

MECHANICAL ENGINEERING CURRICULUM

BIOMECHANICS CONCENTRATION

FALL SEMESTER

ME 228	Computer Graphics	3	<input type="checkbox"/>	<input type="checkbox"/>
ENGL 101	Composition	3	<input type="checkbox"/>	<input type="checkbox"/>
MATH 121	Calculus I	5	<input type="checkbox"/>	<input type="checkbox"/>
General Edu.	Comp. Elective ¹	3	<input type="checkbox"/>	<input type="checkbox"/>
General Edu.	Comp. Elective ¹	3	<input type="checkbox"/>	<input type="checkbox"/>
		<u>17</u>		

SPRING SEMESTER

ENGL 102	Composition & Literature	3	<input type="checkbox"/>	<input type="checkbox"/>
MATH 122	Calculus II	5	<input type="checkbox"/>	<input type="checkbox"/>
PHSX 211	Gen. Physics I	4	<input type="checkbox"/>	<input type="checkbox"/>
ME 208	Intro. Digital Comp.	3	<input type="checkbox"/>	<input type="checkbox"/>
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FALL SEMESTER

MATH 220	Appl. Diff. Equations	3	<input type="checkbox"/>	<input type="checkbox"/>
MATH 290	Elem. Linear Algebra	2	<input type="checkbox"/>	<input type="checkbox"/>
ME 312	Basic Engr. Thermo.	3	<input type="checkbox"/>	<input type="checkbox"/>
CE 201	Statics	2	<input type="checkbox"/>	<input type="checkbox"/>
PHSX 212	Gen. Physics II	4	<input type="checkbox"/>	<input type="checkbox"/>
General Edu.	Comp. Elective ¹	3	<input type="checkbox"/>	<input type="checkbox"/>
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SPRING SEMESTER

CHEM 125	College Chem	5	<input type="checkbox"/>	<input type="checkbox"/>
ME 412	Thermal Systems	3	<input type="checkbox"/>	<input type="checkbox"/>
ME 510	Fluid Mechanics	3	<input type="checkbox"/>	<input type="checkbox"/>
EECS 316	Circuits, Electronics, & Inst.	3	<input type="checkbox"/>	<input type="checkbox"/>
EECS 318	Circuits & Electronics Lab	1	<input type="checkbox"/>	<input type="checkbox"/>
		<u>15</u>		

FALL SEMESTER

ME 311	Strength of Materials	4	<input type="checkbox"/>	<input type="checkbox"/>
ME 420	Mechanisms	3	<input type="checkbox"/>	<input type="checkbox"/>
MATH 365	Statistics	3	<input type="checkbox"/>	<input type="checkbox"/>
ME 612	Heat Transfer	3	<input type="checkbox"/>	<input type="checkbox"/>
ME 346	Sel & Proc Engr Mtls	4	<input type="checkbox"/>	<input type="checkbox"/>
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SPRING SEMESTER

ME 455	Mechanical Measurements	4	<input type="checkbox"/>	<input type="checkbox"/>
ME 501	M.E. Design Process	3	<input type="checkbox"/>	<input type="checkbox"/>
ME 520	Dyn. Of Machinery	3	<input type="checkbox"/>	<input type="checkbox"/>
ME 528	Mechanical Design I	3	<input type="checkbox"/>	<input type="checkbox"/>
ME 508	Numerical Analysis	3	<input type="checkbox"/>	<input type="checkbox"/>
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FALL SEMESTER

ME 628	Mechanical Design II	3	<input type="checkbox"/>	<input type="checkbox"/>
ME 633	Basic Biomechanics	3	<input type="checkbox"/>	<input type="checkbox"/>
ME 682	Control Systems	3	<input type="checkbox"/>	<input type="checkbox"/>
General Edu.	Comp. Elective ¹	3	<input type="checkbox"/>	<input type="checkbox"/>
ME 661	Finite Element Method	3	<input type="checkbox"/>	<input type="checkbox"/>
		<u>15</u>		

SPRING SEMESTER

ME 643	Design Proj. C- Biomech.	3	<input type="checkbox"/>	<input type="checkbox"/>
General Edu.	Comp. Elective ¹	3	<input type="checkbox"/>	<input type="checkbox"/>
Approved Biology	Elective ²	4	<input type="checkbox"/>	<input type="checkbox"/>
Approved ME	Elective ²	3	<input type="checkbox"/>	<input type="checkbox"/>
Approved Biomechanics List 1	Elective ³	3	<input type="checkbox"/>	<input type="checkbox"/>
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¹ See approved General Education Component Electives List. One course from each of the Ethics, Communication, Economics, Contemporary Issues and Environmental Concern areas.

² Selected from Approved Electives List 1.

³ Selected from Approved Biomechanics Electives List

⁴ Selected from BIOL 150, BIOL 152, BIOL 300, BIOL 305

THIS CHECK SHEET IS FOR INFORMATIONAL PURPOSES ONLY.

Rev. 7/18/2006