16			Total	16			Total	16			
<i>Senior</i>	ME 80/81		4		ME Depth		4		Elective			4
	BME Depth		3		BME Depth		3		GER			5
	ME 389		1		GER			4	Elective			4
	TIS Course			4	Elective		4		Sci Elective	4		
	Engr. Fund.		3									
<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>8</i>	<i>Subtotals</i>	<i>4</i>	<i>0</i>	<i>13</i>	
Total	15			Total	15			Total	17			

Total Math & Science Units: 63
 Total Engineering Units: 47
 Total Other Units: 74
Total Units: 184

Notes:

- * Chem 31A and 31B may be replaced with Chem31X (accelerated).
- * Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units; see description of "Other Elective Courses" for details.
- * Bio44X fulfills the "Writing in the Major" requirement.
- * Students who place out of the language requirement should replace language units with technical electives.

Biomedical Computation

Molecular and Cellular

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	<i>Math/</i>			<i>Math/</i>			<i>Math/</i>					
	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	CS107	-	5	-
	CHEM 31X	4	-	-	CHEM 33	4	-	-	STAT 116	5	-	-
	CS106A	-	4	-	CS106B	-	4	-				
	<i>Subtotals</i>	<i>9</i>	<i>4</i>	<i>0</i>	<i>Subtotals</i>	<i>9</i>	<i>4</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>5</i>	<i>0</i>
	Total	13			Total	13			Total	10		
<i>Sophomore</i>	BIOSCI 41	5	-	-	BIOSCI 42	5	-	-	BIOSCI 43	5	-	-
	CS103A	-	3	-	CS103B	-	3	-				
	STAT 141	4	-	-	PHYS 41	4	-	-				
	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>0</i>
	Total	12			Total	12			Total	5		
<i>Junior</i>	Info Elective	-	3	-	BIOSCI 129A	4	-	-	BIOSCI 129B	4	-	-
	E30	-	3	-	BIOSCI 188	5	-	-	Simul elct	-	3	-
	E130	-	4	-	BMI 210	-	3	-				
	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>0</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>0</i>
	Total	10			Total	12			Total	7		
<i>Senior</i>	Genetics 203	4	-	-	CS/ME191	-	3	-	CS/ME191	-	3	-
	Elective	-	-	3	Info elective	-	3	-	Simul elct	-	3	-
	<i>Subtotals</i>	<i>4</i>	<i>0</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>0</i>
	Total	7			Total	6			Total	6		

Total Math & Science Units: 63

Total Engineering Units: 47

Total Other Units: 3

Total Units: 113

Biomedical Computation

Organs and Organisms

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	<i>Math/</i>			<i>Math/</i>			<i>Math/</i>					
	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	CS107	-	5	-
	CHEM 31X	4	-	-	CHEM 33	4	-	-	STAT 116	5	-	-
	CS106A	-	4		CS106B	-	4	-				
	<i>Subtotals</i>	9	4	0	<i>Subtotals</i>	9	4	0	<i>Subtotals</i>	5	5	0
	Total			13	Total			13	Total			10
<i>Sophomore</i>	BIOSCI 41	5	-	-	BIOSCI 42	5	-	-	BIOSCI 43	5	-	-
	CS103A	-	3	-	CS103B	-	3	-				
	MATH 51	5	-	-	PHYS 53	4	-	-				
	<i>Subtotals</i>	10	3	0	<i>Subtotals</i>	9	3	0	<i>Subtotals</i>	5	0	0
	Total			13	Total			12	Total			5
<i>Junior</i>	ENGR 30	-	3	-	BIOSCI 112	4	-	-	Elective	3	-	-
	Organs elect	3	-	-	BIOSCI 188	5	-	-	Simul elct	-	3	-
					CS 201	-	4	-				
	<i>Subtotals</i>	3	3	0	<i>Subtotals</i>	9	4	0	<i>Subtotals</i>	3	3	0
	Total			6	Total			13	Total			6
<i>Senior</i>	Info Elective	-	3	-	CS/ME191	-	3	-	CS/ME191W	-	3	-
	Simul elct	-	3	-	BMI 210	-	3	-	Info elective	-	3	-
	<i>Subtotals</i>	0	6	0	<i>Subtotals</i>	0	6	0	<i>Subtotals</i>	0	6	0
	Total			6	Total			6	Total			6

Total Math & Science Units: 62
 Total Engineering Units: 47
 Total Other Units: 0
Total Units: 109

Biomedical Computation *Simulation*

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/			Math/			Math/					
	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	ENGR14	-	3	-
	CHEM 31X	4	-	-	CHEM 33	4	-	-	PHYS 43	3	-	-
	CS106X	-	5	-	PHYS 41	4	-	-	MATH 51	5	-	-
	<i>Subtotals</i>	<i>9</i>	<i>5</i>	<i>0</i>	<i>Subtotals</i>	<i>13</i>	<i>0</i>	<i>0</i>	<i>Subtotals</i>	<i>8</i>	<i>3</i>	<i>0</i>
	Total			14	Total			13	Total			11
<i>Sophomore</i>	BIOSCI 41	5	-	-	BIOSCI 42	5	-	-	BIOSCI 43	5	-	-
	ENGR 15	-	3	-	ENGR155A	-	5	-	ENGR155B	-	5	-
	ENGR 30	-	3	-								
	<i>Subtotals</i>	<i>5</i>	<i>6</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>5</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>5</i>	<i>0</i>
	Total			11	Total			10	Total			10
<i>Junior</i>	CS107	-	5	-	Simul Elct	-	3	-	Simul Elct	-	3	-
	CS103A	-	3	-	BIOSCI Electiv	3	-	-	BIOSCI Electiv	3	-	-
					CS103B	-	3	-	STAT 116	5	-	-
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>6</i>	<i>0</i>	<i>Subtotals</i>	<i>8</i>	<i>3</i>	<i>0</i>
	Total			8	Total			9	Total			11
<i>Senior</i>	BMI 210	-	3	-	ME 191	-	3	-	ME 191W	-	3	-
					CS 201	-	4	-				
	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>0</i>
	Total			3	Total			7	Total			3

Total Math & Science Units: 56
 Total Engineering Units: 54
 Total Other Units: 0
Total Units: 110

Biomedical Computation

Informatics (early)

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	<i>Math/</i>				<i>Math/</i>				<i>Math/</i>			
	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	CS107	-	5	-
	CHEM 31X	4	-	-	CHEM 33	4	-	-	ENGR 62	-	4	-
	CS106X	-	5	-	PHYS 41	4	-	-	STAT 116	5	-	-
	<i>Subtotals</i>	<i>9</i>	<i>5</i>	<i>0</i>	<i>Subtotals</i>	<i>13</i>	<i>0</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>9</i>	<i>0</i>
	Total	14			Total	13			Total	14		
<i>Sophomore</i>	BIOSCI 41	5	-	-	BIOSCI 42	5	-	-	BIOSCI 43	5	-	-
	CS103A	-	3	-	CS103B	-	3	-	CS145	-	4	-
	STAT 141	4	-	-	CS 201	-	4	-				
	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>7</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>4</i>	<i>0</i>
	Total	12			Total	12			Total	9		
<i>Junior</i>	CS161	-	4	-	Cellular Elct	3	-	-	Info Elective	-	3	-
	CS 221	-	4	-	Info Elective	-	-	-	Organs Elct	3	-	-
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>0</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>3</i>	<i>0</i>
	Total	8			Total	3			Total	6		
<i>Senior</i>	Info Elective	-	3	-	CS191	-	3	-	Cellular Elct	3	-	-
	BMI 210	-	3	-	Organs Elct	3	-	-	CS191W	-	3	-
					Info Elective	-	3	-				
	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>6</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>3</i>	<i>0</i>
	Total	6			Total	9			Total	6		

Total Math & Science Units: 58
 Total Engineering Units: 54
 Total Other Units: 0
Total Units: 112

Biomedical Computation *Informatics (late)*

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	<i>Math/</i>			<i>Math/</i>			<i>Math/</i>					
	Sci.	Engr.	Other	Sci.	Engr.	Other	Sci.	Engr.	Other			
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-				
					PHYS 41	4	-	-				
	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>0</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>0</i>	<i>0</i>
	Total	5		Total	9		Total	0				
<i>Sophomore</i>	STAT 116	5	-	-	CS103A	-	3	-	CS103B	-	3	-
	CHEM 31X	4	-	-	CHEM 33	4	-	-	CS107	-	5	-
	CS106A	-	4	-	CS106B	-	4	-	ENGR 62	-	4	-
	<i>Subtotals</i>	<i>9</i>	<i>4</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>7</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>0</i>
	Total	13		Total	11		Total	12				
<i>Junior</i>	BIOSCI 41	5	-	-	BIOSCI 42	5	-	-	BIOSCI 43	5	-	-
	STAT 141	4	-	-	CS 201	-	4	-	CS145	-	4	-
	CS161	-	4	-	CS121	-	3	-	Info Elective	-	3	-
	<i>Subtotals</i>	<i>9</i>	<i>4</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>7</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>7</i>	<i>0</i>
	Total	13		Total	12		Total	12				
<i>Senior</i>	Cellular Elct	3	-	-	CS191	-	3	-	Organs Elct	3	-	-
	BMI 210	-	3	-	Cellular Elct	3	-	-	CS191W	-	3	-
	Organs Elct	3	-	-	Info elective	-	3	-	Info Elective	-	3	-
	<i>Subtotals</i>	<i>6</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>6</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>6</i>	<i>0</i>
	Total	9		Total	9		Total	9				

Total Math & Science Units: 58

Total Engineering Units: 56

Total Other Units: 0

Total Units: 114

Chemical Engineering

4-Year Plan # 1-A

Plan A = CHEM 31A and CHEM 31B (instead of CHEM 31X)

MATH 19, 20, 21 series, then CME 100, 102 and ENGR math elective

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 19	3	-	-	MATH 20	3	-	-	MATH 21	4	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	GER	-	-	3	Writing	-	-	4	CHEM 33	4	-	-
	CHEM 31A*	4	-	-	CHEM 31B*	4	-	-	CHEM 36	3	-	-
	<i>Subtotals</i>	<i>7</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>7</i>	<i>0</i>	<i>9</i>	<i>Subtotals</i>	<i>11</i>	<i>0</i>	<i>5</i>
Total	15			Total	16			Total	16			
<i>Sophomore</i>	CME 100	5	-	-	CME 102	5	-	-	ENGR 20	-	3	-
	BIOSCI 41	-	5	-	Engr. Fund.	-	3	-	ENGR 25 ***	-	3	-
	CHEM 35	4	-	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	CHEM 130	4	-	-	Writing	-	-	4	ENGR math elec	5	-	-
	<i>Subtotals</i>	<i>13</i>	<i>5</i>	<i>0</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>4</i>	<i>Subtotals</i>	<i>9</i>	<i>6</i>	<i>0</i>
Total	18			Total	16			Total	15			
<i>Junior</i>	CHEMENG 100	-	3	-	CHEMENG 110	-	3	-	CHEMENG 130	-	3	-
	CHEMENG 131	-	3	-	CHEMENG 120A	-	4	-	CHEMENG 120B	-	4	-
	CHEMENG 171	-	3	-	CHEMENG 173	-	3	-	CHEMENG 175	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	TIS ** (alt.)	-	-	-	ENGR math elec	-	-	-				
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>
Total	14			Total	15			Total	15			
<i>Senior</i>	CHEMENG elec	-	3	-	CHEMENG elec	-	3	-	CHEMENG elec	-	-	-
	CHEMENG 170	-	3	-	GER	-	-	4	CHEMENG 180	-	3	-
	CHEMENG 185 ^o	-	4	-	GER	-	-	5	GER	-	-	5
	CHEMENG 10	-	1	-	TIS ** (alt.)	-	-	-	GER	-	-	5
	TIS course**	-	-	4								
	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>9</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>10</i>
Total	15			Total	12			Total	13			

