

## Short Descriptions of Courses for the BSc of ME Program

| Course Code                     | Course Name                           | Course Code                     | Course Name                               |
|---------------------------------|---------------------------------------|---------------------------------|-------------------------------------------|
| <a href="#"><u>EE 339</u></a>   | Electrical Machines                   | <a href="#"><u>ME 371</u></a>   | Thermodynamics -1                         |
| <a href="#"><u>Chem 111</u></a> | General Chemistry                     | <a href="#"><u>ME 372</u></a>   | Thermodynamics – 2                        |
| <a href="#"><u>Phys 131</u></a> | General Physics                       | <a href="#"><u>ME 383</u></a>   | Thermo-fluid Laboratory -1                |
| <a href="#"><u>CSC 209</u></a>  | Computer Programming                  | <a href="#"><u>ME 384</u></a>   | Thermo-fluid Laboratory -2                |
| <a href="#"><u>EE 318</u></a>   | Fundamentals of Electric circuits     | <a href="#"><u>ME 385</u></a>   | Fluid Mechanics                           |
| <a href="#"><u>GE 104</u></a>   | Basics of Engineering Drawing         | <a href="#"><u>ME 395</u></a>   | Heat Transfer                             |
| <a href="#"><u>GE 105</u></a>   | Basics of engineering technology      | <a href="#"><u>ME 423</u></a>   | Renewable Energy                          |
| <a href="#"><u>GE 201</u></a>   | Statics                               | <a href="#"><u>ME 425</u></a>   | Solar Energy                              |
| <a href="#"><u>GE 202</u></a>   | Dynamics                              | <a href="#"><u>ME 431</u></a>   | Tool Manufacturing                        |
| <a href="#"><u>GE 211</u></a>   | Introduction to Engineering Design I  | <a href="#"><u>ME 441</u></a>   | Mechanical Design -2                      |
| <a href="#"><u>GE 213</u></a>   | Introduction to Engineering Design II | <a href="#"><u>ME 453</u></a>   | Modern Engineering materials              |
| <a href="#"><u>ECON 401</u></a> | Engineering Economy                   | <a href="#"><u>ME 455</u></a>   | Corrosion Engineering                     |
| <a href="#"><u>MGMT 402</u></a> | Project Management                    | <a href="#"><u>ME 462</u></a>   | Mechatronics                              |
| <a href="#"><u>GE 407</u></a>   | Cooperative Training                  | <a href="#"><u>ME 463</u></a>   | Mechanical vibrations                     |
| <a href="#"><u>GE 406</u></a>   | Summer Training                       | <a href="#"><u>ME 465</u></a>   | System Dynamics and Automatic Control     |
| <a href="#"><u>Math 106</u></a> | Integral Calculus                     | <a href="#"><u>ME 466</u></a>   | Robotics                                  |
| <a href="#"><u>Math 107</u></a> | Linear Algebra & Analytic Geometry    | <a href="#"><u>ME 468</u></a>   | System Dynamics and Automatic Control Lab |
| <a href="#"><u>Math 203</u></a> | Differential and Integral Calculus    | <a href="#"><u>ME 470</u></a>   | Thermal Power Plants                      |
| <a href="#"><u>Math 208</u></a> | Differential equations                | <a href="#"><u>ME 474</u></a>   | Refrigeration Engineering                 |
| <a href="#"><u>STAT 328</u></a> | Probabilities & Statistics            | <a href="#"><u>ME 475</u></a>   | Air Conditioning                          |
| <a href="#"><u>ME 241</u></a>   | Mechanical Drawing                    | <a href="#"><u>ME 480</u></a>   | Turbo Machinery                           |
| <a href="#"><u>ME 251</u></a>   | Materials Engineering                 | <a href="#"><u>ME 482</u></a>   | Compressible Fluids                       |
| <a href="#"><u>ME 252</u></a>   | Materials Engineering Laboratory      | <a href="#"><u>ME 483</u></a>   | Pumping Machinery                         |
| <a href="#"><u>ME 335</u></a>   | Manufacturing Processes               | <a href="#"><u>ME 490</u></a>   | Selected Topics In Mechanical Engineering |
| <a href="#"><u>ME 336</u></a>   | Manufacturing Processes Laboratory    | <a href="#"><u>ME 491</u></a>   | Senior Design Project-1                   |
| <a href="#"><u>ME 340</u></a>   | Mechanical Design -1                  | <a href="#"><u>ME 492</u></a>   | Senior Design Project-2                   |
| <a href="#"><u>ME 344</u></a>   | Measurements and Instrumentation      | <a href="#"><u>ME 495</u></a>   | Thermal fluid systems                     |
| <a href="#"><u>ME 350</u></a>   | Mechanics of Materials                | <a href="#"><u>Math 244</u></a> | Linear Algebra                            |
| <a href="#"><u>ME 352</u></a>   | Mechanics of Materials Laboratory     | <a href="#"><u>Math 254</u></a> | Numerical Methods                         |
| <a href="#"><u>ME 360</u></a>   | Mechanics of Machinery                | <a href="#"><u>Math 328</u></a> | Applied Operation Research                |
| <a href="#"><u>ME 363</u></a>   | Mechanics of Machinery Laboratory     |                                 |                                           |