

FRESHMAN YEAR (1ST)		SOPHOMORE YEAR (2ND)		JUNIOR YEAR (3RD)		SENIOR YEAR (4TH)	
<b>Fall Semester</b>	<b>15</b>	<b>Fall Semester</b>	<b>16</b>	<b>Fall Semester</b>	<b>16</b>	<b>Fall Semester</b>	<b>13</b>
CHM 1045 - Gen Chemistry I	3	ECH 3023 - Mass & Energy Bal I	3	BME 3101 - Biothermodynamics	3	BME 4332 - Cell & Tissue Engr	3
CHM 1045L - Gen Chem I Lab	1	CHM 3217 - Organic Chemistry*	3	BME 3266 - Biotransport Phenom	3	BME 4332L - Cell&TissEngr Lab	1
MAC 2311 - Calculus I <sup>1</sup>	4	MAC 2313 - Calculus III	5	BME 3854 - BME Computations	4	BME 4604 - BME Design I	3
ENC 1101 - English I	3	PHY 2048C - Gen Physics A w/ L	5	BME 4403C - QtAnatSystPhys I	3	BME 4937 - BME Elective I <sup>4</sup>	3
Social Science <sup>2</sup>	3	* (or CHM 2210)		E-Series (IFS) <sup>2</sup>	3	ECH 4504 - Kinetics&ReactorDes	3
EGN 1004L - 1st Yr Engr Lab	1						
<b>Spring Semester</b>	<b>14</b>	<b>Spring Semester</b>	<b>16</b>	<b>Spring Semester</b>	<b>13</b>	<b>Spring Semester</b>	<b>13</b>
CHM 1046 - Gen Chemistry II	3	ECH 3024 - Mass & Energy Bal II	4	BME 3100 - Biomaterials	3	BME 4323 - Biodynamics&Contrl	3
CHM 1046L - Gen Chem II Lab	1	ECH 3301 - Process Anal & Des	4	BME 4211 - Biomechanics	3	BME 4323L - Biodyn&Contrl Lab	1
MAC 2312 - Calculus II	4	BCH 3023 - Survey Biochemistry*	3	BME 4404C - QtAnatSystPhys II	3	BME 4615 - BME Design II	3
ENC 2135 - English II	3	PHY 2049C - Gen Physics B w/ L	5	BME 4503 - Bioinstrumentation	3	BME 4937 - BME Elective II <sup>4</sup>	3
BSC 2010 - Biological Science I	3	* (or CHM 2211)		BME 4503L - Bioinstrument Lab	1	BME XXXX - BME Elective III <sup>4</sup>	3
<b>Summer Semester <sup>3</sup></b>	<b>9</b>	<b>Summer Semester <sup>3</sup></b>	<b>3</b>	<b>Summer Semester</b>	<b>0</b>	<b>Summer Semester</b>	<b>0</b>
History <sup>2</sup>	3	BME 3009 - Intro Biomed Engr	3				
Humanities <sup>2</sup>	3	(see Note 3, below)					
Ethics <sup>2</sup>	3						

<sup>1</sup> Students taking MAC 1105, MAC 1114, and/or MAC 1140 as prerequisites to MAC 2311 should take a math course every term (including summers) until completing the math sequence.

<sup>2</sup> History, Social Science, and Humanities electives are to be selected to satisfy the Liberal Studies or General Education requirements. See the Checklist (reverse side) for details. Two (2) courses must include a writing "W" designation. The Liberal Studies courses taken must include one course with an "x" designation and one course with a "y" designation.

<sup>3</sup> Most courses shown in the Freshman and Sophomore years of this Guide are also taught during the Summer terms, during which students are encouraged to make up missed classes. Nine (9) hours of summer credit must be taken at one of the twelve state universities in Florida sometime during the college career.

<sup>4</sup> See approved Biomedical Engineering electives on reverse side.

