JOLIET JUNIOR COLLEGE 1901	**2021-2022 Completion Guide** **Computer Engineering Technology (Systems Option),** **Associates in Applied Science, TE830** **ICCB Approved Total Program Hours: 64**
Date	*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**	Technical Writing and Communication* *or Rhetoric**	3	W* T, W**	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	
EET 102	Electronic Soldering Circuit Board Rework and Repair	2	T			
EET 113	Electrical Circuits	4	T			
MATH 131*, 138** or 170***	College Algebra*, Into to Discrete Pre-Calculus Mathematics**, or Calculus with Analytic Geometry I ***	4* 4** 5***	T	Appropriate placement score or minimum grade "C" in MATH 095 and MATH 098 or equivalent.* Appropriate placement score or minimum grade "C" in MATH 095 and MATH 098 or equivalent.** Appropriate placement score or minimum grade of "C" in MATH 139 or MATH 142 or equivalent.***	FL, SP, SM* FL, SP, SM** FL, SP, SM***	
CIS 122	Computer Information System Fundamentals	4	T, H, W		FL, SP, SM	
	Total Semester Hours	17				

Second Semester

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
EET 125	Solid State Circuitry	4	T	Minimum grade of "C" in EET 113		
EET 114	Digital Electronics	4	T			
CIS 130	BASIC Programming	4	T, W	CIS 122 and placement testing into MATH 127 or higher level Math course, or minimum grade of "C" in MATH 098.	FL, SP, SM	
CIS 145	Fundamentals of Networking	3	T, W	CIS 122, may be taken concurrently.	FL, SP, SM	
	Total Semester Hours	15				

Third Semester

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
PHYS 101* or PHYS 103**	General Physics I* or Technical Physics**	5* 4**	T	Placement into ENG 101 or minimum grade of "C" in one of the following: ENG 021 and ENG 099; or the EAP course sequence ENG 079 and ENG 089, or ENG 096; and placement score into MATH 170, or minimum grade "C" in MATH 139.* Placement into ENG 101 or minimum grade of "C" in one of the following: ENG 021 and ENG 099, or the EAP course sequence ENG 079 and ENG 089, or ENG 096; and placement into MATH 094 or minimum grade "C" in MATH 090 or equivalent. Recommended: TMAT 107 (previously MATH 107) or TMAT 108 (previously MATH 108).**	FL, SP, SM* FL, SP**	
CIS 213	Electronic Spreadsheet Software	3	W	CIS 126 or OFS 214 or consent of department	SP	
EET 214	Microcomputer Electronics	4	T	Minimum grade of "C" in EET 114		
Group II Gen Ed		3				
EET Elective		3				
	Total Semester Hours	18/17				

Fourth Semester

Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
CIS 250	Systems Analysis & Design	3	T, W	CIS 130 or CIS 136 or consent of department.	FL, SP	
CIS 159	Intro to Operating Systems & Scripts	4	T	CIS 122 or equivalent.	FL, SP	
EET 224	Advanced Microcomputer Electronics	4	T	Minimum grade of "C" in EET 214.		
Group I-V Gen Ed		4				
	Total Semester Hours	15				

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 15 credit hours applicable to the degree 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.

For more information:	Department Chairperson	Program Coordinator	Program Advisor
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