BS Mechanical Engineering – Course Dependency Map

BEGIN HERE

EN.530.111 Intro to MechE Design and CAD

EN.530.115 MechE Freshman Lab I

EN.530.116 MechE Freshman Lab II

AS.030.101 Introductory Chemistry

EN.530.107 MechE Undergrad Seminar I

EN.530.108 MechE Undergrad Seminar II

AS.030.101 Introductory Chemistry

AS.110.108 Calculus I

EN.530.112 Intro to Mechanics I

EN.530.113 Intro to Mechanics II

AS.110.109 Calculus II

AS.110.201 or 171.102 Physics I

AS.110.202 Calculus III

AS.173.112 Physics II Lab

Probability and Statistics

EN.560.201 / 211 Statics and Mechanics of Materials and Lab

EN.530.202 / 212 Dynamics and Lab

EN.530.231 / 232 Thermodynamics and Lab

EN.530.215 / 216 Mechanics Based Design and Lab

EN.530.249 or 254 or 241 Manufacturing Engineering

EN.530.241 / 243 Electronics and Instrumentation and Lab

EN.530.343 / 344 Design and Analysis of Dynamic Systems and Lab

EN.530.231 / 232 Thermodynamics and Lab

EN.530.215 / 216 Mechanics Based Design and Lab

EN.530.352 Materials Selection

EN.530.327 / 329 Intro to Fluid Mechanics and Lab

EN.530.303 Mechanical Engineering Elective #1

EN.530.304 Mechanical Engineering Elective #2

EN.530.305 Mechanical Engineering Elective #3

EN.530.306 Technical Elective #1

EN.530.307 Technical Elective #2

EN.530.308 Technical Elective #3

EN.530.309 Technical Elective #4

EN.530.310 Technical Elective #5

EN.530.311 Technical Elective #6

EN.530.327 / 329 Intro to Fluid Mechanics and Lab

EN.530.337 / 335 Heat Transfer and Lab

EN.530.403/404 Senior Design I/II

FINISH HERE

Humanities / Social Science Course #1

Humanities / Social Science Course #2

Humanities / Social Science Course #3

Humanities / Social Science Course #4

Humanities / Social Science Course #5

Humanities / Social Science Course #6

Basic Science, Mathematics, and Humanities / Social Science in other departments: some courses have prerequisites not mapped here. See sis.jhu.edu/classes for info.

Key

Required Engineering

Math

H&S

Science

Technical Elective

MechE Elective

Required for next course:

Concurrent:

Suggested for next course: