

ENGINEERING GRAPHICS - AAS

Guided Pathway/Map

NOTE: The Guided Pathway below contain all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online. *Please refer to your STARS guide or transfer institution for specific course requirements.

| | Course # | Course Name | Sem. Hours |
|------------|------------------|---|------------------------|
| Semester 1 | DDT104 | Introduction to Computer-Aided Drafting and Design | 3 |
| | DDT111 | Fundamentals of Drafting and Design Technology | 3 |
| | CIS146 | Microcomputers Applications | 3 |
| | Area II | Humanities and Fine Arts Elective | 3 |
| | Area IV | History/Social/Behavioral Science Elective | 3 |
| | ORI101 OR ORI105 | Orientation to College OR Orientation and Student Success | 1-3 |
| | | | Semester Total:16 - 18 |
| Semester 2 | DDT124 | Intro to Technical Drawing | 3 |
| | DDT127 | Intermediate Computer-Aided Drafting and Design | 3 |
| | DDT144 | Basic 3D Modeling | 3 |
| | MTH100 | Intermediate College Algebra | 3 |
| | ENG101 | English Composition I | 3 |
| | | ELIGIBLE FOR STACKABLE STC Mechanical CAD Tech | Semester Total: 15 |
| Semester 3 | DDT150 | Theory of Residential Drawing and Design | 3 |
| | DDT155 | Drawing for Residential Construction | 4 |
| | DDT216 | Design of Structural Wood Members | 3 |
| | SPH106 OR SPH107 | Fundamentals of Oral Communication OR Fundamentals of Public Speaking | 3 |
| | | | Semester Total: 13 |
| Semester 4 | DDT128 | Intermediate Technical Drawing | 3 |
| | DDT233 | Intermediate 3D Modeling | 3 |

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| | DDT244 | Advanced Modeling | 3 |
| | WKO106 | Workplace Skills | 3 |
| | | | Semester Total: 12 |
| Semester 5 | DDT213 | Civil Drafting, Plat Maps | 3 |
| | DDT220 | Advanced Technical Drawing | 3 |
| | DDT225 | Structural Steel Drafting | 3 |
| | PHS112 | Physical Science II | 4 |
| | DDT286 | CO-OP | 1 |
| | | ELIGIBLE FOR STACKABLE STC Architectural CAD Tech | Semester Total: 14 |
| | | | Program Total: 70-72 |

ENGINEERING GRAPHICS - Certificate

Guided Pathway/Map

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| | Course # | Course Name | Sem. Hours |
|------------|------------------|---|------------------------|
| Semester 1 | DDT104 | Introduction to Computer-Aided Drafting and Design | 3 |
| | DDT111 | Fundamentals of Drafting and Design Technology | 3 |
| | CIS146 | Microcomputers Applications | 3 |
| | ORI101 OR ORI105 | Orientation to College OR Orientation and Student Success | 1-3 |
| | | | Semester Total:10 - 12 |
| Semester 2 | DDT124 | Intro to Technical Drawing | 3 |
| | DDT127 | Intermediate Computer-Aided Drafting and Design | 3 |
| | DDT144 | Basic 3D Modeling | 3 |
| | MTH100 | Intermediate College Algebra | 3 |
| | ENG101 | English Composition I | 3 |
| | | ELIGIBLE FOR STACKABLE STC Mechanical CAD Tech | Semester Total: 15 |
| Semester 3 | DDT150 | Theory of Residential Drawing and Design | 3 |
| | DDT155 | Drawing for Residential Construction | 4 |
| | DDT216 | Design of Structural Wood Members | 3 |
| | SPH106 OR SPH107 | Fundamentals of Oral Communication OR Fundamentals of Public Speaking | 3 |
| | | | Semester Total: 13 |
| Semester 4 | DDT128 | Intermediate Technical Drawing | 3 |
| | DDT233 | Intermediate 3D Modeling | 3 |
| | WKO106 | Workplace Skills | 3 |
| | | | Semester Total: 9 |

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|------------|--------|--|----------------------|
| Semester 5 | DDT213 | Civil Drafting, Plat Maps | 3 |
| | DDT220 | Advanced Technical Drawing | 3 |
| | DDT225 | Structural Steel Drafting | 3 |
| | DDT286 | CO-OP | 1 |
| | | ELIGIBLE FOR STACKABLE STC Architectural CAD Tech | Semester Total: 10 |
| | | | Program Total: 58-60 |

ENGINEERING GRAPHICS – Short Certificate

Guided Pathway/Map

NOTE: The Guided Pathway below contain all the coursework required for degree/certificate completion. However, courses may be offered or taken in other semesters as long as prerequisites are met. Courses may be available days, nights, hybrid, and online. *Please refer to your STARS guide or transfer institution for specific course requirements.

| | Course # | Course Name | Sem. Hours |
|------------|----------|--|--------------------|
| Semester 1 | DDT104 | Introduction to Computer-Aided Drafting and Design | 3 |
| | DDT111 | Fundamentals of Drafting and Design Technology | 3 |
| | DDT124 | Basic Technical Drawing | 3 |
| | DDT144 | Basic 3D Modeling | 3 |
| | | ELIGIBLE FOR STACKABLE STC MECHANICAL CAD TECH | Semester Total: 12 |
| Semester 2 | DDT150 | Theory of Residential Drawing and Design | 3 |
| | DDT155 | Drawing for Residential Construction | 4 |
| | DDT128 | Intermediate Technical Drawing | 3 |
| | DDT213 | Civil Drafting, Plat Maps | 3 |
| | DDT216 | Design of Structural Wood Members | 3 |
| | | ELIGIBLE FOR STACKABLE STC ARCHITECTERAL CAD TECH | Semester Total: 16 |
| | | | Program Total: 28 |