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| JJC Logo Primary_black.jpg | **2020-2021 Completion Guide**  **Heating, Ventilation and Air Conditioning, C.A.C., TE765**  **ICCB Approved Total Program Hours: 36** |
| Date: September 1, 2019 | *The following schedule is based on full-time enrollment. Students planning to transfer to a senior institution should check with that institution for specific transfer requirements.* |
| Program Prerequisites |  |

**T= Traditional H = Hybrid W = Web**

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| **First Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| HVAC 120 | Electrical Controls for HVAC/R | 3 | T |  | FL, SP |  |
| HVAC 121 | Introduction to Air Conditioning Principles | 3 | T |  | FL, SP |  |
| EEAS 101 | Basic Wiring and Circuit Design | 4 | T |  | FL, SP |  |
| HVAC 124 | Introduction to Heating Fundamentals | 3 | T | HVAC 120 Which may be taken concurrently | FL, SP |  |
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|  | Total Semester Hours | 13 |  |  |  |  |

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| **Second Semester (Fall Starts) (Spring Starts Jump to Third Semester)** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| HVAC 122 | Advanced Laboratory Applied to Air Conditioning Systems | 3 | T | HVAC 121 | FL, SP |  |
| HVAC 125 | Heat Loss and Heat Gain Calculations | 3 | T | HVAC 120, 121, and 124 | SP |  |
| HVAC 126 | Duct Design and Installation Applications | 3 | T | HVAC 124 | SP |  |
| HVAC 127 | Refrigeration Service Principles | 3 | T | HVAC 121 | SP |  |
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|  | Total Semester Hours | 12 |  |  |  |  |

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| **Third Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| HVAC 228 | Principles of Heat Pump and Hydronic Boiler Technology | 3 | T | HVAC 124 | FL |  |
| AEC 107  OR  AEC 106 | Blueprint Reading for Non- Construction Majors  OR  Blueprint Reading for Construction Tech | 2  OR  3 | T |  | FL, SP |  |
| Elective #1  CAT I-V |  |  |  |  | FL, SP | Recommend BUS 110 |
| Elective #2  CAT I-V |  |  |  |  | FL, SP | Recommend ECON 103 |
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|  | Total Semester Hours |  |  |  |  |  |

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| **Fourth Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
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|  | Total Semester Hours |  |  |  |  |  |

**Graduation Requirements**

To be awarded an Associate degree at Joliet Junior College, each student must meet the following requirements:

1. Satisfy all admission requirements.

2. Complete the courses required to earn the chosen degree. If the student is a transfer student with coursework taken elsewhere, he/she must complete a minimum of 60 credit hours of which the last 15 credit hours applicable to the degree are earned at Joliet Junior College. If the student has not taken the last 15 hours at JJC, then a total of 30 credit hours applicable to the degree must be earned at Joliet Junior college. Proficiency test, CLEP and Advanced Placement do not meet this requirement.

3. Earn a cumulative grade point average of at least 2.0.

4. Discharge all financial obligations to the college; have no restrictions.

5. File an application for graduation (An application should be filed at the time of registration for student’s anticipated last semester).

6. Have on file in the Graduation office by the graduation filing date all transcripts from other colleges/universities that are to be evaluated for credit, to be applied toward a degree. A delay in the process may result in a later graduation date.

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| For more information: | **Department Chairperson** | **Program Coordinator** | **Program Advisor** |
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