

**Mechanical Engineering
Block Schedule 2009-10**

Semester 1

MAC 2311 Calculus I	4
ENC 1101 College Writing	3
CHM 2045C General Chemistry	4
EUH 1000/1001 Freshman Core I/II	<u>3</u>
Semester Total	14

Semester 2

PHY 2048/L Univ. Physics I w/ Lab	5
LIT 2000 Intro to Literature	3
MAC 2312 Calculus II	4
PHI 2630 Contpm Ethic Iss	3
EGN 1001 Intro to Engr I	<u>2</u>
Semester Total	17

Semester 3

PHY 2049/L Univ. Physics II w/ Lab	5
MAC 2313 Calculus III	4
ENC2210/2930 Tech Writing/ST in Comp:Eng	3
Non-Appl Fine Art	<u>3</u>
EGN 2009 Intro to Engr II	2
Semester Total	17

Semester 4

MAP 2302 Differential Equations	3
COP 2220 Computer Science I	3
Cultural Diversity	3
Statics EGN 3311	3
Social Science	<u>3</u>
Semester Total	15

TOTAL LOWER LEVEL 63

Semester 5

EGN 3321 Dynamics	3
EML 3100 Thermodynamics	3
EML 3520C Engineering Materials	3
EML 3535C Modern Engr CAD	2
EGN 3203 Mod Computal Methods	<u>3</u>
Semester Total	14

Semester 6

EML 3101 Thermodynamics II	3
EGN 3331 Strength of Material	3
STA 3032 Prob/Stats Engineer	3
EML 4312 Modl & Anal Dyn Sys	3
EML 3015 Fluids I	<u>3</u>
Semester Total	15

Summer

EGN 3613 Eco for Engineering	2
EEL 3111 Circuit Analysis I	<u>3</u>
Semester Total	5

Semester 7

Technical Elective	3
EML 4140 Heat Transfer	3
EGN 4301L Mech Systems Lab	1
EML 4313 Contr of Machinery	3
EML 4501 Machine Design	3
EML 4551 Sr Capstone Design I	1
EML 4304L Fluids Mechanics Lab	<u>1</u>
Semester Total	15

Semester 8

EML 4126 Transport Phenomena	3
EML 4004L Energy Systems Lab	1
EML 4552 Sr Capstone Desi II	3
EML 4320C Int Design & Manfc	3
Technical Electives	<u>6</u>
Semester Total	16

TOTAL UPPER LEVEL 65

Technical Electives

EML 4414 Heat Power Engring	3	EML 4601 HVAC Systems	3
EML 3553 Project Enginring I	3	EML 4622 Clean & Renew Engr	3
EML 4016 Fluids II	3	EML 4804 Mechatronics	3
EML 4304 Adv Solid Modeling	3	EML 4806 Robotics Engineering	3
EML 4048 Simul Production Sys	3	EML 4905 Directed Indivi Stud	1-3
EML 4500 Finite Elem Mod Anal	3	EML 4930 Sp in Mechnl Egr	1-3
EML 4544 Materials Handling I	3	EML 4949 CO-OP Work Experience	0-1
EML 4554 Project Enginring II	3		