PROGRAM PLANNING GUIDE

AIR CONDITIONING, HEATING, AND REFRIGERATION TECHNOLOGY D35100A - Fall Start

Replaces Curriculum Schedule with Revision Date: FA2024 Date Revised: FA2025

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|---|--|---|--|---|---|----------------------|------------------------|--|--|--|
| | | CURRICULUM BY SEMEST | ER | | | | | | | |
| | | | | Hours Pe | er Week | | Semesters | | | |
| urse No. | Course Title | Pre-Requisites | Co-Requisites | Class | Lab | Credits | Offered | | | |
| Fall Semester | | | | | | | | | | |
| 110 | Introduction to Refrigeration | None | None | 2 | 6 | 5 | FA, SP | | | |
| 111 | HVACR Electricity | None | None | 2 | 2 | 3 | FA, SP, SU | | | |
| 112 | Heating Technology | None | None | 2 | 4 | 4 | FA, SP | | | |
| 180 | HVACR Customer Relations | None | None | 1 | 0 | 1 | FA, SP | | | |
| 213 | HVACR Building Code | None | None | 1 | 2 | 2 | FA, SP | | | |
| 115 | Success & Study Skills | None | None | 0 | 2 | 1 | FA, SP | | | |
| | | | | | | | | | | |
| g Semeste | er | | | | | | | | | |
| 113 | Comfort Cooling | None | None | 2 | 4 | 4 | FA, SP | | | |
| 114 | Heat Pump Technology | AHR 110 or AHR 113 | None | 2 | 4 | 4 | FA, SP | | | |
| 133 | HVAC Servicing | AHR 112 or AHR 113 | None | 2 | 6 | 4 | FA, SP | | | |
| | English Elective | | | - | - | 3 | | | | |
| | Major Elective | | | | | 1 | | | | |
| - | • | • | | - | | - | | | | |
| ner Semes | ster | | | | | | | | | |
| 115 | Refrigeration Systems | AHR 110 | None | 1 | 3 | 2 | SU | | | |
| 125 | HVACR Electronics | AHR 111 or ELC 111 or ELC | None | 2 | 2 | 3 | SU | | | |
| | | 112 | | | | | | | | |
| 111 | Building Automation Systems | None | None | 1 | 3 | 2 | SU | | | |
| 1 | | | | - | - | | | | | |
| | rse No. emester 110 111 112 180 213 115 Semester 113 114 133 her Semes 115 125 | Introduction to Refrigeration 110 Introduction to Refrigeration 111 HVACR Electricity 112 Heating Technology 180 HVACR Customer Relations 213 HVACR Building Code 115 Success & Study Skills 3 Semester 113 Comfort Cooling 114 Heat Pump Technology 133 HVAC Servicing English Elective Major Elective Merer Semester 115 Refrigeration Systems 125 HVACR Electronics | CURRICULUM BY SEMEST Trise No. Course Title Pre-Requisites Emester 110 Introduction to Refrigeration None 111 HVACR Electricity None 112 Heating Technology None 180 HVACR Customer Relations None 213 HVACR Building Code None 115 Success & Study Skills None 3 Semester 113 Comfort Cooling None 114 Heat Pump Technology AHR 110 or AHR 113 133 HVAC Servicing AHR 112 or AHR 113 English Elective Major Elective The Semester 115 Refrigeration Systems AHR 110 125 HVACR Electronics AHR 111 or ELC 111 or ELC 111 111 Building Automation Systems None | Trise No. Course Title Pre-Requisites Co-Requisites | CURRICULUM BY SEMESTER Hours Perser No. Course Title Pre-Requisites Co-Requisites Class emester 110 Introduction to Refrigeration None None 2 111 HVACR Electricity None None 2 112 Heating Technology None None 2 180 HVACR Customer Relations None None 1 213 HVACR Building Code None None 1 115 Success & Study Skills None None 0 Semester 118 Comfort Cooling None None 2 119 Heat Pump Technology AHR 110 or AHR 113 None 2 119 English Elective | Hours Per Week | CURRICULUM BY SEMESTER | | | |

Graduation Requirement Credit Hours: 42

PROGRAM PLANNING GUIDE

| MAJOR ELECTIVES | | | | | | | | |
|-----------------|-----------|---------------------------|--------------------------|------|-------|-----------|---------|------------|
| | | | Hours Per Week | | | Semesters | | |
| Cou | rse No. | Course Title | | | Class | Lab | Credits | Offered |
| Major | Electives | Credit Hours Needed: 1 | | | | | | |
| AHR | 160 | Refrigerant Certification | None | None | 1 | 0 | 1 | SU |
| AHR | 212 | Advanced Comfort Systems | AHR 114 | None | 2 | 6 | 4 | FA |
| AHR | 235 | Refrigeration Design | AHR 110 | None | 2 | 2 | 3 | FA |
| AHR | 250 | HVAC System Diagnostics | AHR 133 | None | 0 | 4 | 2 | FA, SP |
| WBL | 111DD | Work-Based Learning I | 14 program credits hours | None | 0 | 10 | 1 | FA, SP, SU |
| WBL | 112DD | Work-Based Learning I | 14 program credits hours | None | 0 | 20 | 2 | FA, SP |

| ENGLISH ELECTIVES | | | | | | | | | |
|-------------------|-----------|---------------------------------|-----------------------|----------------|-------|-----|-----------|------------|--|
| | | | | Hours Per Week | | | Semesters | | |
| Cou | ırse No. | Course Title | | | Class | Lab | Credits | Offered | |
| Major | Electives | Credit Hours Needed: 3 | | | | | | | |
| ENG | 110 | Freshman Composition | ENG 002 (If required) | None | 3 | 0 | 3 | FA, SP, SU | |
| ENG | 111 | Writing and Inquiry (University | ENG 025 (If required) | ENG 045 | 3 | 0 | 3 | FA, SP, SU | |
| | | Transfer) | | (If required) | | | | | |

| SOCIAL SCIENCE ELECTIVES | | | | | | | | |
|--------------------------|--|--------------------------------|--------------------|------|-------|-----|-----------|------------|
| | | | Hours Per Week | | | | Semesters | |
| Cou | rse No. | Course Title | | | Class | Lab | Credits | Offered |
| Major | Major Electives Credit Hours Needed: 1 | | | | | | | |
| PSY | 118 | Interpersonal Psychology | None | None | 3 | 0 | 3 | FA, SP, SU |
| PSY | 150 | General Psychology (University | ENG 002 or ENG 025 | None | 3 | 0 | 3 | FA, SP, SU |
| | | Transfer) | (If required) | | | | | |