AP Math Units: 0
 UG Math & Science Units: 56
 Total Engineering Units: 60
 Total Other Units: 64

Chemical Engineering

4-Year Plan # 1-B

Plan B = CHEM 31X (instead of CHEM 31A and CHEM 31B)
MATH 19, 20, 21 series, then CME 100, 102 and ENGR math elective

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Math/				Math/				Math/			
	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other
<i>Freshman</i>	MATH 19	3	-	-	MATH 20	3	-	-	MATH 21	4	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	GER	-	-	3	Writing	-	-	4	CHEM 35	4	-	-
	CHEM 31X	4	-	-	CHEM 33	4	-	-	CHEM 36	3	-	-
	<i>Subtotals</i>	<i>7</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>7</i>	<i>0</i>	<i>9</i>	<i>Subtotals</i>	<i>11</i>	<i>0</i>	<i>5</i>
Total	15			Total	16			Total	16			
<i>Sophomore</i>	CME 100	5	-	-	CME 102	5	-	-	ENGR 20	-	3	-
	BIOSCI 41	-	5	-	Engr. Fund.	-	3	-	ENGR 25 ***	-	3	-
	CHEM 130	-	4	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	Writing	-	-	4	GER	-	-	3	ENGR math elec	5	-	-
	<i>Subtotals</i>	<i>5</i>	<i>9</i>	<i>4</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>3</i>	<i>Subtotals</i>	<i>9</i>	<i>6</i>	<i>0</i>
Total	18			Total	15			Total	15			
<i>Junior</i>	CHEMENG 100	-	3	-	CHEMENG 110	-	3	-	CHEMENG 130	-	3	-
	CHEM 131	-	3	-	CHEMENG 120A	-	4	-	CHEMENG 120B	-	4	-
	CHEM 171	-	3	-	CHEM 173	-	3	-	CHEM 175	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	TIS ** (alt)	-	-	-	ENGR math elec	-	-	-	Elective	-	-	-
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>
Total	14			Total	15			Total	15			
<i>Senior</i>	CHEMENG elec	-	3	-	CHEMENG elec	-	3	-	CHEMENG elec	-	-	-
	CHEMENG 170	-	3	-	GER	-	-	5	CHEMENG 180	-	3	-
	CHEMENG 185°	-	4	-	GER	-	-	3	GER	-	-	5
	CHEMENG 10	-	1	-	Elective	-	-	3	Elective	-	-	4
	TIS course**	-	-	4	TIS ** (alt)	-	-	-				
	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>11</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>9</i>
Total	15			Total	14			Total	12			

AP Math Units: 0
UG Math & Science Units: 48
Total Engineering Units: 64

Chemical Engineering

4-Year Plan #2 — RECOMMENDED
MATH 40 series, then CME 100, 102 then CME 104 or 106

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	ENGR 25	-	3	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	CHEM 31X	4			CHEM 33	4	-	-	CHEM 35	4		
	GER	-	-	3	Writing	-	-	4	CHEM 36	3	-	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>9</i>	<i>Subtotals</i>	<i>7</i>	<i>3</i>	<i>5</i>
	Total			17	Total			18	Total			15
<i>Sophomore</i>	CME 100	5	-	-	CME 102	5	-	-	ENGR 20	-	3	-
	BIOSCI 41	-	5	-	Engr. Fund.		3	-	ENGR 25 ***	-	-	-
	CHEM 130	-	4	-	PHYSICS 41	4		-	PHYSICS 43	4	-	-
	Writing	-	-	4	GER	-	-	3	ENGR math elec	5	-	-
									Elective	-	-	3
<i>Subtotals</i>	<i>5</i>	<i>9</i>	<i>4</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>3</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>3</i>	
	Total			18	Total			15	Total			15
<i>Junior</i>	CHEMENG 100	-	3	-	CHEMENG 110	-	3	-	CHEMENG 130	-	3	-
	CHEM 131	-	3	-	CHEMENG 120A	-	4	-	CHEMENG 120B	-	4	-
	CHEM 171	-	3	-	CHEM 173	-	3	-	CHEM 175	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	TIS ** (alt.)	-	-	-	ENGR math elec	-	-	-				
<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	
	Total			14	Total			15	Total			15
<i>Senior</i>	CHEMENG elec	-	-	-	CHEMENG elec	-	3	-	CHEMENG elec	-	3	-
	CHEMENG 170	-	3	-	GER	-	-	5	CHEMENG 180	-	3	
	CHEMENG 185	-	4	-	GER	-	-	4	Elective	-	-	5
	CHEMENG 10	-	1	-	TIS ** (alt.)	-	-	-	Elective	-	-	3
	TIS Course**	-	-	4								
<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>9</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>8</i>	
	Total			12	Total			12	Total			14

AP Math Units: 0
UG Math & Science Units: 48

Chemical Engineering

4-Year Plan #3 — RECOMMENDED

CME 100, 102 then CME 104 or 106

(AP credit for MATH 40 series: start with CME 100, 102 instead of MATH 51 series)

	<i>Fall</i>			<i>Winter</i>				<i>Spring</i>				
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	CME 100	5	-	-	CME 102	5	-	-	ENGR 25***	-	3	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	CHEM 31X	4	-	-	CHEM 33	4	-	-	CHEM 35	4	-	-
					Writing	-	-	4	CHEM 36	3	-	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>5</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>9</i>	<i>Subtotals</i>	<i>7</i>	<i>3</i>	<i>5</i>
	Total	14			Total	18			Total	15		
<i>Sophomore</i>	BIOSCI 41	-	5	-	CME math elec	4	-	-	CME math elec	-	-	-
	CHEM 130	-	4	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	Writing	-	-	4	Engr. Fund	-	3	-	ENGR 20	-	3	-
	GER	-	-	3	GER	-	-	4	ENGR 25 ***	-	-	-
									GER	-	-	5
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>7</i>	<i>Subtotals</i>	<i>8</i>	<i>3</i>	<i>4</i>	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>5</i>
	Total	16			Total	15			Total	12		
<i>Junior</i>	CHEMENG 100	-	3	-	CHEMENG 110	-	3	-	CHEMENG 130	-	3	-
	CHEM 131	-	3	-	CHEMENG 120A	-	4	-	CHEMENG 120B	-	4	-
	CHEM 171	-	3	-	CHEM 173	-	3	-	CHEM 175	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>
	Total	14			Total	15			Total	15		
<i>Senior</i>	CHEMENG elec	-	-	-	CHEMENG elec	-	3	-	CHEMENG elec	-	3	-
	CHEMENG 170	-	3	-	GER	-	-	5	CHEMENG 180	-	3	-
	CHEMENG 185 ^o	-	4	-	Elective	-	-	4	Elective	-	-	3
	CHEMENG 10	-	1	-					Elective	-	-	3
TIS course**	-	-	4					TIS**(alternative)	-	-	-	
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>9</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>6</i>
	Total	12			Total	12			Total	12		

AP Math Units: 10
 UG Math & Science Units: 37
 Total Engineering Units: 64

Chemical Engineering WITH HONORS

4-Year Plan # 4 — RECOMMENDED

CME 100, 102 then CME 104 or 106

(AP credit for MATH 40 series: start with CME 100, 102 instead of MATH 51 series)

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	CME 100	5	-	-	CME 102	5	-	-	ENGR 25***	-	3	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	CHEM 31X	4	-	-	CHEM 33	4	-	-	CHEM 35	4	-	-
					Writing	-	-	4	CHEM 36	3	-	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>5</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>9</i>	<i>Subtotals</i>	<i>7</i>	<i>3</i>	<i>5</i>
	Total	14			Total	18			Total	15		
<i>Sophomore</i>	BIOSCI 41	-	5	-	CME math elec	-	-	-	CME math elec	5	-	-
	CHEM 130	-	4	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	Writing	-	-	4	Engr. Fund	-	3	-	ENGR 20	-	3	-
	GER	-	-	4	GER	-	-	5	ENGR 25 ***	-	-	-
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>8</i>	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>5</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>0</i>
	Total	17			Total	12			Total	12		
<i>Junior</i>	CHEMENG 100	-	3	-	CHEMENG 110	-	3	-	CHEMENG 130	-	3	-
	CHEM 131	-	3	-	CHEMENG 120A	-	4	-	CHEMENG 120B	-	4	-
	CHEM 171	-	3	-	CHEM 173	-	3	-	CHEM 175	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
TIS ** (alt.)				GER	-	-	3	CHEMENG 190H		3		
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>13</i>	<i>5</i>
	Total	14			Total	18			Total	18		
<i>Senior</i>	CHEMENG elec	-	3	-	CHEMENG elec	-	3	-	CHEMENG elec	-	-	-
	CHEMENG 170	-	3	-	GER	-	-	5	CHEMENG 180	-	3	
	CHEMENG 185°	-	4	-	TIS course **	-	-	4	Elective	-	-	5
	CHEMENG 10	-	1	-	CHEMENG 190H	-	3	-	Elective	-	-	4
CHEMENG 190H	-	3	-					TIS** (alt.)				
	<i>Subtotals</i>	<i>0</i>	<i>14</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>9</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>9</i>
	Total	14			Total	15			Total	12		

AP Math Units: 10

UG Math & Science Units: 38

Total Engineering Units: 73

Total Other Units: 10

Notes:

Chemical Engineering

4-Year Plan # 5

MATH 40 series, then MATH 51, 52, and 53, followed by CME 104 or 106

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	CHEM 31X	4	-	-	CHEM 33	4	-	-	CHEM 35	4	-	-
	GER	-	-	3	Writing	-	-	4	CHEM 36	3	-	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>9</i>	<i>Subtotals</i>	<i>12</i>	<i>0</i>	<i>5</i>
Total	17			Total	18			Total	17			
<i>Sophomore</i>	MATH 52	5	-	-	MATH 53	5	-	-	ENGR math elec	5	-	-
	BIOSCI 41	-	5	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	CHEM 130	-	4	-	Engr. Fund	-	3	-	ENGR 20	-	3	-
	Writing	-	-	4	GER	-	-	4	ENGR 25 ***	-	3	-
	<i>Subtotals</i>	<i>5</i>	<i>9</i>	<i>4</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>4</i>	<i>Subtotals</i>	<i>9</i>	<i>6</i>	<i>0</i>
Total	18			Total	16			Total	15			
<i>Junior</i>	CHEMENG 100	-	3	-	CHEMENG 110	-	3	-	CHEMENG 130	-	3	-
	CHEM 131	-	3	-	CHEMENG 120A	-	4	-	CHEMENG 120B	-	4	-
	CHEM 171	-	3	-	CHEM 173	-	3	-	CHEM 175	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	TIS ** (alt.)	-	-	-	ENGR math elec	-	-	-				
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>
Total	14			Total	15			Total	15			
<i>Senior</i>	CHEMENG elec	-	3	-	CHEMENG elec	-	3	-	CHEMENG elec	-	-	-
	CHEMENG 170	-	3	-	GER	-	-	5	CHEMENG 180	-	3	-
	CHEMENG 185°	-	4	-	GER	-	-	5	Elective	-	-	4
	CHEMENG 10	-	1	-	TIS ** (alt.)	-	-	-	Elective	-	-	5
	TIS course**	-	-	4								
	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>10</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>9</i>
Total	15			Total	13			Total	12			

