



2023-2024 Completion Guide
TE610 Mechanical Production Technology CAC
ICCB Approved Total Program Hours: 48

Date: March 31, 2023

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
MFG 115	Blueprint Reading for Manufacturing and Welding	3	T		FL, SP	
CADD 101	2D Computer Aided Design and Drafting I	3	T	MATH 095 or consent of department	FL, SP	
COURSE FROM GROUP IV: MATH	Select one Math course, Math 98 or higher level	3	T		FL, SP	
MFG 101	Precision Machine Tool Technology I	4	T		FL, SP	
MFG 107	Dimensional Metrology	3	T		FL, SP	
	Total Semester Hours	16				

Second Semester

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
MFG 111	Numerical Control	3	T	MFG 101	FL, SP	
MFG 120	Physical Metallurgy	3	T	MFG 101	FL, SP	
MFG 102	Precision Machine Tool Technology II	4	T	MFG 101	FL, SP	
GEN ED ELECTIVE	Choose from Groups I-V General Education	3	T		FL, SP	
	Total Semester Hours	13				

Third Semester

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
MFG 103	Precision Machine Tool Technology III	5	T	MFG 102	FL, SP	
MFG 112	Advanced Numerical Control	3	T	MFG 111 or CADD 101	FL, SP	
	Total Semester Hours	8				

Fourth Semester

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
MFG 104	Manufacturing Processes	5	T	MFG 103 and MFG 112 and CADD 101. Concurrent: MFG 112 can be taken concurrently	FL, SP	

				with this course with departmental approval.		
TECHNICAL ELECTIVE		3	T		FL, SP	
WLDG (ANY)		3	T		FL, SP	
	Total Semester Hours	11				

Graduation Requirements

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

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.

For more information:	Department Chairperson	Program Coordinator	Program Advisor
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