

Jefferson State Community College
Pioneer Pathways: Business & Computer Information Systems
COMPUTER SCIENCE

A.S. Degree

Catalog Year 2021-2022

First Year – Fall Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
ORI 101	Orientation Requirement	1	All		
ENG 101	English Composition I	3	All	See Considerations #6 below	
SPH 106 or SPH 107	Fundamentals of Oral Communication or Fundamentals of Public Speaking	3	All		
HIS 102	United States History	3	All		
MTH 100	Intermediate College Algebra	3	All		
TOTAL	CREDIT HOURS	13			

First Year – Spring Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
ENG 102	English Composition II	3	All	C or higher in ENG 101 or equivalent	
MTH 112	Precalculus Algebra	3	All	C or higher MTH 100	
ECO 231	Principles Economics	3	All		
CIS 251 or CIS 285	C++ Programming or Object-Oriented Programming	3	All		
TOTAL	CREDIT HOURS	12			

First Year – Summer Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
MTH 113	Precalculus Trigonometry	3	All	C or higher MTH 112	
HED 221	Personal Health	3	All		
PSY 200	General Psychology	3	All		
TOTAL	CREDIT HOURS	9			

Second Year – Fall Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
ENG 251	American Literature I	3	All	ENG 102 or equivalent	
PHL 106	Introduction to Philosophy	3	All		
MTH 125s	Calculus I	4	All	C or higher MTH 113	
BIO 101	Biology I	4	All		
TOTAL	CREDIT HOURS	14			

Second Year – Spring Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
ENG 251	American Literature II	3	All	ENG 102 or equivalent	
SOC 200	Introduction to Sociology	3	All		
MTH 126	Calculus II	4	All	C or higher MTH 125s	
BIO 102	Biology	4	All		
TOTAL	CREDIT HOURS	14			

Second Year – Summer Semester

Course No.	Title	Credits	Term Offered	Prerequisite	Action Items and Dates
TOTAL	CREDIT HOURS				
TOTAL	DEGREE HOURS	62			

Notes:

The number of credits you take each year will determine when you graduate. To graduate on time, you are encouraged to enroll in at least 30 credits toward your degree during the calendar year, including fall, spring, and summer terms. Prerequisites may apply to specific courses; students and advisors must determine if prerequisites have been met. Additional semesters will be required if prerequisites, including developmental courses, must be completed. Prior to registering each semester, students are expected to meet with their advisor. **Bolded courses cannot be substituted.**

Considerations

1. Prerequisites for a course must be passed before taking the course.
2. Corequisites for a course must be taken at the same time as the course.
3. Some courses are offered in Session 1 and Session 2 and can be taken in place of full session courses. Please discuss with the advisor.
4. To guarantee a course will transfer to a 4-year institution, students should earn a grade of C or higher.
5. ORI 101 should be taken in the first year.
6. To take ENG 101, a student must have the following scores:
 - 18 or higher on ACT English subtest
 - High School graduating GPA of 2.75 or higher AND a grade of A or B in high school English 4 or English 12
 - ACCUPLACER WritePlacer score of 5-8
 - ACT scores and ACCUPLACER scores more than 5 years old cannot be used for placement. High school graduating GPA and course grades can be used for placement for 5 years after your high school graduation date.
 - The first ACCUPLACER test is free.
7. To take MTH 110 or MTH 112, a student must have the following scores:
 - 18-19 or higher on ACT Math subtest
 - High School graduating GPA of 2.75 or higher AND a grade of A or B in high school Algebra 2 or Precalculus or Calculus
 - ACCUPLACER score of EA 60-79 (before Spring 2019) OR QAS score of 253-266 (beginning Spring 2019)
 - ACT scores and ACCUPLACER scores more than 5 years old cannot be used for placement. High school graduating GPA and course grades can be used for placement for 5 years after your high school graduation date.
 - The first ACCUPLACER test is free.
8. Literature and History sequence courses do not have to be taken in order.
9. Elective courses in Areas II, III, IV, and V may be substituted for recommended courses with the advisor's approval.
10. Students should consult the Area V page of the STARS Guide for the four-year institution to which they will transfer to determine if certain courses need to be substituted.