

NAME			MAJOR:	Biomedical Engineering							
STUDENT ID#			FOCUS	AREA: Biomechanics and Human Performance Engineering							
TRANSFER FROM			MINOR:								
TERM/YEAR ADMITTED:			CATEGORY:								
TERM/YEAR COMPLETED:			(BS;BS/MS,etc)								
Category and Course	Equivalent Alternative	Type and Purpose of Course	Year/Quarter Suggested	Year/Quarter Taken	Sci/Math Credits	Engineer Credits	Design Y/N	General Credits	Liberal Y/N	Free Elective	Total Credits
<b>Term 1</b>											
MATH 121 Calculus I		Required - Engineering Curriculum	Frosh-1		3	1	Y				4
CS 121 Computational Laboratory I		Required - Engineering Curriculum	Frosh-1			1	Y				1
CHEM 101 General Chemistry I		Required - Engineering Curriculum	Frosh-1		3.5						3.5
ENGR 101 Engineering Design Laboratory I		Required - Engineering Curriculum	Frosh-1		0.5	1.5	Y				2
ENGL 101 Expository Writing and Reading		Required - Engineering Curriculum	Frosh-1					3	Y		3
University Seminar		Required - University Curriculum	Frosh-1					1			1
BMES 125 - Found. of Biomedical Engineering		Required - BME Curriculum	Frosh-1		1	1					2
											<b>16.5</b>
<b>Term 2</b>											
MATH 122 Calculus II		Required - Engineering Curriculum	Frosh -2		3	1	Y				4
PHYS 101 Fundamentals of Physics I		Required - Engineering Curriculum	Frosh -2		3	1	Y				4
CHEM 102 Chemistry II		Required - Engineering Curriculum	Frosh -2		3.5	1					4.5
ENGR 102 Engineering Design Laboratory II		Required - Engineering Curriculum	Frosh -2		0.5	1.5	Y				2
ENGL 102 Persuasive Writing and Reading		Required - Engineering Curriculum	Frosh -2					3	Y		3
CS 122 Computational Laboratory II		Required - Engineering Curriculum	Frosh -2			1	Y				1
University Seminar		Required - University Curriculum	Frosh -2					0.5			0.5
CO-OP 101		Required - University Curriculum	Frosh -2								
		Fall/Winter CO-OP Cycle									<b>19</b>
<b>Term 3</b>											
MATH 200 Multivariate Calculus		Required - Engineering Curriculum	Frosh -3		3	1	Y				4
PHYS 102 Fundamentals of Physics II		Required - Engineering Curriculum	Frosh -3		3	1	Y				4
BIO 122: Cells and Genetics		Required - Engineering Curriculum	Frosh -3		4.5						4.5
ENGR 103 Engineering Design Laboratory III		Required - Engineering Curriculum	Frosh -3		0.5	1.5	Y				2
ENGL 103 Analytical Writing and Reading		Required - Engineering Curriculum	Frosh -3					3	Y		3
CS 123 Computational Laboratory III		Required - Engineering Curriculum	Frosh -3			1	Y				1
University Seminar		Required - University Curriculum	Frosh -3					0.5			0.5
CO-OP 101		Required - University Curriculum	Frosh -3								
		Spring/Summer CO-OP Cycle									<b>19</b>
<b>Term 4</b>											
ENGR 221 Linear Engineering Systems		Required - Engineering Curriculum	Soph -1		2	1					3
PHYS 201 Physics III		Required - Engineering Curriculum	Soph -1		3	1					4
ENGR 220 Materials		Required - Engineering Curriculum	Soph -1			4					4
BIO 201 Human Physiology I		Required - BME Curriculum	Soph -1		4						4
ENGR 201 EPED I		Required - Engineering Curriculum	Soph -1			3					3
											<b>18</b>
<b>Term 5</b>											
ENGR 222 Dynamic Systems Engineering		Required - Engineering Curriculum	Soph -2		2	1					3
BMES 212 The Body Synthetic		Required - BME Curriculum	Soph -2		1	2					3
ENGR 202 EPED II		Required - Engineering Curriculum	Soph -2			3					3
BIO 203 - Human Physiology II		Required - BME Curriculum	Soph -2		4						4
MEM 202 Statics		Required - BME Curriculum	Soph -2			3					3
BMES 302 - Biomed. Eng Lab. II: Measurements		Required - BME Curriculum	Soph -2		1	1					2
											<b>18</b>

<b>Term 6</b>									
BMES 221 - Eng. Principles of Living Systems I		Required - BME Curriculum	PreJun - 1	2	1				3
ECE 201 Fund Electric Circuits		Required - BME Curriculum	PreJun - 1		3				3
BMES 480 Biosimulation		Required - BME Curriculum	PreJun - 1	1	2		Y		3
BMES 301 Biomed. Eng Lab I: Biomechanics		Required - BME Curriculum	PreJun - 1	1	1				2
BMES 306: Computational Design Lab (ie., ProE)	MEM 201	Required - Biomechanics/Human Perf.			2				2
HIST 285 History of Technology		Required - Engineering Curriculum	PreJun - 1			3	Y		3
									16
<b>Term 7</b>									
BMES 222 Eng. Principles of Living Systems II		Required - BME Curriculum	PreJun - 2	2	1				3
BMES 303 - Biomed. Eng Lab III: Electronics		Required - BME Curriculum	PreJun - 2		2				2
MEM 230 - Mechanics of Materials I		Pre-Req for Biomechanics I	PreJun - 2		4				4
PSY 101 - General Psychology		Required - Biomechanics/Human Perf.	PreJun - 2			3	Y		3
BMES 310 - Biomedical Statistics		Required - BME Curriculum	PreJun - 2	4					4
									16
<b>Term 8</b>									
PSY 213 - Sensation and Perception		Biomech/Hum. Perf. Elective	Junior - 1	3					3
BMES 411 - Chronoengineering I		Required - Biomechanics/Human Perf.	Junior - 1	2.5	0.5				3
BMES 305: Anatomy Lab for BMEs		Required - Biomechanics/Human Perf.	Junior - 1		2				2
BMES 338 Biomedical Ethics and Law		Required - BME Curriculum	Junior - 1			3			3
BMES 430: Neural Aspects of Posture & Locomotion		Required - Biomechanics/Human Perf.	Junior - 1	2	1				3
BMES 381 - Junior Seminar I		Required - BME Curriculum	Junior - 1		2				2
									16
<b>Term 9</b>									
MEM 238 - Dynamics		Pre-Req for Biomechanics I	Junior - 2		4				4
Choice: BMES 375 or BMES 401		Required - BME Curriculum	Junior - 2	1	3				4
Liberal Studies		Required - BME Curriculum	Senior - 2			3	Y		3
BMES 412 - Chronoengineering II		Required - Biomechanics/Human Perf.	Junior - 2	2.5	0.5				3
BMES 382 - Junior Seminar II		Required - BME Curriculum	Junior - 2			2	Y		2
									16
<b>Term 10</b>									
BMES 441 - Biomechanics I		Required - Biomechanics/Human Perf.	Senior - 1	1	3				4
BMES 440 - Biodynamics		Required - Biomechanics/Human Perf.	Senior - 1	1	2				3
Liberal Studies		Required - BME Curriculum	Senior - 1			3	Y		3
BMES 451 - Transport Phenomena in Living Systems 1		Required - Biomechanics/Human Perf.	Senior - 1	1	3				4
Senior Design I		Required - BME Curriculum	Senior - 1		2	Y			2
									16
<b>Term 11</b>									
BMES 442 - Biomechanics II		Required - BME/Biomechanics	Senior - 2	1	3				4
PSY 332 - Human Factors and Cognitive Engin.		Biomech/Hum. Perf. Elective	Senior - 2	2	1				3
General Studies		Required - BME Curriculum	Senior - 2			3			3
Senior Design II		Required - BME Curriculum	Senior - 2		2	Y			2
									12
<b>Term 12</b>									
PSY 410 - Neuropsychology		Biomech/Hum. Perf. Elective	Senior - 3	3					3
General Studies		Required - BME Curriculum	Senior - 3			3			3
BMES 444 - Biofluid Mechanics		Required - Biomechanics/Human Perf.	Senior - 3	1	2				3
Senior Design III		Required - BME Curriculum	Senior - 3		4	Y			4
									13
<b>TOTALS - Biomechanics and Human Performance</b>	<b>195.50</b>			<b>77.00</b>	<b>84.50</b>	<b>34.00</b>		<b>0.00</b>	<b>195.5</b>
<b>TOTALS - ABET BASIC REQUIREMENTS</b>	<b>192 Total Credits</b>			<b>48</b>	<b>72</b>				