JOLIET JUNIOR COLLEGE	**2023-2024 Completion Guide** **TE543 Process Instrumentation Technology, A.A.S.** **ICCB Approved Total Program Hours: 65**
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
ENG 101 or ENG 130	Rhetoric or Technical Writing and Communication	3	Varies	Appropriate placement score or minimum grade "C" in one of the following: ENG 021 and ENG 099 or the EAP course sequence ENG 079 and ENG 089; or ENG 096.	FL/SP/SM	
TMATH 107	Technical Mathematics I	3	Varies	Prerequisite: Appropriate placement score or a minimum grade of "C" in MATH 090	Varies	Take TMath 107 & 108 or Math 119
MATH 119	Mathematics for Technical Students	5	T	Pre-requisite: Appropriate placement score or minimum grade "C " in MATH 095 and MATH 098 or equivalent	Varies	
EEAS 111	Industrial Controls I	4	T	NONE	Varies	
EET 113	Electrical Circuits	4	T	NONE	Varies	
	Total Semester Hours	16				

Second Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
TMATH 108 or	Technical Mathematics II, or	3	T	Prerequisite: MATH 107 or MATH 094 with a minimum grade of "C" or appropriate placement score	Varies	Take TMATH 107 & 108 or Math 119
PCIT 101	Introduction to Process Technology	4	T	NONE	Varies	
EEAS 113	Industrial Controls II	4	T	EEAS 111	Varies	
EET 114	Digital Electronics	4	T	NONE	Varies	
IMT 121	Industrial Fluid Power	3	T	NONE	Varies	
	Total Semester Hours	15				

Third Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
PCIT 111	Pneumatic Measurement and Control	3	T	NONE	Varies	Eight week course, 1st eight weeks
PCIT 113	Electronic Measurement and Control Lecture	3	T	PCIT 111	Varies	Eight week course, 2nd eight weeks
EEAS 221	Industrial Circuits Basic Programmable Logic	4	T	EEAS 113	Varies	
PHYS 103	Technical Physics	4	T	Prerequisite: placement into ENG 101 or minimum grade	Varies	

				"C" in one of the following: ENG 021 and ENG 099, or the EAP course sequence ENG 078 and ENG 089, or ENG 096; and placement into MATH 094, or minimum grade "C" in MATH 090 or equivalent. Recommended: TMATH 107 (previously Math 107) or TMATH 108 (previously Math 108)		
Social Science Elective		3	Varies	Prerequisite: placement into ENG 101 or minimum grade "C" in one of the following: ENG 021 and ENG 099, or the EAP course sequence ENG 078 and ENG 089, or ENG 096	Varies	
	Total Semester Hours	17				

Fourth Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
PCIT 221	Control Loop Tuning and Troubleshooting	3	T	PCIT 113	Varies	Eight week class. 1st eight weeks
PCIT 241	Industrial Data Communications: Serial Standards	3	T	PCIT 321	Varies	Eight week class. 2nd eight weeks.
EET 214 or EEAS 223	Microcomputer Electronics or Industrial Circuits – Advanced Programmable Controllers	4	T	EET 114 or EEAS 221	Varies	
PCIT 231	Analyzing	3	T	PCIT 221	Varies	Eight week class, 2nd eight weeks.
Technical Elective	IMT, EET, EEAS, or PCIT elective	4	Varies	Varies	Varies	
	Total Semester Hours	17				

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 given degree. If the student is a transfer student with coursework taken elsewhere, he/she must complete a minimum of 15 credit hours applicable to the degree at JJC. Proficiency test, CLEP and Advanced Placement does 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 the student's anticipated last semester.)
6. Have all official transcripts from other colleges/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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