ME curriculum = Black
Extra courses from MSE curriculum = Red

- CHEM 124 – Principles of Chemistry I (4)
- CS 104 – Introduction to Computer Programming I (2)
- MATH 151 – Calculus I (5)
- MATH 152 – Calculus II (5)
- MATH 251 – Multivariate and Vector Calculus (4)
- MATH 252 – Introduction to Differential Equations (4)
- PHYS 123 – General Physics I: Mechanics (4)
- PHYS 221 – General Physics II: Electricity & Magnetism (4)
- MS 201 – Materials Science (3)
- MMAE 100 – Introduction to the Profession (3)
- MMAE 200 – Introduction to Mechanics (3)
- MMAE 202 – Mechanics of Solids II (3)
- MMAE 232 – Design for Innovation (3)
- MMAE 302 – Mechanics of Solids III (3)
- MMAE 305 – Dynamics (3)
- MMAE 313 – Fluid Mechanics without lab (3)
- MMAE 315 – Mechanical Lab I (4)
- MMAE 320 – Thermodynamics (3)
- MMAE 321 – Applied Thermodynamics (3)
- MMAE 323 – Heat & Mass Transfer without Lab (3)
- MMAE 332 – Design of Machine Elements (3)
- MMAE 350 – Computational Mechanics (3)
- MMAE 365 – Structure & Properties of Materials I (3)
- MMAE 370 – Materials Lab I (3)
- MMAE 419 – Mechanical Lab II (4)
- MMAE 432 – Design of Mechanical Systems (3)
- MMAE 433 – Design of Thermal Systems (3)
- MMAE 443 – Systems Analysis and Control (3)
- MMAE 445 – Computer-Aided Design (3)
- MMAE 463 – Structure & Properties of Materials II (3)
- MMAE 465 – Electrical, Magnetic, & Optical Properties of Materials (3)
- MMAE 470 – Introduction to Polymer Science (3)
- MMAE 472 – Advanced Aerospace Materials (3)
- MMAE 476 – Materials Lab II (3)
- MMAE 485 – Manufacturing Processes (3)
- IPRO I (3)
- IPRO II (3)
- 7 x Hum/SS (21)

Full ME program = 127 credits
Full MSE program = 126 credits
Dual degree program = 15 credits more than original single degree = 142

Free electives covered with MSE courses = 6 credits
Extra MSE courses = 21 credits

121 (ME) + 21 (MSE) = 142 credits