AP Math Units: 0
 UG Math & Science Units: 53
 Total Engineering Units: 64
 Total Other Units: 68

Chemical Engineering

4-Year Plan # 6

MATH 50 series (51, 52, & 53) and then CME 104 or CME 106

(AP credit for Math 40 series)

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Math/ Sci.	Engr.	Other		Math/ Sci.	Engr.	Other		Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 51	5	-	-	MATH 52	5	-	-	MATH 53	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	CHEM 31X	4	-	-	CHEM 33	4	-	-	CHEM 35	4	-	-
	GER	-	-	3	Writing	-	-	4	CHEM 36	3	-	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>9</i>	<i>Subtotals</i>	<i>12</i>	<i>0</i>	<i>5</i>
Total	17			Total	18			Total	17			
<i>Sophomore</i>	BIOSCI 41	-	5	-	CME 104	5	-	-	ENGR math elec	5	-	-
	CHEM 130	-	4	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	Writing	-	-	4	Engr. Fundamenta	-	3	-	ENGR 20	-	3	-
					ENGR math elec	-	-	-	ENGR 25 ***	-	3	-
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>4</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>9</i>	<i>6</i>	<i>0</i>
Total	13			Total	12			Total	15			
<i>Junior</i>	CHEMENG 100	-	3	-	CHEMENG 110	-	3	-	CHEMENG 130	-	3	-
	CHEM 131	-	3	-	CHEMENG 120A	-	4	-	CHEMENG 120B	-	4	-
	CHEM 171	-	3	-	CHEM 173	-	3	-	CHEM 175	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	TIS ** (alt.)	-	-	-	GER	-	-	-				
<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	
Total	14			Total	15			Total	15			
<i>Senior</i>	CHEMENG elec	-	-	-	CHEMENG elec	-	3	-	CHEMENG elec	-	3	-
	CHEMENG 170	-	3	-	GER	-	-	4	CHEMENG 180	-	3	-
	CHEMENG 185 ^o	-	4	-	GER	-	-	5	GER	-	-	3
	CHEMENG 10	-	1	-	Elective	-	-	3	Elective	-	-	3
	TIS course**	-	-	4	TIS ** (alt.)	-	-	-				
<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>12</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>6</i>	
Total	12			Total	15			Total	12			

AP Math Units: 10

UG Math & Science Units: 48

Civil Engineering

*Typical 4 Year Plan
Environmental (Wet) Track, Early Start Program*

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	CHEM 31X	4	-	-	Writing	-	-	3	Writing	-	-	3
	Unrstr Elctv^	-	-	2	Unrstr Elctv^	-	-	3	Engr Elctv+	-	3	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>7</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>11</i>	<i>Subtotals</i>	<i>5</i>	<i>3</i>	<i>8</i>
Total	16			Total	16			Total	16			
<i>Sophomore</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	ENGR 60	-	3	-	PHYSICS 41	4	-	-	CEE 101B*	-	4	-
	CEE 70	-	3	-	CEE 172*	-	2	-	CEE 160	-	2	-
	GER	-	-	5	CHEM 33	4	-	-	GES 1	5	-	-
	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>	<i>Subtotals</i>	<i>8</i>	<i>2</i>	<i>5</i>	<i>Subtotals</i>	<i>5</i>	<i>6</i>	<i>5</i>
Total	16			Total	15			Total	16			
<i>Junior</i>	ENGR 14	-	3	-	CEE 101A	-	4	-	ENGR155A	4	-	-
	CEE 177	-	4	-	CHEM 135***	3	-	-	CE/Wet Elctv	-	3	-
	CEE 100* #	-	4	-	ENGR 30*	-	3	-	GER	-	-	4
	CEE 101D	2	-	-	CEE 171	-	3	-	TIS Course	-	-	4
					CE/Wet Elctv	-	3	-				
<i>Subtotals</i>	<i>2</i>	<i>11</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>13</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>8</i>	
Total	13			Total	16			Total	15			
<i>Senior</i>	CEE 101C	-	4	-	CEE 166B	-	3	-	CEE 169**	-	5	-
	CEE 161A*	-	4	-	CEE 179A	-	2	-	GER	-	-	4
	CEE 166A	-	3	-	GER	-	-	4	Engr Elctv+	-	3	-
	GER	-	-	4	STAT 60	5	-	-				
	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>4</i>	<i>Subtotals</i>	<i>5</i>	<i>5</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>4</i>
Total	15			Total	14			Total	12			

Total Math & Science Units: 46
Total Engineering Units: 68
Total Other Units: 66
Total Units: 180

Notes:

- ^ Students should explore majors of interest to them using these unrestricted electives. Courses in the School of Engineering can count toward the CE major; see description of "Other Elective Courses" for details.
- # CEE 100 meets the Writing in the Major Requirement
- * These classes all are typically offered MWF10.
- ** In alternate years, when CEE169 is not offered, take CEE179B or 179C in the spring to fulfill design experience.
- + Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units; see description of "Other Elective Courses" for details.
- *** CHEM 135 or 35 is recommended
- Additional 4-year programs for students interested in going abroad are available at <http://ughb.stanford.edu>

Civil Engineering

*Typical 4 Year Plan
Environmental (Wet) Track, Regular Program*

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/			Math/			Math/					
	Sci.	Engr.	Other	Sci.	Engr.	Other	Sci.	Engr.	Other			
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	Writing	-	-	3	GER	-	-	5
	Unrstr Elctv^	-	-	2	Unrstr Elctv^	-	-	3				
	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>11</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>
Total	15			Total	16			Total	15			
<i>Sophomore</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	CHEM 31X	4	-	-	PHYSICS 41	4	-	-	CHEM 33	4	-	-
	CEE 70	-	3	-	Engr Elctv+	-	2	-	Engr Elctv+	-	3	-
	GER	-	-	4	GER	-	-	5	GER	-	-	4
	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>9</i>	<i>Subtotals</i>	<i>4</i>	<i>2</i>	<i>10</i>	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>9</i>
Total	16			Total	16			Total	16			
<i>Junior</i>	ENGR 14	-	3	-	CEE 101A	-	4	-	CEE 101B*	-	4	-
	CEE 177	-	4	-	CHEM 135***	3	-	-	CEE160	-	2	-
	CEE100* #	-	4	-	CEE172*	-	3	-	ENGR155A	4	-	-
	Stat 110	5	-	-	TIS Course	-	-	4	CE/Wet Elctv	-	3	-
	<i>Subtotals</i>	<i>5</i>	<i>11</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>7</i>	<i>4</i>	<i>Subtotals</i>	<i>4</i>	<i>9</i>	<i>0</i>
Total	16			Total	14			Total	13			
<i>Senior</i>	CEE 101C	-	4	-	CEE 166B	-	3	-	CEE 169**	-	5	-
	CEE 161A*	-	4	-	CEE 171	-	3	-	CE/Wet Elctv	-	3	-
	CEE 166A	-	3	-	ENGR 30*	-	3	-	GER	-	-	4
	ENGR 60	-	3	-	CEE 179A	-	2	-				
	CEE 101D	2	-	-	GES 1	5	-	-				
	<i>Subtotals</i>	<i>2</i>	<i>14</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>11</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>4</i>
Total	16			Total	16			Total	12			

Total Math & Science Units: 46
 Total Engineering Units: 68
 Total Other Units: 67
Total Units: 181

Notes:

- ∧ Students should explore majors of interest to them using these unrestricted electives. Courses in the School of Engineering can count towards the CE major; see description of "Other Elective Courses" for details.
- # CEE 100 meets the Writing in the Major Requirement
- * These classes all are typically offered MWF10.
- ** In alternate years, when CEE169 is not offered, take CEE179B or 179C in the spring to fulfill design experience.
- + Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units see description of "Other Elective Courses" for details.
- *** CHEM 135 or 35 is recommended
- Additional 4-year programs for students interested in going abroad are available at <http://ughb.stanford.edu>

Civil Engineering

Typical 4 Year Plan

Structures/Construction (Dry) Track, Early Start Program

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	PHYSICS 41	4	-	-	Writing	-	-	3
	Unrstr Elctv*	-	-	2					Unrstr Elctv*	-	-	2
	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>5</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>
Total	15			Total	14			Total	15			
<i>Sophomore</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	PHYSICS 45	4	-	-	Engr Elctv+	-	3	-	CEE156	-	4	-
	ENGR 60	-	3	-	ENGR 50	-	4	-	ENGR 155A	4	-	-
	CEE 100 #	-	4	-	Engr Elctv+	-	3	-	PHYSICS 43	4	-	-
	<i>Subtotals</i>	<i>4</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>8</i>	<i>4</i>	<i>5</i>
Total	16			Total	15			Total	17			
<i>Junior</i>	CE/Dry Elctv	-	4	-	CEE 101A	-	4	-	CE/Dry Elctv	-	4	-
	ENGR 14	-	3	-	CEE 102	-	3	-	CEE 101B	-	4	-
	STAT 110	5	-	-	ENGR 31	4	-	-	GES 1	5	-	-
	CEE 70	-	3	-	GER	-	-	5	GER	-	-	4
	<i>Subtotals</i>	<i>5</i>	<i>10</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>5</i>	<i>8</i>	<i>4</i>
Total	15			Total	16			Total	17			
<i>Senior</i>	CEE 101C	-	4	-	CEE 182	-	4	-	CEE 180	-	4	-
	CEE 181	-	4	-	CE/Dry Elctv	-	4	-	CEE 183	-	4	-
	GER	-	-	5	GER	-	-	5	TIS Course	-	-	4
					GER	-	-	5	GER	-	-	4
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>8</i>
Total	13			Total	13			Total	16			

Total Math & Science Units: 45
 Total Engineering Units: 70
 Total Other Units: 67
Total Units: 182

Notes:

- * Students should explore majors of interest to them using these unrestricted electives. Courses in the School of Engineering can count towards the CE major; see description of "Other Elective Courses" for details.
- # CEE 100 meets the Writing in the Major Requirement
- + Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units see description of "Other Elective Courses" for details.
- Additional 4-year programs for students interested in going abroad are available at <http://ughb.stanford.edu>

Civil Engineering

Typical 4 Year Plan
Structures/Construction (Dry) Track, Regular Program

	<i>Fall</i>			<i>Winter</i>				<i>Spring</i>				
	Math/			Math/				Math/				
	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	Writing	-	-	3	GER	-	-	5
	Unrstr Elctv*	-	-	2	Unrstr Elctv*	-	-	3				
	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>11</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>
Total	15			Total	16			Total	15			
<i>Sophomore</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	Engr Elctv+	-	3	-	PHYSICS 41	4	-	-	GER	-	-	4
	GER	-	-	4	GER	-	-	5	Engr Elctv+	-	3	-
	CEE 100 #	-	4	-					PHYSICS 43	4	-	-
	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>9</i>	<i>Subtotals</i>	<i>4</i>	<i>0</i>	<i>10</i>	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>9</i>
Total	16			Total	14			Total	16			
<i>Junior</i>	CE/Dry Elctv	-	4	-	CEE 101A	-	4	-	CEE 101B	-	4	-
	ENGR 14	-	3	-	ENGR 50	-	4	-	ENGR 155A	4	-	-
	PHYSICS 45	4	-	-	ENGR 31	4	-	-	CE/Dry Elctv	-	4	-
	STAT 110	5	-	-	CEE 102	-	3	-	GER	-	-	4
	<i>Subtotals</i>	<i>9</i>	<i>7</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>11</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>8</i>	<i>4</i>
Total	16			Total	15			Total	16			
<i>Senior</i>	CEE 101C	-	4	-	CE/Dry Elctv	-	4	-	CEE 180	-	4	-
	CEE 181	-	4	-	TIS Course	-	-	4	CEE183	-	4	-
					CEE 182	-	4	-	CEE 156	-	4	-
	CEE 70	-	3	-	ENGR 60	-	3	-	GES 1	5	-	-
	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>4</i>	<i>Subtotals</i>	<i>5</i>	<i>12</i>	<i>0</i>
Total	11			Total	15			Total	17			

Total Math & Science Units: 45
Total Engineering Units: 70
Total Other Units: 67
Total Units: 182

Notes:

- * Students should explore majors of interest to them using these unrestricted electives. Courses in the School of Engineering can count towards the CE major; see description of "Other Elective Courses" for details.
- # CEE 100 meets the Writing in the Major Requirement
- + Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units see description of "Other Elective Courses" for details.
- Additional 4-year programs for students interested in going abroad are available at <http://ughb.stanford.edu>

Computer Science

Even Progression (Major requirements are more evenly spread through the four years)

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 19	3	-	-	MATH 20	3	-	-	MATH 21	4	-	-
	CS 106A	-	5	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	CS 106B	-	5	-	CS 107	-	5	-
	<i>Subtotals</i>	<i>3</i>	<i>5</i>	<i>8</i>	<i>Subtotals</i>	<i>7</i>	<i>5</i>	<i>5</i>	<i>Subtotals</i>	<i>8</i>	<i>5</i>	<i>5</i>
Total	16			Total	17			Total	18			
<i>Sophomore</i>	CS 108	-	4	-	CS 103A	-	3	-	CS 103B	-	3	-
	Fund Elect	-	3	-	Math Elect	3	-	-	ENG 40	-	5	-
	Language	-	-	5	Language	-	-	5	TIS Course	-	-	4
	GER	-	-	5	Writing	-	-	3	Language	-	-	5
	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>10</i>	<i>Subtotals</i>	<i>3</i>	<i>3</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>9</i>
Total	17			Total	14			Total	17			
<i>Junior</i>	STAT 116	5	-	-	CS 161	-	4	-	CS 154	-	4	-
	GER	-	-	5	CS Elective	-	4	-	CS Elective	-	3	-
	EE 108B	-	4	-	GER	-	-	5	Elective	-	-	4
	<i>Subtotals</i>	<i>5</i>	<i>4</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>5</i>
	Total	14			Total	13			Total	12		
<i>Senior</i>	CS 140	-	4	-	CS 121	-	3	-	CS 155	-	3	-
	Math Elect	3	-	-	CS 223A	-	3	-	CS194	-	3	-
	Sci Elective	3	-	-	Elective	-	-	3	Elective	-	-	4
	Elective	-	-	3	Elective	-	-	3	Elective	-	-	3
	<i>Subtotals</i>	<i>6</i>	<i>4</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>6</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>7</i>
Total	13			Total	12			Total	13			

Total Math & Science Units: 32

Total Engineering Units: 68

Total Other Units: 76

Total Units: 176

Computer Science

Early Start (satisfies many requirements in first two years)

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	Math Elect	3	-	-
	CS 106X		5	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	TIS Course	-	-	3	CS 107	-	5	-
	<i>Subtotals</i>	<i>5</i>	<i>5</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>7</i>	<i>5</i>	<i>5</i>
Total	18			Total	17			Total	17			
<i>Sophomore</i>	CS 103A	-	3	-	CS 103B	-	3	-	MATH Elect	3	-	-
	Writing	-	-	3	CS 108	-	4	-	CS 154	-	4	-
	Language	-	-	5	GER	-	-	5	STAT 116	5	-	-
	ENGR 40		5		Language	-	-	5	Language	-	-	5
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>10</i>	<i>Subtotals</i>	<i>8</i>	<i>4</i>	<i>5</i>
Total	16			Total	17			Total	17			
<i>Junior</i>	CS 140	-	4	-	CS 121	-	3	-	CS 155	-	3	-
	EE 108B	-	4	-	CS 161	-	4	-	Elective	-	4	-
	GER	-		5	GER	-	-	5	GER	-	-	5
					Sci. Elective	3						
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>5</i>	<i>Subtotals</i>	<i>3</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>5</i>
Total	13			Total	15			Total	12			
<i>Senior</i>	CS 145	-	4	-	CS Elective	-	3	-	Adv. CS	-	3	-
	CS 191W	-	3	-	Adv. CS	-	3	-	Elective	-		3
	Elective	-	-	5	Fund Elect	-	3	-	Elective	-	-	3
					Elective	-	-	4	Elective	-	-	4
	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>10</i>
Total	12			Total	13			Total	13			

Total Math & Science Units: 32
 Total Engineering Units: 70
 Total Other Units: 78
Total Units: 180

Computer Science

Late Start (no CS classes until sophomore year)

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	Math Elective	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	Sci Elective	3	-	-	GER	-	-	5
	GER	-	-	5	GER	-	-	5				
	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>13</i>	<i>Subtotals</i>	<i>8</i>	<i>0</i>	<i>10</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>
Total	18			Total	18			Total	15			
<i>Sophomore</i>	CS 106X	-	5	-	CS 103A	-	3	-	CS 103B	-	3	-
	Writing	-	-	3	PHYSICS 41	4	-	-	CS 107	-	5	-
	GER	-	-	5	Math Elect	3	-	-	PHYSICS 43	4	-	-
	GER	-	-	5	Language	-	-	5	Language	-	-	5
	<i>Subtotals</i>	<i>0</i>	<i>5</i>	<i>13</i>	<i>Subtotals</i>	<i>7</i>	<i>3</i>	<i>5</i>	<i>Subtotals</i>	<i>4</i>	<i>8</i>	<i>5</i>
Total	18			Total	15			Total	17			
<i>Junior</i>	CS 145	-	4	-	CS 108	-	4	-	ENGR 40	-	5	-
	Fund Elective	-	4	-	CS 121	-	3	-	STAT 116	5	-	-
	Elective	-	-	4	Elective	-	-	4	TIS Course	-	-	4
					Elective	-	-	3				
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>7</i>	<i>Subtotals</i>	<i>5</i>	<i>5</i>	<i>4</i>
Total	12			Total	14			Total	14			
<i>Senior</i>	CS 140	-	4	-	CS 143	-	4	-	CS 194	-	3	-
	CS 154	-	4	-	CS 161	-	4	-	CS Elective	-	3	-
	EE 108B	-	4	-	CS Elective	-	3	-	Elective	-	-	4
					Elective	-	-	3	Elective	-	-	3
	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>7</i>
Total	12			Total	14			Total	13			

Total Math & Science Units: 34

Total Engineering Units: 65

Total Other Units: 81

Total Units: 180

Electrical Engineering

Computer Hardware

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Math/ Sci.	Engr.	Other		Math/ Sci.	Engr.	Other		Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	CME 100	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	Writing	-	-	3	ENGR 40	-	5	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>5</i>	<i>5</i>
Total	17			Total	17			Total	19			
<i>Sophomore</i>	EE 100	-	-	1	EE 108B	-	4	-	CS 107	-	5	-
	CS 106A	-	-	5	CME 102	5	-	-	CME 104	5	-	-
	GER	-	-	5	CS 106B	-	5	-	EE 109	-	4	-
	EE 108A	-	4	-								
	ENGR 102E	-	-	1								
<i>Subtotals</i>	<i>0</i>	<i>4</i>	<i>12</i>	<i>Subtotals</i>	<i>5</i>	<i>9</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>9</i>	<i>0</i>	
Total	16			Total	14			Total	14			
<i>Junior</i>	EE 122	-	3	-	EE 101A	-	4	-	EE 101B	-	4	-
	EE 281	-	3	-	EE 102A	-	4	-	EE 102B	-	4	-
	CHEM 31A	4	-	-	EE 41	-	5	-	GER	-	-	5
									STATS 116	5	-	-
<i>Subtotals</i>	<i>4</i>	<i>6</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>13</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>8</i>	<i>5</i>	
Total	10			Total	13			Total	18			
<i>Senior</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	EE 271	-	3	-	EE 273	-	3	-	ENGR 50	-	4	-
	EE 282	-	3	-	EE 313	-	3	-	STS	-	-	5
	GER	-	-	5	GER	-	-	5				
	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>	<i>Subtotals</i>	<i>0</i>	<i>4</i>	<i>10</i>
Total	16			Total	16			Total	14			

Total Math & Science Units: 46
 Total Engineering Units: 70
 Total Other Units: 68
Total Units: 184

Electrical Engineering

Computer Software

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	CS 106X	-	5	-	PHYSICS 41	4	-	-	Writing	-	-	3
	PHYSICS 45	4	-	-	EE 12N	-	3	-	PHYSICS 43	4	-	-
	<i>Subtotals</i>	<i>9</i>	<i>5</i>	<i>5</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>5</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>
Total	19			Total	17			Total	17			
<i>Sophomore</i>	MATH 52	5	-	-	EE 108A	-	4	-	EE 108B	-	4	-
	CS 107	-	5	-	ENGR 102E	-	-	1	MATH 53	5	-	-
	ENGR 40	-	5	-	Writing	-	-	3	GER	-	-	5
	EE 100	-	-	1	CS 108	-	4	-				
	<i>Subtotals</i>	<i>5</i>	<i>10</i>	<i>1</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>4</i>	<i>Subtotals</i>	<i>5</i>	<i>4</i>	<i>5</i>
Total	16			Total	12			Total	14			
<i>Junior</i>	ENGR 60	-	3	-	EE 101A	-	4	-	EE 101B	-	4	-
	STAT 116	5	-	-	EE 102A	-	4	-	EE 102B	-	4	-
	MATH 113	3	-	-	CS 255	-	3	-	GER	-	-	5
					STS 110	-	-	5				
	<i>Subtotals</i>	<i>8</i>	<i>3</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>5</i>
Total	11			Total	16			Total	13			
<i>Senior</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	CS 140	-	4	-	CS 244A	-	4	-	CS 194	-	3	-
	EE 282	-	3	-	EE 41	-	5	-	GER	-	-	5
					EE 261	-	3	-				
	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>10</i>
Total	12			Total	17			Total	13			

Total Math & Science Units: 45
 Total Engineering Units: 74
 Total Other Units: 58
Total Units: 177

