



ENGINEERING TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE

CIVIL ENGINEERING TECHNOLOGY - SURVEYING MAJOR

| TECHNICAL Course Number | Course Title | Credits | Completed Sem./Year |
|----------------------------|---|-----------|------------------------|
| CET121 | Building Materials & Construction Methods | 3 | |
| DET125 | Basic AutoCAD | 3 | |
| CET124 | Highway & Map Drawing | 2 | |
| CET222 | Concrete & Asphalt Testing | 3 | |
| CET226 | Estimating | 3 | |
| CET227 | Surveying I | 3 | |
| CET228 | Surveying II | 3 | |
| CET229 | Surveying III | 3 | |
| CET231 | Legal Principles of Surveying | 3 | |
| CET232 | Land Planning & Design | 3 | |
| CET236 | Global Positioning System | 3 | |
| CET238 | Tech Project – Civil Engineering | 3 | |
| ETD121 | Engineering Technology Seminar | 1 | |
| MET124 | Statics & Strength of Materials | 4 | |
| TOTAL | | 40 | |

| BASIC/RELATED Course Number | Course Title | Credits | Completed Sem./Year |
|--------------------------------|---|-----------|------------------------|
| ECA122 | Computer Applications for Technical Professionals | 3 | |
| MTH125 | College Algebra | 4 | |
| MTH128 | Trigonometry | 1 | |
| MTH126 | Pre-Calculus | 4 | |
| MTH221 | Concepts of Calculus | 3 | |
| PHY121 | Physics I | 4 | |
| TOTAL | | 19 | |

| NON-TECH Course Number | Course Title | Credits | Completed Sem./Year |
|---------------------------|---|-----------|------------------------|
| ENG124 | College Composition | 3 | |
| ENG221 | Technical Report Writing | 3 | |
| COM121/COM123 | Effective Speaking or Inter-group Communications | 3 | |
| | Select one (1) Arts/Humanities/Social Science elective from the list below. | 3 | |
| TOTAL | | 12 | |
| TOTAL CREDIT HOURS | | 71 | |

FULL-TIME STUDENT - ADVISING NOTES

1. ACADEMIC ADVISING - Each student should make an appointment to see their advisor if they have difficulty registering on-line or have other questions.
2. COURSE SEQUENCE - The semester-by-semester listing below gives the normal scheduling option for full-time associate degree students who plan to finish in two years. Some courses can be scheduled as beginning courses in other semesters depending upon course availability and advisor's recommendation. Introduction to Algebra should be scheduled before College Algebra and Trigonometry by those whose pre-admission test indicates the need for it. Introduction to Algebra and selected technical and general studies courses are available summer term.
3. TECHNICAL ELECTIVES - Some programs provide for technical electives. Consult with your academic advisor to determine course availability.
4. BACHELOR'S DEGREE - In most of the associate degree programs, some courses may be applied towards a bachelor's degree in technology. Bachelor's degree requirements and course transferability are controlled by the institution to which the student plans to transfer. Please inform your advisor if you plan on completing a bachelor's degree after your SSCT engineering technology degree

CIVIL ENGINEERING TECHNOLOGY - SURVEYING MAJOR

| <u>First Semester</u> | | <u>Credit Hours</u> | <u>Prerequisite</u> |
|------------------------|--|---------------------|--|
| ENG124 | College Composition | 3 | ENG105 or Test |
| MTH125 | College Algebra | 4 | MTH101 or MTH103 or Test |
| MTH128 | Trigonometry | 1 | Co-MTH125 |
| CET121 | Building Materials & Construction Methods | 3 | - |
| CET227 | Surveying I | 3 | Co-MTH125 |
| ETD121 | Engineering Technology Seminar | 1 | |
| ECA122 | Computer Apps for Technical Professionals | <u>3</u> | - |
| | | 18 | |
| | | | |
| <u>Second Semester</u> | | | |
| MTH126 | Pre-Calculus | 4 | MTH125, MTH128 |
| MET124 | Statics & Strength of Materials | 4 | Co-PHY121 |
| CET124 | Highway & Map Drawing | 2 | MTH125 |
| CET228 | Surveying II | 3 | CET227 |
| PHY121 | Physics I | <u>4</u> | MTH125, MTH128 |
| | | 17 | |
| | | | |
| <u>Third Semester</u> | | | |
| ENG221 | Technical Report Writing | 3 | ENG124 |
| MTH221 | Concepts of Calculus | 3 | MTH126 |
| CET232 | Land Planning & Design | 3 | CET227 & (CET122 or CET124 or DET125) |
| CET229 | Surveying III | 3 | CET228, ECA122 |
| CET231 | Legal Principles of Surveying | 3 | - |
| DET125 | Basic AutoCAD | <u>3</u> | - |
| | | 18 | |
| | | | |
| <u>Fourth Semester</u> | | | |
| COM121/123 | Effective Speaking or Inter-group Communications | 3 | ENG124 |
| CET226 | Estimating | 3 | CET121, ECA122, MTH125 & (CET122 or DET125 or CET237) |
| CET222 | Concrete & Asphalt Testing | 3 | MTH125, CET121 |
| CET238 | Tech Project – Civil Engineering | 3 | CET223 OR |
| CET228 | | | |
| CET236 | Global Positioning System | 3 | CET227 |
| | Arts/Humanities/Social Science Elective | <u>3</u> | - |
| | | 18 | |
| TOTAL CREDITS | | 71 | |

Arts/Humanities/Social Science Electives: ACC130, PHL122, SOC121, SOC225