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CHM 1045 - Gen Chemistry I	3	ECH 3023 - Mass & Energy Bal I	3	BME 3101 - Biothermodynamics	3	BME 4332 - Cell & Tissue Engr	3
CHM 1045L - Gen Chem I Lab	1	CHM 3217 - Organic Chemistry*	3	BME 3266 - Biotransport Phenom	3	BME 4332L - Cell&TissEngr Lab	1
MAC 2311 - Calculus I <sup>1</sup>	4	MAC 2313 - Calculus III	5	BME 3854 - BME Computations	4	BME 4604 - BME Design I	3
ENC 1101 - English I	3	PHY 2048C - Gen Physics A w/ L	5	BME 4403C - QtAnatSystPhys I	3	BME 4937 - BME Elective I <sup>4</sup>	3
Social Science <sup>2</sup>	3	* (or CHM 2210)		E-Series (IFS) <sup>2</sup>	3	BME 4937 - BME Elective II <sup>4</sup>	3
EGN 1004L - 1st Yr Engr Lab	1						
<b>Spring Semester</b>	<b>14</b>	<b>Spring Semester</b>	<b>16</b>	<b>Spring Semester</b>	<b>13</b>	<b>Spring Semester</b>	<b>13</b>
CHM 1046 - Gen Chemistry II	3	ECH 3024 - Mass & Energy Bal II	4	BME 3100 - Biomaterials	3	BME 4323 - Biodynamics&Contrl	3
CHM 1046L - Gen Chem II Lab	1	ECH 3301 - Process Anal & Des	4	BME 4211 - Biomechanics	3	BME 4323L - Biodyn&Contrl Lab	1
MAC 2312 - Calculus II	4	BCH 3023 - Survey Biochemistry*	3	BME 4404C - QtAnatSystPhys II	3	BME 4615 - BME Design II	3
ENC 2135 - English II	3	PHY 2049C - Gen Physics B w/ L	5	BME 4503 - Bioinstrumentation	3	BME 4937 - BME Elective III <sup>4</sup>	3
BSC 2010 - Biological Science I	3	* (or CHM 2211)		BME 4503L - Bioinstrument Lab	1	ECH 4823 - Polymer Sci & Engr	3
<b>Summer Semester <sup>3</sup></b>	<b>9</b>	<b>Summer Semester <sup>3</sup></b>	<b>3</b>	<b>Summer Semester</b>	<b>0</b>	<b>Summer Semester</b>	<b>0</b>
History <sup>2</sup>	3	BME 3009 - Intro Biomed Engr	3				
Humanities <sup>2</sup>	3	(see Note 3, below)					
Ethics <sup>2</sup>	3						

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CHM 1045 - Gen Chemistry I	3	ECH 3023 - Mass & Energy Bal I	3	BME 3101 - Biothermodynamics	3	BME 4242 - Medical Imaging	3
CHM 1045L - Gen Chem I Lab	1	CHM 3217 - Organic Chemistry*	3	BME 3266 - Biotransport Phenom	3	BME 4242L - Medical Imag Lab	1
MAC 2311 - Calculus I <sup>1</sup>	4	MAC 2313 - Calculus III	5	BME 3854 - BME Computations	4	BME 4321 - BiosignalsSystProc	3
ENC 1101 - English I	3	PHY 2048C - Gen Physics A w/ L	5	BME 4403C - QtAnatSystPhys I	3	BME 4604 - BME Design I	3
Social Science <sup>2</sup>	3	* (or CHM 2210)		E-Series (IFS) <sup>2</sup>	3	BME 4937 - BME Elective I <sup>4</sup>	3
EGN 1004L - 1st Yr Engr Lab	1						
<b>Spring Semester</b>	<b>14</b>	<b>Spring Semester</b>	<b>16</b>	<b>Spring Semester</b>	<b>13</b>	<b>Spring Semester</b>	<b>13</b>
CHM 1046 - Gen Chemistry II	3	ECH 3024 - Mass & Energy Bal II	4	BME 3100 - Biomaterials	3	BME 4323 - Biodynamics&Contrl	3
CHM 1046L - Gen Chem II Lab	1	ECH 3301 - Process Anal & Des	4	BME 4211 - Biomechanics	3	BME 4323L - Biodyn&Contrl Lab	1
MAC 2312 - Calculus II	4	BCH 3023 - Survey Biochemistry*	3	BME 4404C - QtAnatSystPhys II	3	BME 4615 - BME Design II	3
ENC 2135 - English II	3	PHY 2049C - Gen Physics B w/ L	5	BME 4503 - Bioinstrumentation	3	BME 4937 - BME Elective II <sup>4</sup>	3
BSC 2010 - Biological Science I	3	* (or CHM 2211)		BME 4503L - Bioinstrument Lab	1	BME XXXX - BME Elective III <sup>4</sup>	3
<b>Summer Semester <sup>3</sup></b>	<b>9</b>	<b>Summer Semester <sup>3</sup></b>	<b>3</b>	<b>Summer Semester</b>	<b>0</b>	<b>Summer Semester</b>	<b>0</b>
History <sup>2</sup>	3	BME 3009 - Intro Biomed Engr	3				
Humanities <sup>2</sup>	3	(see Note 3, below)					
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