JOLIET JUNIOR COLLEGE 1901	**2021-2022 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

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	
	Total Semester Hours	13				

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	
	Total Semester Hours	12				

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
	Total Semester Hours	11				

Graduation Requirements

<u>To be awarded a Certificate of Achievement or Certificate of Completion at JJC, each student must meet the following requirements:</u>

1. Satisfy all admission requirements.
2. Complete the courses required to earn the chosen certificate. Complete a minimum of 4-29 credit hours (Certificate of Completion) or 30-50 credit hours (Certificate of Achievement). If the student is a transfer student with coursework taken

elsewhere, he/she must complete a minimum of 25% of the total required credit hours applicable to the certificate at JJC. Proficiency test, CLEP, and Advanced Placement do not meet this requirement.
3. Earn a cumulative grade point average of at least 2.0 in the area of concentration.
4. Discharge all financial obligations to the college and have no restrictions.
5. File an application for graduation. An application should be filed at the time of registration for the student's anticipated last semester.
6. Have all official transcripts from other college/universities on file in the Graduation
Office by the graduation filing date for evaluation of credit. A delay in the process may result in a later graduation date.

	Department Chairperson	**Program Coordinator**	**Program Advisor**
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