Electrical Engineering

Controls

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	Writing	-	-	3	ENGR 40	-	5	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>5</i>	<i>5</i>
Total	17			Total	17			Total	19			
<i>Sophomore</i>	MATH 52	5	-	-	EE 101A	-	4	-	EE 101B	-	4	-
	CS 106A	-	-	5	EE 102A	-	4	-	EE 102B	-	4	-
	GER	-	-	5	CS 106B	-	5	-	MATH 53	5	-	-
	EE 100	-	-	1					ENGR 62	-	4	-
	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>11</i>	<i>Subtotals</i>	<i>3</i>	<i>13</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>12</i>	<i>0</i>
Total	16			Total	16			Total	17			
<i>Junior</i>	Math 113	3	-	-	EE 178	3	-	-	MATH 114	3	-	-
	EE 108A	-	4	-	EE 108B	-	4	-	EE 122	-	3	-
	ENGR 105	-	3	-	ENGR 102E	-	-	1	STS 113	-	-	5
	GER	-	-	5	ENGR 206	-	4	-				
	<i>Subtotals</i>	<i>3</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>3</i>	<i>8</i>	<i>1</i>	<i>Subtotals</i>	<i>3</i>	<i>3</i>	<i>5</i>
Total	15			Total	12			Total	11			
<i>Senior</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	EE 263	-	3	-	EE 209A	-	3	-	EE 278	-	3	-
	ENGR 205	-	3	-	EE 265	-	4	-	GER	-	-	5
	GER	-	-	5	EE 41	-	5	-				
	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>10</i>
Total	16			Total	17			Total	13			

Total Math & Science Units: 46
 Total Engineering Units: 69
 Total Other Units: 68
Total Units: 183

Electrical Engineering

Circuits and Devices

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	Writing	-	-	3	ENGR 40	-	5	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	PHYSICS 46	1	-	-								
	<i>Subtotals</i>	<i>10</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>5</i>	<i>5</i>
	Total	18		Total	17		Total	19				
<i>Sophomore</i>	MATH 52	5	-	-	CS 106B	-	5	-	Math 53	5	-	-
	EE 100	-	-	1	EE 101A	-	4	-	EE 101B	-	4	-
	CS 106A	-	-	5	EE 108B	-	4	-	EE 122	-	3	-
	EE 108A	-	4	-	ENGR 102E	-	-	1				
		<i>Subtotals</i>	<i>5</i>	<i>4</i>	<i>6</i>	<i>Subtotals</i>	<i>0</i>	<i>13</i>	<i>1</i>	<i>Subtotals</i>	<i>5</i>	<i>7</i>
	Total	15		Total	14		Total	12				
<i>Junior</i>					EE 41	-	5	-	EE 102B	-	4	-
	EE 271	-	3	-	EE 102A	-	4	-	GER	-	-	5
	EE 212	-	3	-	EE 178	3	-	-	GER	-	-	5
	EE 114X	-	1	-	ESYS 10	5	-	-	EE 116	-	3	-
		<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>0</i>	<i>Subtotals</i>	<i>8</i>	<i>9</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>
	Total	7		Total	17		Total	17				
<i>Senior</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	EE 214	-	3	-	EE 133	-	3	-	GER	-	-	5
	EE 216	-	3	-	EE 223	-	3	-	ENGR 50	-	4	-
	EE 222	-	3	-	GER	-	-	5	STS 186	-	-	4
		<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>	<i>Subtotals</i>	<i>0</i>	<i>4</i>
	Total	14		Total	16		Total	18				

Total Math & Science Units:	46
Total Engineering Units:	71
Total Other Units:	67
Total Units:	184

Electrical Engineering

Fields and Waves

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	Writing	-	-	3	ENGR 40	-	5	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>5</i>	<i>5</i>
Total	17			Total	17			Total	19			
<i>Sophomore</i>	EE 100	-	-	1	CS 106B	-	5	-	STATS 116	5	-	-
	MATH 52	5	-	-	MATH 53	5	-	-	EE 144	-	3	-
	EE 141	-	4	-	EE 142	-	3	-	EE 102B	-	4	-
	CS 106A	-	-	5	EE 102A	-	4	-	GER	-	-	5
	<i>Subtotals</i>	<i>5</i>	<i>4</i>	<i>6</i>	<i>Subtotals</i>	<i>5</i>	<i>12</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>7</i>	<i>5</i>
Total	15			Total	17			Total	17			
<i>Junior</i>	EE 108A	-	4	-	EE 101A	-	4	-	EE 101B	-	4	-
	EE 241	-	3	-	EE 108B	-	4	-	EE 252	-	3	-
	ENGR 102E	-	-	1	EE 179	-	3	-	ENGR 14	-	3	-
	MATH 113	3	-	-					GER	-	-	5
	<i>Subtotals</i>	<i>3</i>	<i>7</i>	<i>1</i>	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>
Total	11			Total	11			Total	15			
<i>Senior</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	EE 247	-	3	-	EE 279	-	3	-	EE 122	-	3	-
	EE 261	-	3	-	MATH 131	3	-	-	GER	-	-	5
	GER	-	-	5	STS 110	-	-	5	EE 278	-	3	-
	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>	<i>Subtotals</i>	<i>3</i>	<i>3</i>	<i>10</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>
Total	16			Total	16			Total	16			

Total Math & Science Units:	48
Total Engineering Units:	71
Total Other Units:	68
Total Units:	187

Electrical Engineering

Signal Processing and Communications

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Math/				Math/				Math/			
	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5	-	-	MATH42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	Writing	-	-	3	ENGR 40	-	5	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>5</i>	<i>5</i>
Total	17			Total	17			Total	19			
<i>Sophomore</i>	EE 100	-	-	1	EE 102A	-	4	-	EE 102B	-	4	-
	MATH 52	5	-	-	EE 178	3	-	-	EE 122	-	3	-
	CS 106A	-	-	5	CS 106B	-	5	-	GER	-	-	5
	MATH 113	3	-	-					MATH 53	5	-	-
	<i>Subtotals</i>	<i>8</i>	<i>0</i>	<i>6</i>	<i>Subtotals</i>	<i>3</i>	<i>9</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>7</i>	<i>5</i>
Total	14			Total	12			Total	17			
<i>Junior</i>	EE 108A	-	4	-	EE 101A	-	4	-	EE 101B	-	4	-
	EE 141	-	4	-	EE 108B	-	4	-	EE 278	-	3	-
	ENGR 102E	-	-	1	EE 179	-	3	-	GER	-	-	5
	EE 261	-	3	-	GER	-	-	5				
	GER	-	-	5								
<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>6</i>	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>5</i>	
Total	17			Total	16			Total	12			
<i>Senior</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	EE 265	-	3	-	EE 133	-	3	-	EE 276	-	3	-
	EE 263	-	3	-	EE 279	-	3	-	ENGR 62	-	4	-
	STS 110Q	-	-	4	ESYS 10	3	-	-				
	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>9</i>	<i>Subtotals</i>	<i>3</i>	<i>6</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>5</i>
Total	15			Total	14			Total	12			

Total Math & Science Units: 46
 Total Engineering Units: 69
 Total Other Units: 67
Total Units: 182

Electrical Engineering

Solid State and Photonic Devices

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/			Math/			Math/					
Class	Sci.	Engr.	Other	Class	Sci.	Engr.	Class	Sci.	Engr.	Other		
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	Writing	-	-	3	Writing	-	-	3	ENGR 40	-	5	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	PHYSICS 43	4	-	-
	PHYSICS 46	1	-	-								
	<i>Subtotals</i>	<i>10</i>	<i>0</i>	<i>6</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>6</i>	<i>Subtotals</i>	<i>9</i>	<i>5</i>	<i>5</i>
	Total	18		Total	17		Total	19				
<i>Sophomore</i>	EE 100	-	-	1	CS 106B	-	5	-	MATH 53	5	-	-
	MATH 52	5	-	-	STS 110	-	-	5	EE 134	-	4	-
	EE 141	-	4	-	EE 136	-	3	-	EE 101B	-	4	-
	CS 106A	-	-	5	EE 101A	-	4	-				
	<i>Subtotals</i>	<i>5</i>	<i>4</i>	<i>6</i>	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>5</i>	<i>Subtotals</i>	<i>5</i>	<i>8</i>	<i>0</i>
	Total	15		Total	17		Total	13				
<i>Junior</i>	GER	-	-	5	EE 102A	-	4	-	EE 102B	-	4	-
	EE 122	-	3	-	MATH 113	3	-	-	EE 116	-	3	-
	EE 108A	-	4	-	EE 108B	-	4	-	STATS 116	5	-	-
	MATH 131	3	-	-	GER	-	-	5	GER	-	-	5
					ENGR 102E	-	-	1				
	<i>Subtotals</i>	<i>3</i>	<i>7</i>	<i>5</i>	<i>Subtotals</i>	<i>3</i>	<i>8</i>	<i>6</i>	<i>Subtotals</i>	<i>5</i>	<i>7</i>	<i>5</i>
	Total	15		Total	17		Total	17				
<i>Senior</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	EE 222	-	3	-	EE 223	-	3	-	EE 235	-	3	-
	EE 228	-	3	-	EE 216	-	3	-	GER	-	-	5
	EE 268	-	3	-					ENGR 50	-	4	-
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>10</i>
	Total	14		Total	11		Total	17				

Total Math & Science Units: 49
 Total Engineering Units: 73
 Total Other Units: 68
Total Units: 190

Engineering Physics

Electromechanical System Design Specialty Area

	Class	<i>Fall</i> Math/ Sci	Eng	Class	<i>Winter</i> Math/ Sci	Eng	Class	<i>Spring</i> Math/ Sci	Eng
<i>Freshman*</i>	CME100 Phys45/46	5 5		CME102 Phys41	5 4		CME104 Phys43/44	5 5	
<i>Sophomore</i>	Math131 Phys70 EE141	3 4		Phys112 EE142	4		Eng40 Phys110 ME80 (Depth) ME81 (Depth)	4	3 3 3 1
<i>Junior</i>	ME101 CS106X		3 3	ME112(Depth) ME203(Des/WIM) ME103D E102M(WIM)		4 3 1 1	Phys113	4	
<i>Senior</i>	EE222 Phys170		3 4	EE223 Phys172 ME210(Depth)		3 4 4	Engr Course Engr Course		3 3
<i>Units:</i>		21	13		17	19		18	13
<i>Total Math/Sci Units:</i>		56							
<i>Engineering Units:</i>		45							
<i>STS</i>		3 to 5							
<i>Third Eng Fund</i>		3 (E40 and CS106 already listed above)							
Total Eng:		51							
Total Math/Sci/Eng:		107							

* In the Freshman year, students can take the Math 50 series rather than the CME 100 series. If a student has a solid background in math and physics from high school, they can take the Physics 60 series rather than the Physics 40 series, in which case they do not take Phys70 in the Sophomore year.

