



AA Pre-Engineering to BS Construction Engineering
 Recommended 4-Year Course Sequence
 2024-2025 Catalog



FRESHMAN YEAR

| Fall | | | | Spring | | | |
|-----------|-----------|--------------------------|-------|-----------|-----------|------------------------|-------|
| TVCC | UT Tyler | Title | Hours | TVCC | UT Tyler | Title | Hours |
| ENGL 1301 | | Composition I | 3 | ENGL 1302 | | Composition II | 3 |
| MATH 2413 | | Calculus I | 4 | MATH 2414 | | Calculus II | 4 |
| SPCH 1315 | | Intro to Public Speaking | 3 | CHEM 1411 | | General Chemistry | 4 |
| | | Creative Arts | 3 | PHYS 2425 | | University Physics | 4 |
| | ENGR 1201 | Intro to Engineering | 2 | | ENGR 1204 | Engineering Graphics I | 2 |
| | | | | | | | |
| | | | 15 | | | | 17 |

SOPHOMORE YEAR

| Fall | | | | Spring | | | |
|-----------|----------|------------------------------------|-------|--------------|----------|--------------------------|-------|
| TVCC | UT Tyler | Title | Hours | TVCC | UT Tyler | Title | Hours |
| ACCT 2401 | | Principles of Financial Accounting | 4 | ECON 2301/02 | | Macro- or Microeconomics | 3 |
| | | Additional Science elective | 3 | HIST 1302 | | US History II | 3 |
| HIST 1301 | | US History I | 3 | PHYS 2426 | | University Physics II | 4 |
| GOVT 2306 | | Texas Government | 3 | PHIL 2306 | | Intro to Ethics | 3 |
| | | Math or Science elective | 4 | | | | |
| | | | | | | | |
| | | | 17 | | | | 13 |

JUNIOR YEAR

| Fall | | | | Spring | | | |
|------|-----------|--|-------|--------|-----------|--------------------------------------|-------|
| TVCC | UT Tyler | Title | Hours | TVCC | UT Tyler | Title | Hours |
| | CENG 3434 | Civil Engineering Materials, Codes, and | 4 | | CMGT 3348 | Construction Safety | 3 |
| | CMGT 3365 | Mechanical, Electrical, and Plumbing (MEP) Systems | 3 | | CMGT 4335 | Construction Law and Ethics | 3 |
| | CENG 3306 | Mechanics of Materials | 3 | | CENG 3336 | Soil Mechanics and Foundation Design | 3 |
| | CENG 4339 | Civil Engineering Construction Management | 3 | | CENG 3325 | Structural Analysis | 3 |
| | CENG 2336 | Geomatics | 3 | | Various | CONE Approved Technical Elective 1 | 3 |
| | | | | | ENGR 2301 | Statics | 3 |
| | | | 16 | | | | 18 |

SENIOR YEAR

| Fall | | | | Spring | | | |
|------|--------------|--|-------|--------|-----------|--|-------|
| TVCC | UT Tyler | Title | Hours | TVCC | UT Tyler | Title | Hours |
| | CENG 4412 | Reinforced Concrete and Steel Design | 4 | | CENG 4315 | Senior Design II | 3 |
| | MATH 3351 | Probability and Statistics for Engineers | 3 | | CENG 4341 | Civil Engineers and Leadership, Public Policy, | 3 |
| | HIST 1303 | History of Technology and Innovation in U.S. | 3 | | POLS 2305 | Introductory American Government | 3 |
| | CENG 4351 or | Traffic Operations or Foundaiton Design | 3 | | Various | CONE Approved Enrichment Experience Elective | 3 |
| | CENG 4115 | Senior Design I | 1 | | Various | CONE Approved Technical Elective 2 | 3 |
| | CONE 4325 | Horizontal & Vertical Construction Technics | 3 | | | | |
| | | | 17 | | | | 15 |

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|---|--|------------|
| Total Credit Hours at Trinity Valley Community College | | 62 |
| Total Credit Hours at UT Tyler | | 66 |
| Total Credit Hours | | 128 |

Courses highlighted in green are to be taken concurrently at UT Tyler.