Appendix A – Approved Courses for Mechanical Engineering Concentrations:

Energy and Propulsion
EM443 Energy Conversion
EM444 Solar Engineering
EM447 Wind and Tidal Energy
EM461 Engines: Principles, Design and Applications
EM474 Gas Turbines: Design and Analysis
EM485F Energy Analysis, Policy and Security
EM486A Energy Leadership
EM486B Fluid Flow in Biology and the Environment
EM486H Waste-to-Energy Conversion
ER301 Fundamentals of Nuclear Engineering

Structures and Materials
EM424 Analytical Methods in Mechanics
EM433 Computer-Aided Manufacturing
EM451 Design of Robotic Elements
EM452 Engineering Materials
EM453 Materials: Processing and Fabrication
EM456 Corrosion and Corrosion Control
EM458 Failure Analysis

Nuclear Engineering
ER301 Fundamentals of Nuclear Engineering
ER362 Reactor Physics
ER371 Nuclear Plant Design
ER463 Radiation Engineering
ER468 Nuclear Plant Engineering
ER486A Nuclear Weapons Effects

Additional Courses:
EM(R)485/6 courses that do not appear on the list may still count towards a concentration, check with your Academic Advisor.
EM495/6 Independent Research courses may also count towards the concentration if the project is in the area of concentration.