Engineering Physics

Energy Systems Specialty Area

	Class	<i>Fall</i> Math/ Sci	Eng	Class	<i>Winter</i> Math/ Sci	Eng	Class	<i>Spring</i> Math/ Sci	Eng
<i>Freshman*</i>	CME100 Phys45/46	5 5		CME102 Phys41	5 4		CME104 Phys43/44	5 5	
<i>Sophomore</i>	Math131 Phys70 EE141	3 4		Phys112 EE142	4		Eng40 Phys110 ME70	4	3 3
<i>Junior</i>	ME101 CS106X ME130A(Depth)		3 3 3	ME131B(Depth) ME203(WIM) ME103D E102M(WIM)		4 3 1 1	ME140(Depth) Phys113	4	4
<i>Senior</i>	EE222 Phys170		3	EE223 Phys172 ME210(Depth)		3 4 4			
<i>Units:</i>		21	16		17	19		18	10
<i>Total Math/Sci Units:</i>		56							
<i>Engineering Units:</i>		45							
<i>STS</i>		3 to 5							
<i>Third Eng Fund</i>			3 (E40 and CS106 already listed above)						
Total Eng:			51						
Total Math/Sci/Eng:			107						

* In the Freshman year, students can take the Math 50 series rather than the CME 100 series. If a student has a solid background in math and physics from high school, they can take the Physics 60 series rather than the Physics 40 series, in which case they do not take Phys70 in the Sophomore year.

Engineering Physics

Materials Science Specialty Area

	Class	<i>Fall</i> Math/ Sci	Eng	Class	<i>Winter</i> Math/ Sci	Eng	Class	<i>Spring</i> Math/ Sci	Eng
<i>Freshman*</i>	CME100 Phys45/46	5 5		CME102 Phys41	5 4		CME104 Phys43/44	5 5	
<i>Sophomore</i>	Engr31 Phys70 EE141	4	4 4	Math131 E50 EE142	3	4 3	Eng40 Phys110 MatSci152 (Depth)	4	3 3
<i>Junior</i>	EE222 Phys170 EE261	4	3 3	EE223 Phys171	4	3	MatSci199(Depth)		3
<i>Senior</i>	MatSci193 AP215 MatSci161(WIM)		4 3 4				Phys108(Depth) MatSci162(Depth)	3	4
<i>Units:</i>		18	25		16	10		17	13
<i>Total Math/Sci Units:</i>		51							
<i>Engineering Units:</i>		48							
<i>STS</i>		3 to 5							
<i>Third Eng Fund</i>			3 (E40 and E50 already listed above)						
<i>Total Eng:</i>			54						
Total Math/Sci/Eng:		105							

* In the Freshman year, students can take the Math 50 series rather than the CME 100 series. If a student has a solid background in math and physics from high school, they can take the Physics 60 series rather than the Physics 40 series, in which case they do not take Phys70 in the Sophomore year.

Engineering Physics

Photonics Specialty Area

		<i>Fall</i> Math/			<i>Winter</i> Math/			<i>Spring</i> Math/	
	Class	Sci	Eng	Class	Sci	Eng	Class	Sci	Eng
<i>Freshman*</i>	CME100 Phys45/46	5 5		CME102 Phys41	5 4		CME104 Phys43/44	5 5	
<i>Sophomore</i>	Math131 Phys70 EE141	3 4		EE261 EE142		3 3	Eng40 Phys110	4	3
<i>Junior</i>	EE222 Phys170	4	3	EE223 Phys171 EE101A	4	3 4	MatSci 199 (Depth) EE101B		3 4
<i>Senior</i>	EE231 (Depth) AP 215		3 3	EE133(Design) EE243(Depth) Phys107 (WIM)		3 3 4			
<i>Units:</i>		21	13		17	19		14	10
<i>Total Math/Sci Units:</i>		52							
<i>Engineering Units:</i>		42							
<i>STS</i>		3 to 5							
<i>Two Engr Fund</i>			6 (E40 already listed above)						
Total Eng:		51							
Total Math/Sci/Eng:		103							

* In the Freshman year, students can take the Math 50 series rather than the CME 100 series. If a student has a solid background in math and physics from high school, they can take the Physics 60 series rather than the Physics 40 series, in which case they do not take Phys70 in the Sophomore year.

Engineering Physics

Solid State Physics Specialty Area

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>		
	Class	Math/ Sci	Eng	Class	Math/ Sci	Eng	Class	Math/ Sci	Eng
<i>Freshman*</i>	CME100	5		CME102	5		CME104	5	
	Phys45/46	5		Phys41	4		Phys43/44	5	
<i>Sophomore</i>	Math131	3		EE261		3	Eng40		3
	Phys70	4					Phys110	4	
	EE141		4	EE142		3	Phys113	4	
<i>Junior</i>	EE222		3	EE223		3	EE116(Depth)		3
	Phys170	4		Phys171	4		EE101B		4
	CS106X		3	EE101A		4			
<i>Senior</i>	EE108A (WIM)		3	EE133(Design)		3	EE237(Depth)		3
	Eng102E (WIM)		1	EE236(Depth)		3			
<i>Units:</i>		21	14		13	19		18	13
<i>Total Math/Sci Units:</i>		52							
<i>Engineering Units:</i>		46							
<i>STS</i>		3 to 5							
<i>Third Eng Fund</i>		3		(E40, CS106X already listed above)					
Total Eng:		52							
Total Math/Sci/Eng:		104							

* In the Freshman year, students can take the Math 50 series rather than the CME 100 series. If the student has a solid background in high school math and physics, they can take the Phys 60 series rather than the Phys 40 series, in which case they do not take Phys70 in the Sophomore year.

Environmental Engineering

Early Start Program

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	CHEM 31X	4	-	-	Writing	-	-	3	Writing	-	-	3
	Unrstr Elctv [^]	-	-	2	Unrstr Elctv [^]	-	-	2	Engr Elctv ^{**}	-	3	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>7</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>	<i>Subtotals</i>	<i>5</i>	<i>3</i>	<i>8</i>
Total	16			Total	15			Total	16			
<i>Sophomore</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	ENGR 60	-	3	-	CHEM 33	4	-	-	ENGR 155A	4	-	-
	GER	-	-	5	CEE 172*	-	3	-	Engr Fund	-	3	-
	CEE 70	-	3	-	PHYSICS 41	4	-	-	Engr Elctv ^{**}	-	3	-
	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>10</i>	<i>Subtotals</i>	<i>8</i>	<i>3</i>	<i>5</i>	<i>Subtotals</i>	<i>4</i>	<i>6</i>	<i>5</i>
Total	16			Total	16			Total	15			
<i>Junior</i>	CEE 177	-	4	-	ENGR 30*	-	3	-	CEE 101B*	-	4	-
	CEE 100	-	4	-	CHEM 135***	3	-	-	CEE 160	-	2	-
	CEE 101D	2	-	-	CEE 64	-	3	-	GER	-	-	4
	STAT 110	5	-	-	EnvE Depth	-	4	-	EnvE Depth	-	3	-
	<i>Subtotals</i>	<i>7</i>	<i>8</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>10</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>8</i>
Total	15			Total	13			Total	17			
<i>Senior</i>	CEE166A	-	3	-	CEE166B	-	3	-	CEE 169+	-	5	-
	CEE161A*	-	4	-	CEE 171	-	3	-	GER	-	-	5
	GES 1	5	-	-	CEE 179A	-	2	-				
	GER	-	-	4	EnvE Depth	-	3	-				
	<i>Subtotals</i>	<i>5</i>	<i>7</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>5</i>	<i>5</i>
Total	16			Total	15			Total	10			

Total Math & Science Units: 46

Total Engineering Units: 68

Total Other Units: 66

Total Units: 180

Notes:

^ Students should explore majors of interest to them using these unrestricted electives. Courses in the School of Engineering can count towards the CE major; see description of "Other Elective Courses" for details.

* These classes all are typically offered MWF10.

** In alternate years, when CEE169 is not offered, take CEE179B in the spring to fulfill design experience.

+ Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units; see description of "Other Elective Courses" for details.

*** CHEM 135 or 35 is recommended for students who need units to fulfill the Math & Science minimum requirement.

- Additional 4-year programs for students interested in going abroad are available at <http://ughb.stanford.edu>.

Environmental Engineering

Regular Program

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	MATH 41	5	-	-	MATH 42	5	-	-	MATH 51	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IMUM	-	-	5
	Writing	-	-	3	Writing	-	-	3	GER	-	-	5
	Unrstr Elctv	-	-	2	Unrstr Elctv	-	-	2				
	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>
Total	15			Total	15			Total	15			
<i>Sophomore</i>	Language	-	-	5	Language	-	-	5	Language	-	-	5
	CHEM 31X	4	-	-	PHYSICS 41	4	-	-	CHEM 33	4	-	-
	CEE 70	-	3	-	Engr Elctv+	-	3	-	Engr Elctv+	-	3	-
	GER	-	-	4	GER	-	-	5	GER	-	-	4
	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>9</i>	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>10</i>	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>9</i>
Total	16			Total	17			Total	16			
<i>Junior</i>	Engr Fund	-	3	-	EnvE Depth	-	4	-	CEE 101B*	-	4	-
	CEE 177	-	4	-	CHEM 135**	3	-	-	CEE 160	-	2	-
	CEE 100	-	4	-	CEE 172*	-	3	-	ENGR 155A	4	-	-
	EnvE Depth	-	3	-	STAT 60	5	-	-	GES 1	5	-	-
	<i>Subtotals</i>	<i>0</i>	<i>14</i>	<i>0</i>	<i>Subtotals</i>	<i>8</i>	<i>7</i>	<i>0</i>	<i>Subtotals</i>	<i>9</i>	<i>6</i>	<i>0</i>
Total	14			Total	15			Total	15			
<i>Senior</i>	ENGR 60	-	3	-	CEE 166B	-	3	-	CEE 169+	-	5	-
	CEE 101D	2	-	-	CEE 171	-	3	-	STS	-	-	4
	CEE 161A*	-	4	-	ENGR 30*	-	3	-	EnvE Depth	-	3	-
	CEE 166A	-	3	-	CEE 179A	-	2	-				
	GER	-	-	4	CEE 64	-	3	-				
	<i>Subtotals</i>	<i>2</i>	<i>10</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>14</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>4</i>
Total	16			Total	14			Total	12			

Total Math & Science Units: 46
 Total Engineering Units: 68
 Total Other Units: 66
Total Units: 180

Notes:

- * These classes all are typically offered MWF10.
- ** In alternate years, when CEE169 is not offered, take CEE179B in the spring to fulfill design experience.
- + Enough coursework from within the School of Engineering is needed to reach a total of 68 Engineering Science+Engineering Design Units; see description of "Other Elective Courses" for details.
- *** CHEM 135 or 35 is recommended for students who need units to fulfill the Math & Science minimum requirement.
- Additional 4-year programs for students interested in going abroad are available at <http://ughb.stanford.edu>.

Management Science & Engineering

Sample Program Without AP/IB Math Credit

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Math/				Math/				Math/			
<i>Freshman</i>	Class	Sci.	Engr	Other	Class	Sci.	Engr	Other	Class	Sci.	Engr	Other
	IHum	-	-	5	IHum	-	-	5	IHum	-	-	5
	Writing	-	-	3	Writing	-	-	3	MATH 51	5	-	-
	MATH 41	5	-	-	MATH 42	5	-	-	ECON 1/PSYCH 1	-	-	5
	GER	-	-	3	GER	-	-	3				
	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>11</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>11</i>	<i>Subtotals</i>	<i>5</i>	<i>0</i>	<i>10</i>
	Total	16			Total	16			Total	15		
<i>Sophomore</i>	MATH 53	5	-	-	PHYS23&24/CH31X	4	-	-	Science/CHEM 33	4	-	-
	STATS 110/200	5	-	-	CS 106A	-	5	-	CS 106B	-	5	-
	PHYS 21&22/Sci	4	-	-	ENGR 60	-	3	-	MS&E 111	-	4	-
	ECON 50/Concen	-	5	-	ECON 51/Concen	-	5	-	MS&E 152W/MS&E 180	-	4	-
	<i>Subtotals</i>	<i>14</i>	<i>5</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>13</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>13</i>	<i>0</i>
	Total	19			Total	17			Total	17		
<i>Junior</i>	MS&E 120	5	-	-	MS&E 121	4	-	-	Fundamental	-	3	-
	ENGR 25 or 40	-	5	-	MS&E 131/134	-	4	-	GER	-	-	4
	MS&E 180/Concen	-	4	-	Concentration/TIS	-	4	-	Elective	-	-	5
	Concentration	-	3	-	GER	-	-	3				
	<i>Subtotals</i>	<i>5</i>	<i>12</i>	<i>0</i>	<i>Subtotals</i>	<i>4</i>	<i>8</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>9</i>
	Total	17			Total	15			Total	12		
<i>Senior</i>	MS&E 142 or 160	-	4	-	MS&E 108	-	5	-	GER	-	-	3
	TIS/Concentration	-	4	-	Concentration	-	4	-	Electives	-	-	9
	Concentration	-	4	-	GER	-	-	3				
	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>0</i>	<i>12</i>
	Total	12			Total	12			Total	12		

Total Math & Science Units: 46
 Total Engineering Units: 75
 Total Other Units: 59
Total Units: 180

Management Science & Engineering

Sample Program With AP/IB Math Credit

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr	Other	Class	Math/ Sci.	Engr	Other	Class	Math/ Sci.	Engr	Other
<i>Freshman</i>	IHum	-	-	5	IHum	-	-	5	IHum	-	-	5
	Writing	-	-	3	Writing	-	-	3	CHEM 33/PHYS 43	4	-	-
	MATH 51	5	-	-	MATH 53	5	-	-	ECON 1/PSYCH 1	-	-	5
	GER	-	-	3	CHEM 31X/PHYS 41	4	-	-	GER	-	-	3
	<i>Subtotals</i>	5	0	11	<i>Subtotals</i>	9	0	8	<i>Subtotals</i>	4	0	13
	Total			16	Total			17	Total			17
<i>Sophomore</i>	STATS 110/200	5	-	-	CS 106A	-	5	-	CS 106B	-	5	-
	Science	3	-	-	ENGR 60	-	3	-	MS&E 111	-	4	-
	ENGR 25 or 40	-	5	-	ECON 51/Concen	-	5	-	MS&E 152W/MS&E 180	-	4	-
	ECON 50/Concen	-	5	-	GER	-	-	3	GER	-	-	3
	<i>Subtotals</i>	8	10	0	<i>Subtotals</i>	0	13	3	<i>Subtotals</i>	0	13	3
	Total			18	Total			16	Total			16
<i>Junior</i>	MS&E 120	5	-	-	MS&E 121	4	-	-	Fundamental	-	3	-
	MS&E 180/Concen	-	4	-	MS&E 131/134	-	4	-	GER	-	-	4
	Concentration	-	4	-	Concentration/TIS	-	4	-	Elective	-	-	3
	Concentration	-	3	-	GER	-	-	3	Elective	-	-	3
	<i>Subtotals</i>	5	11	0	<i>Subtotals</i>	4	8	3	<i>Subtotals</i>	0	3	10
	Total			16	Total			15	Total			13
<i>Senior</i>	MS&E 142 or 160	-	4	-	MS&E 108	-	5	-	Electives	-	-	12
	TIS/Concentration	-	4	-	Concentration	-	4	-				
	Elective	-	-	4	Elective	-	-	3				
	<i>Subtotals</i>	0	8	4	<i>Subtotals</i>	0	9	3	<i>Subtotals</i>	0	0	12
	Total			12	Total			12	Total			12

Total Math & Science Units: 35

Total Engineering Units: 75

Total Other Units: 70

Total Units: 180

Materials Science and Engineering
Sample 4-Year Plan

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	MATH 51	5	-	-	MATH 52	5	-	-	MATH 53	5	-	-
	IHUM	-	-	5	IHUM	-	-	5	IHUM	-	-	5
	E31	4	-	-	Chem 33	4	-	-	PHYS 43	4	-	-
	Fr. Seminar	-	-	4	PHYS 41	4	-	-	PWR 1	-	-	4
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>9</i>	<i>Subtotals</i>	<i>13</i>	<i>0</i>	<i>5</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>9</i>
	Total			18	Total			18	Total			18
<i>Sophomore</i>	PHYS 45	4	-	-	E50	-	4	-	MATSCI 160	-	4	-
	Engr. Fund	-	3	-	Engr. Fund	-	3	-	MATSCI 152	-	4	-
	PWR 2	-	-	4	Language	-	-	5	Language	-	-	5
	Language	-	-	5	Soph. Seminar	-	-	3	Engr. Fund	-	3	-
	<i>Subtotals</i>	<i>4</i>	<i>3</i>	<i>9</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>5</i>
	Total			16	Total			15	Total			16
<i>Junior</i>	MATSCI 151	-	4	-	MATSCI 161	-	4	-	MATSCI 155	-	4	-
	MATSCI 154	-	4	-	MATSCI 153	-	4	-	GER	-	-	3
	MATSCI 163	-	4	-	GER	-	-	3	GER	-	-	3
	GER	-	-	3	Math Elective	3	-	-	Option Sequence	-	3	-
	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>3</i>	<i>Subtotals</i>	<i>3</i>	<i>8</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>6</i>
	Total			15	Total			14	Total			13
<i>Senior</i>	Option Sequence	-	4	-	MATSCI 162	-	4	-	Option Sequence	-	3	-
	190s series	-	4	-	Option Sequence	-	3	-	GER	-	-	3
	GER	-	-	3	Tech in Society	-	4	-	GER	-	4	-
	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>11</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>3</i>
		Total			11	Total			11	Total		

AP Math Units: 5
 UG Math & Science Units: 38
 Total Engineering Units: 74
 Total Other Units: 63
Total Units: 180

Mechanical Engineering

Plan A (Beginning with Math 40 series)

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	IHUM		5	IHUM			5	IHUM			5	
	Writing	-	-	3	Writing	-	-	3	Math 51	5	-	-
	MATH 41	5	-	-	MATH 42	5	-	-	PHYSICS 43	4	-	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	ENGR 14	-	3	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>5</i>
Total			17	Total			17	Total			17	
<i>Sophomore</i>	ME 101	-	3	-	ME 203	-	4	-	Elective	-	-	5
	ME80/81	-	4	-	ME 103D	-	1	-	ENGR 15	-	3	-
	ENGR 40	-	5	-	ENGR 102M	-	1	-	CME 104	5	-	-
	CHEM 31X	4	-	-	ME 70	-	4	-	GER	-	-	4
	ENGR 30	-	3	-	CME 102	5	-	-				
	<i>Subtotals</i>	<i>4</i>	<i>15</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>10</i>	<i>0</i>	<i>Subtotals</i>	<i>5</i>	<i>3</i>	<i>9</i>
Total			19	Total			18	Total			17	
<i>Junior</i>	ME 131A	-	4	-	ME 131B	-	3	-	ME 140	-	5	-
	ME 161	-	4	-	ENGR 70A	-	5	-	Engr. Fund.	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	Sci. Elective	3	-	-	GER	-	-	4	GER	-	-	4
	<i>Subtotals</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>9</i>	Depth Course	-	3	-
Total			16	Total			17	Total			20	
<i>Senior</i>	Elective	-	3	-	ME 112	-	4	-	ME 113	-	4	-
	Depth Course	-	3	-	Depth course	-	3	-	Sci. Elective	3	-	-
	GER	-	-	5	TIS course	-	-	5	GER	-	-	5
	Depth Course	-	3	-	GER	-	-	4	GER	-	-	5
	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>9</i>	<i>Subtotals</i>	<i>3</i>	<i>4</i>	<i>10</i>
Total			14	Total			16	Total			17	

Total Math & Science Units: 47
 Total Engineering Units: 78
 Total Other Units: 77
Total Units: 202

Notes:

- ME 203 must be taken concurrently with ENGR 102M to fulfill the "Writing in the Major" requirement.
- E30 may be taken one quarter earlier.
- Students who test out of the language requirement should replace language units with technical electives.
- Students without AP math/science credit should add math units to this program (24 math units and 21 science units are required).
- Students with AP Physics consult the chart under "ME Requirements".
- Students may take CME100 in Fall (Sophomore Yr) instead of MATH 51 in Spring (Freshman Yr)
- CME 100, 102, 104 are also listed as ENGR 154, 155A, and 155B.
- ENGR 30 may be taken in Winter and ME70 in Spring.
- ENGR 15 may be taken in Spring.

Mechanical Engineering

Plan B (Beginning with CME 100 Series)

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	IHUM		5	IHUM			5	IHUM			5	
	Writing	-	-	3	Writing	-	-	3	CME 104	5	-	-
	CME 100	5	-	-	CME 102	5	-	-	PHYS 43	4	-	-
	PHYS 45	5			PHYS 41	4	-	-	ENGR 14	-	3	-
	<i>Subtotals</i>	<i>10</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>5</i>
Total			18	Total			17	Total			17	
<i>Sophomore</i>	ME 101	-	3	-	ME 203	-	4	-	ME 70	-	4	-
	ENGR 15	-	3	-	ME 103D	-	1	-	ENGR 40	-	5	-
	ENGR 30	-	3	-	ENGR 102M	-	1	-	Elective	-	-	5
	ME80/81	-	4	-	Elective	-	-	3	Elective	-	-	3
	CHEM 31X	4	-		GER	-	-	4				
<i>Subtotals</i>	<i>4</i>	<i>13</i>	<i>0</i>	<i>Subtotals</i>	<i>0</i>	<i>6</i>	<i>7</i>	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>8</i>	
Total			17	Total			13	Total			17	
<i>Junior</i>	ME 131A	-	4	-	ME 131B	-	3	-	ME 140	-	5	-
	ME 161	-	4	-	ENGR 70A	-	5	-	Engr.Fund	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	Sci. Elective	3	-	-	GER	-	-	4	GER	-	-	4
	<i>Subtotals</i>	<i>3</i>	<i>8</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>9</i>	Depth Course	-	3	-
Total			16	Total			17	Total			20	
<i>Senior</i>	Elective	-	4	-	ME 112	-	4	-	ME 113	-	4	-
	Depth Course	-	3	-	Depth Course	-	3	-	Sci. Elct	3	-	-
	Elective	-	-	3	TIS course	-	-	5	GER	-	-	4
	GER	-	-	5	GER	-	-	4	GER	-	-	5
	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>9</i>	<i>Subtotals</i>	<i>3</i>	<i>4</i>	<i>9</i>
Total			15	Total			16	Total			16	

Total Math & Science Units:	38
Total Engineering Units:	76
Total Other Units:	85
Total Units:	199

Notes:

- ME 203 must be taken concurrently with ENGR 102M to fulfill the "Writing in the Major" requirement.
- ENGR 30 may be taken one quarter earlier.
- Students who test out of the language requirement should replace language units with technical electives.
- Students without AP math credit should add math units to this program (24 units total are required).
- Students with AP Physics consult the chart under "ME Requirements".
- ENGR 15 may be taken in Spring.
- Students may elect to take Math 51, 52, 53 instead of CME 100, 102, 104.
- CME 100, 102, 104 are also listed as ENGR 154, 155A, and 155B.

