

Murray State College
Degree Check Sheet 2019-2020
Associate in Science Degree in Computer Science

Required credits for the degree - 63-64 Credit Hours

Name: _____ Graduation Advisor Signature: _____

ID: _____ Date: _____

General Education Requirements (37-38 Credits)	Credits	Grade	Semester	Notes
English Composition (6 Credits)				
ENG 1113 English Composition I	3			
ENG 1213 English Composition II	3			
History and U.S. Government (6 Credits)				
HST 1483 US History to 1877 (or) HST 1493 US History since 1877	3			
GVT 1113 American Federal Government	3			
Science (8 Credits)				
PHS 1114 General Physical Science	4			
BIO 1114 General Biology or any Area 3 course from college catalog	4			
Humanities (6 Credits) Courses are to be selected from the Humanities related electives, see listing for acceptable courses in the college catalog.				
	3			
	3			
Mathematics (3 Credits)				
MTH 1513 College Algebra	3			
Liberal Arts (3 Credits)				
Any area 6 course from catalog	3			
Arts and Science (3 Credits)				
BC 2113 Business Communications	3			
Computer Proficiency				
<i>Demonstrated by virtue of the degree plan</i>	0			
Student Success (1 Credit) (first semester- first-time Freshman)				
COL 1211 Success Strategies	1			
Health and Wellness (2 Credits) (recommended)				
Any approved Health, Wellness, and Human Performance course	2			

Program Core and Recommended Electives - (26-Credit Hours Required)

Program Core Requirements (14 Hrs)	Credits	Grade	Sem	Recommended Program Electives (12 Hrs)	Credits	Grade	Sem
MTH 1613 Plane Trigonometry	3			*CIS 1653 Data Comm & Network Fund	3		
MTH 2215 Calculus I w/Analytic Geometry	5			* CIS 2213 Database Mgmt Systems	3		
CS 1613 Programming I	3			*MTH 2315 Calculus II w/Analytic Geometry	5		
CS 1623 Programming II	3			CS 1313 Programming Fundamentals	3		
				CS 1533 Introduction to Visual Basic	3		
				CS 2163 C ++ Programming or CS 2263 C# Programming	3		
				CIS 2223 Systems Analysis	3		
				* Strongly Recommended			
Credit Hours Required	14			Substitutions must be approved by Program Chair	12		

Total Credit Hours Required for the AS. In Computer Science: - 63-64

15 hours in residence at MSC _____

Min. 2.0 GPA _____

Min. 37-38 Hours in Gen Ed Core _____

MURRAY STATE COLLEGE

Associate in Science in Computer Science

Catalog Year 2019-2020

This curriculum is intended for students interested in traditional computer science. The program is designed to provide sound instruction and a firm foundation for students who will transfer to a four-year college or university. Students are exposed to fundamental computer concepts, various computer applications, hardware, software (both operating systems and languages) and more. Substantial "hands-on" practical experience in all topics is required.

FALL SEMESTER 1		
COURSE	TITLE	CREDITS
COL 1211/ 1211L	Success Strategies	1
ENG 1113	English Composition I	3
HST 1483/1493	US History	3
MTH 1513	College Algebra	3
CS 1613	Programming I	3
Humanities	Humanities Course	3
TOTAL CREDITS		16

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
ENG 1213	English Composition II	3
PHS 1114	General Physical Science	4
CS 1623	Programming II	3
MTH 1613	Plane Trigonometry	3
GVT 1113	American Federal Government	3
TOTAL CREDITS		16

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
MTH 2215	Calculus I w/Analytic Geometry	5
BC 2113	Business Communications	3
CIS 1653	Data Comm & Network Fund	3
CIS 2213	Database Mgmt Systems	3
HWP 1112	Personal Health	2
TOTAL CREDITS		16

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
ECO 2113	Principles of Macroeconomics	3
Humanities	Humanities Course	3
BIO 1114	General Biology	4
CS or CIS	Recommended Program Elective	3
CS or CIS	Recommended Program Elective	3
TOTAL CREDITS		16

This is a suggested course sequence only. Students may, with guidance from an Academic Advisor as well as a Faculty Advisor, make changes to their specific course sequence. The student should be aware that changes may result in more than four semesters to complete their desired Associates Degree.

GENERAL COLLEGE PREPARATORY REQUIREMENTS

Students may be required to complete transitional courses in English and/or math prior to being admitted into college level courses.

Academic placement is determined either by ACT results or placement exams.