

# Bachelor of Science in Engineering Technology

## Major in Mechanical Engineering Technology

| Semester 1<br>17 credits                          | Semester 2<br>17 Credits                            | Semester 3<br>16 Credits                            | Semester 4<br>17 Credits                          | Semester 5<br>17 Credits                            | Semester 6<br>18 Credits                         | Semester 7<br>15 Credits                            | Semester 8<br>15 Credits                       |
|---|---|---|---|---|--|---|--|
| <b>EGR 102</b><br>First Year Exp.<br>(0)          | <b>SET 101</b><br>Intro to Engr<br>Tech II (0)      | <b>SET 200*</b><br>Prof Dev for<br>Sophomores (0)   | <b>IET 316</b><br>Quantitative<br>Analysis (3)    | <b>SET 300</b><br>Prof Dev for<br>Juniors (0)       | <b>IET 317</b><br>Industrial<br>Economics (3)    | <b>SET 400</b><br>Prof Dev for<br>Seniors (1)       | <b>MCT 490</b><br>Senior Design<br>Project (3) |
| <b>EGR 100</b><br>Enrichment<br>Workshop (0)      | <b>EGR 100</b><br>Enrichment<br>Workshop (0)        | <b>MCT 220</b><br>Statics &<br>Dynamics (3)         | <b>MFG 206L</b><br>Dimensional<br>Metrology (1)   | <b>ECT 110</b><br>Electrical<br>Circuits I (3)      | <b>MCT 317</b><br>Machine<br>Dynamics (3)        | <b>ECT 408</b><br>Data Acquisition<br>& Measure (2) | <b>TECH EL</b><br>(3)                          |
| <b>EGR 103</b><br>Engineering<br>Innovation (2)   | <b>MCT 110L</b><br>Tech Drawing &<br>CAD (2)        | <b>MCT 111L</b><br>Introduction to<br>Design (2)    | <b>MCT 221</b><br>Strength of<br>Materials (3)    | <b>ECT 110L</b><br>Electrical<br>Circuits I Lab (1) | <b>MCT 330</b><br>Design Machine<br>Elements (3) | <b>MCT 342</b><br>Thermo-<br>dynamics (3)           | <b>TECH EL</b><br>(3)                          |
| <b>MFG 108L</b><br>Mfg Processes<br>Lab (1)       | <b>SET 153L</b><br>Technical<br>Computation (1)     | <b>MFG 208L</b><br>Geometric Dim &<br>Tolerance (1) | <b>MCT 231</b><br>Fluid<br>Mechanics (3)          | <b>IET 323</b><br>Project<br>Management (3)         | <b>MFG 431</b><br>Automation<br>Controls (3)     | <b>TECH EL</b><br>(3)                               | <b>Advanced<br/>Historical<br/>Studies</b> (3) |
| <b>MTH 137</b><br>Calculus I With<br>Review 1 (4) | <b>MFG 204</b><br>Materials &<br>Processes (3)      | <b>MTH 207</b><br>Introduction to<br>Statistics (3) | <b>PHY 202</b><br>General<br>Physics II (3)       | <b>MCT 313</b><br>Industrial<br>Mechanisms (3)      | <b>MFG 240</b><br>Mfg Product<br>Design (3)      | <b>TECH EL</b><br>(3)                               | <b>Art Study</b><br>(3)                        |
| <b>CHM 123</b><br>General<br>Chemistry (3)        | <b>MFG 204L</b><br>Materials &<br>Proc Lab (1)      | <b>PHY 201</b><br>General<br>Physics I (3)          | <b>PHY 202L</b><br>General<br>Phys II Lab (1)     | <b>MCT 336</b><br>Fluid Power<br>(3)                | <b>SSC 200</b><br>(3)                            | <b>Advanced<br/>PHL/REL</b> (3)                     |  |
| <b>CHM 123L</b><br>General Chem<br>Lab (1)        | <b>MTH 138</b><br>Calculus I With<br>Review 2 (4)   | <b>PHY 201L</b><br>General<br>Phys I Lab (1)        | <b>CMM 100</b><br>Principles of Oral<br>Comm. (3) | <b>MCT 336L</b><br>Fluid Power<br>Lab (1)           |  |   |  |
| <b>ENG 100</b><br>Writing<br>Seminar I (3)        | <b>PHL 103</b><br>Introduction to<br>Philosophy (3) | <b>ENG 200</b><br>Writing<br>Seminar II (3)         |   | <b>Advanced<br/>PHL/REL<br/>(Ethics)</b> (3)        |  |   |  |
| <b>REL 103</b><br>Introduction to<br>Religion (3) | <b>HST 103</b><br>The West & The<br>World (3)       |   |   |   |  |   |  |

\* COP 200 may be taken in place of SET 200

|                      |                |                                 |  |
|----------------------|----------------|---------------------------------|--|
| <b>KEY</b>           | <b>Math</b>    | <b>Technical Elective</b>       | See reverse for course prerequisites.  |
| <b>CAP Common</b>    | <b>Science</b> |                                 | Consult academic advisor for selection of approved common academic program (CAP) and technical elective courses. |
| <b>CAP Electives</b> | <b>ET Core</b> | ----- Corequisite or concurrent |  |