Mechanical Engineering

Plan C (Tough, since both 113 and 140 are taken senior year)

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>					
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	IHUM			5	IHUM			5	IHUM			5
	Writing	-	-	3	Writing	-	-	3	CME 104	5	-	-
	CME 100	5	-	-	CME 102	5	-	-	PHYSICS 43	4	-	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	ENGR 14	-	3	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>5</i>
Total			17	Total			17	Total			17	
<i>Sophomore</i>	ENGR 15	-	3	-	ME 203	-	4	-	GER	-	-	4
	ENGR 30	-	3	-	ME 103D	-	1	-	ME 70	-	4	-
	ME 101	-	3	-	ENGR 102M	-	1	-	ENGR 40	-	5	-
	ME 80/81	-	4	-	Elective	-	-	3	Elective	-	-	3
	CHEM 31X	4			Sci Elec	3	-	-				
<i>Subtotals</i>	<i>4</i>	<i>13</i>	<i>0</i>	<i>Subtotals</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>7</i>	
Total			17	Total			12	Total			16	
<i>Junior</i>	ENGR 70A	-	5	-	Sci. Elective	3	-	-	Sci. Elective	3	-	-
	ME 161	-	4	-	Elective	-	-	4	Engr. Fund.	-	3	-
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	Depth course	-	3	-	GER	-	-	4	GER	-	-	4
	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>5</i>	<i>Subtotals</i>	<i>3</i>	<i>0</i>	<i>13</i>	<i>Subtotals</i>	<i>3</i>	<i>3</i>	<i>9</i>
Total			17	Total			16	Total			15	
<i>Senior</i>	Depth course	-	3	-	ME 112	-	4	-	ME 113	-	4	-
	ME 131A	-	4	-	ME 131B	-	3	-	ME 140	-	5	-
	Elective	-	-	3	TIS course	-	-	5	Elective	-	-	3
	GER	-	-	5	Depth Course	-	3	-	GER	-	-	5
	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>8</i>
Total			15	Total			15	Total			17	

Total Math & Science Units: 40
 Total Engineering Units: 72
 Total Other Units: 79
Total Units: 191

Notes:

- ME 203 must be taken concurrently with ENGR 102M to fulfill the "Writing in the Major" requirement.
- ENGR 30 may be taken one quarter earlier.
- Students who test out of the language requirement should replace language units with technical electives.
- Students without AP math credit should add math units to this program (24 units total are required).
- Students with AP Physics credit consult the chart under "ME Requirements"
- ME 70 May be taken in Winter or Spring.
- CME 102 May be taken Autumn or Spring.
- Students may elect to take Math 51, 52, 53.
- CME 100, 102, 104 are also listed as ENGR 154, 155A, and 155B.

Mechanical Engineering

Plan D (For those who want to do it all)

	<i>Fall</i>			<i>Winter</i>				<i>Spring</i>				
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	
<i>Freshman</i>	IHUM			5	IHUM			5	IHUM			5
	Writing	-	-	3	Writing	-	-	3	CME 104	5	-	-
	CME 100	5	-	-	CME 102	5	-	-	PHYSICS 43	4	-	-
	PHYSICS 45	4	-	-	PHYSICS 41	4	-	-	ENGR 14	-	3	-
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>3</i>	<i>5</i>
Total	17			Total	17			Total	17			
<i>Sophomore</i>	ENGR 30	-	3	-	ME 203	-	4	-	ME 70	-	4	-
	ENGR 15	-	3	-	ME 103D	-	1	-	ENGR 40	-	5	-
	CHEM 31X	4	-	-	ENGR 102M	-	1	-	ENGR Fund	-	3	-
	GER	-	-	5	ME 101	-	3	-	Sci Elective	3	-	-
	ME80/81	-	4	-	GER	-	-	4				
	<i>Subtotals</i>	<i>4</i>	<i>10</i>	<i>5</i>	<i>Subtotals</i>	<i>3</i>	<i>9</i>	<i>4</i>	<i>Subtotals</i>	<i>3</i>	<i>12</i>	<i>0</i>
Total	19			Total	16			Total	15			
<i>Junior</i>	ME 131A	-	4	-	ME 131B	-	3	-	ME 140	-	5	-
	ME 161	-	4	-	ENGR155C	5	-	-	GER	-	-	4
	Language	-	-	5	Language	-	-	5	Language	-	-	5
	ENGR 70A	-	5	-	GER	-	-	4	GER	-	-	4
	<i>Subtotals</i>	<i>0</i>	<i>13</i>	<i>5</i>	<i>Subtotals</i>	<i>5</i>	<i>3</i>	<i>9</i>	<i>Subtotals</i>	<i>0</i>	<i>5</i>	<i>13</i>
Total	18			Total	17			Total	18			
<i>Senior</i>	Sci Elective	3	-	-	ME 112	-	4	-	ME 113	-	4	-
	Elective	-	-	3	Depth course	-	3	-	Sci. Elective	3	-	-
	Depth Course	-	3	-	TIS course	-	-	5	GER	-	-	4
	GER	-	-	5	Elective	-	-	4	GER	-	-	5
	<i>Subtotals</i>	<i>3</i>	<i>3</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>9</i>	<i>Subtotals</i>	<i>3</i>	<i>7</i>	<i>9</i>
Total	14			Total	16			Total	19			

Total Math & Science Units: 48
 Total Engineering Units: 72
 Total Other Units: 83
Total Units: 203

Notes:

- ME 203 must be taken currently with ENGR 102M to fulfill the "Writing in the Major" requirement.
- ENGR 30 may be taken one quarter earlier.
- Students who test out of the language requirement should replace language units with technical electives.
- Students without AP math/science credit should add math/science units to this program (24 math & 21 science are required).
- Students with AP credit in Physics consult the chart under "ME Requirements".
- Students may elect to take Math 51, 52 & 53 instead of CME 100, 102, 104.
- CME 100, 102, 104 are also listed as ENGR 154, 155A, and 155B.
- ME 70 may be taken in Winter or Spring.

Mechanical Engineering: Stanford/Ecole Centrale Paris

Sample Program with Junior Abroad at Ecole Centrale Paris

	<i>Fall</i>				<i>Winter</i>				<i>Spring</i>			
	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	IHUM			5	IHUM			5	IHUM			5
	Math 51	5			Math 52	5			Math 53	5		
	Physics 45	4			Physics 41	4			Physics 43	4		
	Writing			3	Writing			3	Engr 14		3	
	Subtotals	9	0	8	Subtotals	9	0	8	Subtotals	9	3	5
Total	17			Total	17			Total	17			
<i>Sophomore</i>	French 1			5	French 2			5	French 3			5
	Chem 31X	4			ME203		4		Engr 15		3	
	ME80/81		4		ME103D		1		CME 104	5		
	Engr 40		5		Engr 102M		1		GER			4
	Engr 30		3		CME 102	5			Subtotals	5	3	9
	Subtotals	4	12	5	Subtotals	5	6	5	Subtotals	5	3	9
Total	21			Total	16			Total	17			
<i>*Junior At Ecole</i>	Phys 130	5			ME70		4		ME131A		4	
	ME331A	5			Engr 155C	3			Sci. Elective*	6		
	Math 106	3			Engr 70A		5		Phil 10			3
	Engr 25		3		Soc120/Econ1			4	World Culture			4
	Subtotals	13	3	0	Subtotals	3	9	4	Subtotals	6	4	7
Total	16			Total	16			Total	17			
<i>Senior</i>	ME101		3		ME112		4		ME113		3	
	Depth course		3		Depth Course		3		ME140		5	
	GER			5	TIS course		5		GER			5
	Depth course		3		GER			4	GER			5
	ME161		4		ME131B		3		Subtotals	0	8	10
	Subtotals	0	13	5	Subtotals	0	15	4	Subtotals	0	8	10
Total	18			Total	19			Total	18			

Total Math & Science Units: 63
 Total Engineering Units: 76
 Total Other Units: 70
Total Units: 209

Notes:

*Stanford equivalent courses taken at Ecole.

ME 203 must be taken concurrently with ENGR 102M to fulfill the "Writing in the Major" requirement.

E30 may be taken one quarter earlier.

Students without AP math/science credit should add math units to this program (24 math units and 21 science units are required).

Students with AP Physics consult the chart under "ME Requirements".

ENGR 30 may be taken in Winter .

ENGR 15 may be taken in Spring.

CME 100, 102, 104 are also listed as ENGR 154, 155A, and 155B.

Product Design

Typical 4 Year Plan

	<i>Fall</i>			<i>Winter</i>			<i>Spring</i>				
	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other	Class	Math/ Sci.	Engr.	Other
<i>Freshman</i>	MATH 41	5			MATH 42	5			PSYCH1		5
	PHYSICS 45	4			PHYSICS 41	4			MATH 51	5	
	IHUM			5	IHUM			5	PHYSICS 43	4	
	Writing			3	Writing			3	IHUM		5
	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>	<i>8</i>	<i>Subtotals</i>	<i>9</i>	<i>0</i>
Total			17	Total			17	Total			19
<i>Sophomore</i>	Language			5	Language			5	Language		5
	ENGR 14		3		ARTSTUDI 160			3	ME120		3
	ARTSTUDI 60			3	ME101		3		PSYCH elective		3
	ENGR 40		5		ME110A		1		ARTSTUDI elective		3
					STATS 60	5			GER		3
<i>Subtotals</i>	<i>0</i>	<i>8</i>	<i>8</i>	<i>Subtotals</i>	<i>5</i>	<i>4</i>	<i>8</i>	<i>Subtotals</i>	<i>0</i>	<i>3</i>	<i>14</i>
Total			16	Total			17	Total			17
<i>Junior</i>	ME203*		4		ME112		4		Overseas studies		3
	ME103D		1		ME115		3				
	ENGR 102M*		1		ENGR 70A		5				
	ARTSTUDI elective			3	GER			3			
	ME80		3								
	GER			3							
<i>Subtotals</i>	<i>0</i>	<i>9</i>	<i>6</i>	<i>Subtotals</i>	<i>0</i>	<i>12</i>	<i>3</i>	<i>Subtotals</i>	<i>0</i>	<i>0</i>	<i>3</i>
Total			15	Total			15	Total			3
<i>Senior</i>	ME116		4		ME216A		4		ME216B		4
	Engr. Fund.		3		GER			3	GER		3
	Sci Elective	3			GER			3	Elective		3
	Math Elective	3			Elective		3		Elective		4
	GER			4	Elective			1	Sci Elective	3	
	<i>Subtotals</i>	<i>6</i>	<i>7</i>	<i>4</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>	<i>7</i>	<i>Subtotals</i>	<i>0</i>	<i>7</i>
Total			17	Total			14	Total			14

Total Math & Science Units: 38
 Total Engineering Units: 57
 Total Other Units: 86
Total Units: 181

Notes:

* ME203 must be taken concurrently with ENGR 102M to fulfill the "Writing in the Major" requirement.