

BACHELOR OF MECHANICAL ENGINEERING

CURRICULUM MODEL

<u>Freshman Fall</u> ENGR1100 Engineering Orientation 0 COMP1200 Introduction to Computing for E & S 2 CHEM1030 Fundamentals of Chemistry I 3 CHEM1031 Fundamentals of Chemistry I Lab 1 MATH1610 Calculus I 4 ENGL1100 English Composition I 3 Core History <u>3</u> 16	<u>Freshman Spring</u> ENGR1110 Introduction to Engineering 2 PHYS1600 Engineering Physics I 4 MATH1620 Calculus II 4 ENGL1120 English Composition II 3 Core History <u>3</u> 16
<u>Sophomore Fall</u> MECH2110 Statics and Dynamics 4 PHYS1610 Engineering Physics II 4 MATH2630 Calculus III 4 MATH2650 Linear Differential Equations <u>3</u> 15	<u>Sophomore Spring</u> MECH2120 Kinematics & Dynamics of Machines 4 MECH2220 Computer Aided Engineering 3 ENGR2010 Thermodynamics I 3 MATL2100 Introduction to Materials Science 3 MATH2660 Topics in Linear Algebra 3 MECH2AA0 Mech. Engr. Progress Assessment I <u>0</u> 16
<u>Junior Fall</u> MECH3020 Thermodynamics II 3 MECH3030 Fluid Mechanics 3 MECH3130 Mechanics of Materials 4 MECH3200 Concepts in Design & Manufacturing 2 MECH3210 Design & Manufacturing Lab 1 ELEC3810 Fundamentals of Electrical Engineering <u>3</u> 16	<u>Junior Spring</u> MECH3040 Heat Transfer 3 MECH3050 Measurement and Instrumentation 3 MECH3140 System Dynamics and Controls 3 MECH3230 Machine Design 3 INSY3600 Engineering Economics 3 MECH3AA0 Mech. Engr. Progress Assessment II <u>0</u> 15
<u>Senior Fall</u> MECH4240 Comprehensive Design I 2 Technical Elective 3 Technical Elective 3 ENGL2200 World Literature I 3 Core Social Science 3 Core Ethics <u>3</u> 17	<u>Senior Spring</u> MECH4250 Comprehensive Design II 2 Technical Elective 3 Free Elective or ROTC 3 ENGL2210 World Literature II 3 Core Social Science 3 Core Fine Arts <u>3</u> 17

total 128 semester hours

Revised September 27, 2007 - MECH2@@0 and MECH3@@0 re-numbered to MECH2AA0 and MECH3AA0,
 MECH2210 changed to MECH3200 and MECH3210,
 MECH3220 changed to MECH2220

Revised March 25, 2004 - Great Books changed to World Literature

Revised, August 19, 2002 - MECH2000 and MECH3000 re-numbered to MECH2@@0 and MECH3@@0

Revised August 16, 2001 - MECH2000, ME Progress Assessment I, and MECH3000, ME Progress Assessment II added