

**Engineering Technology Management: Construction Management, B.S.**

[Please refer to the Undergraduate Catalog for further program requirements and course descriptions.](#)

| <b>First Year – 29-30 Hours</b>  |            |  |            |
|--|------------|--|------------|
| <b>Fall Semester:</b>  | <b>Hrs</b> | <b>Spring Semester:</b>  | <b>Hrs</b> |
| MATH 1830: <i>Calculus for Mgmt, Life, &amp; Social Science</i> or 1950: <i>Calculus w Analytic Geometry I</i> (Mathematics)               | 3-4        | MGT 1000: <i>Computers in Business</i> or CPSC 1000: <i>Intro to Computing</i>                               | 3          |
| ETEM 1000: <i>ETM Seminar I</i>  | 1          | ETCM 1100: <i>Blueprint Reading &amp; Sketching</i>  | 3          |
| ETEM 1320: <i>Intro to Material Science and Technology</i>   | 3          | Non-Western Culture  | 3          |
| Natural Science without Lab  | 3          | Natural Science with Lab   | 4          |
| ENGL 1010 or 1011 (Rhetoric and Writing I)   | 3-4        | ENGL 1020 (Rhetoric and Writing II)  | 3          |
|  | 13-15      |  | 16         |
| <b>Second Year – 33 Hours</b>  |            |  |            |
| <b>Fall Semester:</b>  | <b>Hrs</b> | <b>Spring Semester:</b>  | <b>Hrs</b> |
| ECON 1010: <i>Principles of Economics: Macroeconomics</i> (Behavioral and Social Science)  | 3          | ECON 1020: <i>Principles of Economics: Microeconomics</i> (Behavioral and Social Science)                    | 3          |
| ACC 2010: <i>Principles of Accounting I</i>  | 3          | ACC 2020: <i>Principles of Accounting II</i>   | 3          |
| ETCM 2010: <i>Construction Safety &amp; Risk Management</i>  | 3          | ETCM 2020: <i>Estimating &amp; Construction Documents I</i>  | 3          |
| ETCM 2640: <i>Construction Documents Technology</i>  | 3          | ETCM 4610: <i>Construction Law and Contracts</i>   | 3          |
| MGT 2130: <i>Stats for Business</i> , ENCE 2220: <i>Probability &amp; Stats for Engr</i> , or MATH 2100: <i>Introductory Stats</i> (Stats) | 3          | ENGL 2810: <i>Technical Writing</i> , 2820: <i>Scientific Writing</i> , or 2880: <i>Professional Writing</i> | 3          |
| Fine Arts and Humanities**   | 3          |  |            |
|  | 18         |  | 15         |
| <b>Third Year – 33 Hours</b>   |            |  |            |
| <b>Fall Semester:</b>  | <b>Hrs</b> | <b>Spring Semester:</b>  | <b>Hrs</b> |
| ETEM 3550: <i>Project Management &amp; Practice</i>  | 3          | ETCM 3150: <i>Building Information Modeling (BIM)</i>  | 3          |
| ETEM 3520: <i>Cost Est. &amp; Analysis for Engineering Mgmt.</i>   | 3          | ETCM 4010: <i>Construction Scheduling</i>  | 3          |
| ETCM 3090: <i>Architectural CAD</i>  | 3          | ETCM 4050: <i>Strategic Mgmt for Construction Business</i>   | 3          |
| ETCM 3240: <i>Construction Structures</i>  | 3          | Technical Elective   | 3          |
| ETCM 3340: <i>Building Science Applications</i>  | 3          | Technical Elective   | 3          |
| Fine Arts and Humanities**   | 3          |  |            |
|  | 18         |  | 15         |
| <b>Fourth Year – 30 Hours</b>  |            |  |            |
| <b>Fall Semester:</b>  | <b>Hrs</b> | <b>Spring Semester:</b>  | <b>Hrs</b> |
| ETCM 4020: <i>Estimating &amp; Construction Documents II</i>   | 3          | ETCM 4500: <i>Construction Management Design</i>   | 3          |
| ETCM 3440: <i>Mechanical and Electrical Systems in Bldgs</i>   | 3          | ETEM 4540: <i>Value Management</i>   | 3          |
| ETCM 4960r: <i>Construction Management Internship</i>  | 3          | BUS 3350: <i>Legal Environment of Business</i>   | 3          |
| ETEM 4590: <i>Facilities Management</i>  | 3          | Technical Elective   | 3          |
| MGT 3150: <i>Management Concepts, Theory &amp; Practice</i>  | 3          | Technical Elective   | 2-3        |
|  | 15         |  | 14-15      |

\*Fine Arts and Humanities: 6 hours must be taken so that two different categories in FAH: Historical Understanding; Literature; Thought, Values & Beliefs; or Visual & Performing Arts are satisfied.

| <b>Completed:</b>                   |            |  |            |
|-------------------------------------|------------|--|------------|
| <b>Graduation Requirements:</b>     | <b>Hrs</b> | <b>Degree Requirements:</b>              | <b>Hrs</b> |
| 127 Total Hours                     |            | 22-23 General Education Hours            |            |
| 39 Upper Division (3000-4000) Hours |            | 102-104 Program (Major) Hours            |            |
| 32 Hours at UTC                     |            | Minor ( <i>Not Required</i> )            |            |
| 60 Hours at 4-year Institution      |            | Electives ( <i>Not Required</i> )        |            |
|                                     |            | Foreign Language ( <i>Not Required</i> ) |            |