

# Mechanical Engineering Major

Code	Title	Credits
<b>Supporting Courses</b>		<b>30</b>
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
MATH 260	Introductory Statistics	
MATH 209	Multivariate Calculus	
MATH 305	Ordinary Differential Equations	
ET 206	Chemistry for Engineers	
ET 207	Parametric Modeling	
PHYSICS 201	Principles of Physics I	
PHYSICS 202	Principles of Physics II	
<b>Fundamentals Courses:</b>		<b>24</b>
ET 116	Basic Manufacturing Processes	
ENGR 198	First Year Seminar	
ENGR 204	Programming for Engineers	
ENGR 213	Mechanics I	
ENGR 214	Mechanics II	
ENGR 208	Fundamentals of Electric Circuits	
ENGR 220	Mechanics of Materials	
ENGR 221	Mechanics of Materials Lab	
ET 221	Machine Components	
<b>Advanced Courses:</b>		<b>31</b>
ENGR 301	Engineering Materials	
ENGR 312	Engineering Measurements	
ENGR 322	Engineering Measurements Lab	
ENGR 324	Engineering Thermodynamics	
ENGR 326	Numerical Methods	
ENGR 336	Fluids	
ENGR 337	Fluids Lab	
ENGR 340	Analysis of Dynamic Systems	
ENGR 430	Heat Transfer	
ENGR 431	Thermal Lab	
ENGR 460	Senior Design	
ET 308	Finite Element Analysis	
ET 360	Project Management	
<b>Elective: (choose one course)</b>		<b>3-4</b>
ENGR 432	Automatic Controls	
ET 322	Design Problems	
ET 390	Mechatronics	

Total Credits

88-89