

# MECHANICAL ENGINEERING ACADEMIC SUMMARY FORM

AY2015-16: 06/30/2015

Student Name: \_\_\_\_\_ Student Number: \_\_\_\_\_

Advisor Name: \_\_\_\_\_ Date of Entry: \_\_\_\_\_

## General Education Requirements

Course	Crdt	Grade	
<u>Area A – Fundamental skill and Knowledge</u>			
A1 – COMM 3, 7, 8	3	_____	Oral Communication
A2 - ENL 10	3	_____	Written Communication
A3 – Exempt Engr Majors	3	XXX	Critical Thinking
<u>Area B – Physical Universe and Its Life Forms</u>			
B1 - Satisfied by major	3	XXX	Physical Sciences
B2 – BIOL 10, 15	3	_____	Life Sciences
B3 – Lab B1/B2 Satisfied by major	1	XXX	Lab Component
B4 - Satisfied by major	3	XXX	Quantitative Reasoning
<u>Area C – Arts and Humanities</u>			
C1 – _____ or satisfied by major	3	_____ or XXX	Arts
C2 –PHIL 20	3	_____	Humanities
C1 or C2 - Exempt Engr Maj	3	XXX	Arts or Humanities
<u>Area D – Social, Political &amp; Economic Institutions &amp; Behavior, Historical Background</u>			
D1 - HIST 11 or 12	3	_____	American History
D2 – PLSI 2	3	_____	American Government
D3 - _____ (e.g., ECON50)	3	_____	Social Science
<u>Area E – Lifelong Understanding and Self-Development</u>			
E - Exempt Engr Majors	3	XXX	

## IB Physical Universe and Its Life Form

IB Satisfied by major (ME134) 3 XXX

## IC Arts and Humanities:

IC – PHIL120 or satisfied by major 3 \_\_\_\_\_ or XXX

## ID Social, Political and Economic Institution and Behavior

### Historical Background:

ID - Exempt Engr Majors 3 XXX

## M/I MultiCultural/International

M/I – PLSI 120 3 \_\_\_\_\_

## Other Courses/Tests:

\_\_\_\_\_ 3 \_\_\_\_\_ UDWR (writing)

\_\_\_\_\_ \_\_\_\_\_

\_\_\_\_\_ \_\_\_\_\_

## Engineering Common Courses

Course	Crdt	Grade
MATH 75 Calc I (Satisfies B4)	4	_____
MATH 76 Calc II	4	_____
MATH 77 Calc III	4	_____
MATH 81 Diff Eq	3	_____
PHYS 4A Mech&WaveMot	3	_____
PHYS 4AL Lab Mech&WM	1	_____
PHYS 4B Elc+Mag+Heat	3	_____
PHYS 4C Light+Mod Phys	3	_____
CHEM 1A Chem (Satisfies B1)	5	_____
ME1 Intro to ME (P Satisfies IC)	1	_____
ME2 Comp App in Engr	1	_____
ECE71 Engr Computations	3	_____
CE20 Engr Mech: Statics	3	_____
ME26 Engr Graph(P Satisfies C1)	3	_____
ME31 Engr Materials	3	_____
ME32 Engr Materials Lab	1	_____
ECE91 Intro to Elec Engr	3	_____
ECE91L Intro Elec Engr Lab	1	_____

## Mechanical Engineering Major Courses

ME95 Manuf Proc (P Satisfies C1)	2	_____
ME112 Engr Mech:Dynamic	3	_____
ME115 Instr & Meas Lab	1	_____
ME116 Fluid Mechanics	3	_____
ME118 Fluid Mechanics Lab	1	_____
CE121 Engr Mech: MechMat	3	_____
ME125 Engr Stat & Expt	3	_____
ME134 Mach Dsgn (Satisfies IB)	3	_____
ME135 Intro Dsgn –Sr Cap I	3	_____
(Partly Satisfies C1 and IC)		
ME136 Thermodynamics	3	_____
ME140 Adv Eng Analysis	3	_____
ME145 Heat&Mass Transfer	3	_____
ME154 Dsgn of Mach Elmnt	3	_____
(Partly Satisfies C1)		
ME155 Sr Capstone Dsgn II	3	_____
(Partly Satisfies IC)		
ME156 Adv Thermo	3	_____
ME159 Mech Sys Dsgn Lab	1	_____
ME166 Energy Sys Dsgn	3	_____
(Partly Satisfies IC)		
Tech Elect (A)	3	_____
Tech Elect (B)	3	_____

Note: Technical Elective (A) Minimum of 6 units from ME122, ME137, ME142, ME144, ME146, ME162, ME164  
 Technical Elective (B) Maximum of 3 units from ME 180, ME190, ME191T