

MECHANICAL ENGINEERING ACADEMIC SUMMARY FORM

AY2012-13: 07/22/2012

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 | <u>XXX</u> | Critical Thinking |
| <u>Area B – Physical Universe and Its Life Forms</u> | | | |
| B1 - Satisfied by major | 3 | <u>XXX</u> | Physical Sciences |
| B2 – BIOL 10, 15 | 3 | _____ | Life Sciences |
| B3 – Lab B1/B2 Satisfied by major | 1 | <u>XXX</u> | Lab Component |
| B4 - Satisfied by major | 3 | <u>XXX</u> | Quantitative Reasoning |
| <u>Area C – Arts and Humanities</u> | | | |
| C1 - _____ | 3 | _____ | Arts |
| C2 –PHIL 20 | 3 | _____ | Humanities |
| C1 or C2 - Exempt Engr Maj | 3 | <u>XXX</u> | Arts or Humanities |
| <u>Area D – Social, Political & Economic Institutions & 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 |

Area E – Lifelong Understanding and Self-Development

E - Exempt Engr Majors 3 XXX

IB Physical Universe and Its Life Form

IB Satisfied by major 3 XXX

IC Arts and Humanities:

IC - PHIL 120 3 _____

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:

_____ _____ _____ 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 Engr | 1 | _____ |
| ME2 Comp App in Engr | 1 | _____ |
| ECE 71 Engr Computations | 3 | _____ |
| CE20 Engr Mech: Statics | 3 | _____ |
| ME26 Engr Graphics | 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 Prod Development | 2 | _____ |
| ME112 Engr Mech:Dynamic | 3 | _____ |
| ME115 Instr & Meas Lab | 1 | _____ |
| ME116 Fluid Mechanics | 3 | _____ |
| ME118 Fluid Mechanics Lab | 1 | _____ |
| CE121 Engr Mech: MechMat3 | 3 | _____ |
| ME125 Engr Stat & Expt | 3 | _____ |
| ME134 Mach Dsgn (Satisfies IB) | 3 | _____ |
| ME135 Product Design | 3 | _____ |
| ME136 Thermodynamics | 3 | _____ |
| ME140 Adv Eng Analysis | 3 | _____ |
| ME145 Heat&Mass Transfer | 3 | _____ |
| ME154 Dsgn of Mach Elmnt | 3 | _____ |
| ME155 Elmnt of Sys Dsgn | 3 | _____ |
| ME156 Adv Thermo | 3 | _____ |
| ME159 Mech Sys Dsgn Lab | 1 | _____ |
| ME166 Energy Sys Dsgn | 3 | _____ |

Tech Elect (A) _____ 3 _____

Tech Elect (B) _____ 3 _____

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