



2022-2023 Completion Guide
Computer Engineering Technology (Software Development Option),
Associate in Applied Science, TE829
ICCB Approved Total Program Hours: 64

Date	<i>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.</i>
Program Prerequisites	

T= Traditional H = Hybrid W = Web

First Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
ENG 101	Rhetoric	3	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*, 137**, 138***, or 170****	College Algebra*, Into to Discrete Mathematics**, Pre-Calculus Mathematics***, or Calculus with Analytic Geometry I****	4* 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 137, or MATH 138, or MATH 142 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** FL, SP, SM*** FL, SP, SM****	
CIS 122	Computer Info 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 136	PASCAL Programming	4	W	CIS 122 and placement testing into MATH 127 or higher level Math course, or minimum grade of "C" in MATH 098.	FL, SP	
	Total Semester Hours	16				

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**	
EET 214	Microcomputer Electronics	4	T	Minimum grade of "C" in EET 114		
CIS 236	Programming in C	4	T, W	CIS 130 or CIS 136 (CIS 136 is strongly recommended)	FL, SP, SM	
EET Elective		4				
	Total Semester Hours	17/16				

Fourth Semester						
Course	Title	Credit Hours	Mode of Delivery	Prerequisites	Terms offered	Notes
CIS 246	Advanced C using C++	4	T, W	CIS 236 or consent of department and placement into MATH 127 or higher level Math course, or minimum grade of C in MATH 098.	FL, SP, SM	
EET 224	Advanced Microcomputer Electronics	4	T	Minimum grade of "C" in EET 214.		
Group II Gen Ed		3				
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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