ASSOCIATE IN SCIENCE (AS) DEGREE

2023 - 2024			
Student's Name:		Student's ID Numb	er:
Date: Pathway Navigator/Faculty Advisor:			
Associate of Science: Software an	nd D	atabase Developer (SDD-AS)	
General Education (15 hours)		Major Courses (45 hours)	Courses not Used
The Associate in Science degree consists of a minimum of 60 college-level semester hours wit at least 15 semester hours of General Educatio Core courses. The General Education Core courses are chosen for their appropriateness fo each degree and represent courses from each the following disciplines: humanities/fine arts, natural science/mathematics, behavioral science social science and communications. Consult with your Faculty Advisor if you have any questions. Communications (3/4 credits)	on or of ce/ ith	program want to begin or advance a career in software/database development. Graduates from this program seek positions as software developers, quality assurance specialists, database specialists and systems analysts. This program focuses on programming logic, in demand programming languages, database programming and design and analysis associated with creating software applications. A strong emphasis is placed on working collaboratively in a	
□ ENC1101 English Composition I • +* □ ENC1101C Enhanced English Comp. I • +*	3 4		
Humanities (3 credits) Select one Humanities course Humanities 1-Visual & Performing Arts	s	□ CGS1570 Microcomputer Applications 3 □ COP1000 Intro. to Programming Logic* 3 □ COP2700 Data Structure (SQL) 3 □ CIS2321 System Analysis & Design+ 3 □ CGS1103 Project Mgmt. Concepts & Process. 3 □ COP2250 Java Programming I+* 3 □ COP2224 C++ Programming I+* 3 □ COP2840 Internet Programming+ 3 □ DIG2100 Web Design I 3 □ COP2657 Intro. to SmartPhone Program.+* 3 □ CTS1650 Network Fundamentals* 3 □ COP2701 Database Design & Mgmt.+* 3 □ CTS1120 Security+(plus)+* 3 □ CEN2212 Intro. to Program. the Internet of Things+ 3 □ COP2940 Integrat. Program. & Tech. Capstone+# 3	Notes
☐ ARH2000 Understanding Visual Arts●☐ MUL2010 Understanding Music●☐ THE2000 Understanding Theater● Humanities 2-Philosophy/Religion	3 3 3		
Prerequisite ENC1101 or ENC1101C with grade "C" or hig	-		
☐ PHI2010 Intro. to Philosophy•+* Humanities 3-Literature Prerequisite ENC1102 with grade "C" or higher.	3		
☐ LIT2000 Literature and Culture●+*	3		
Mathematics (3 credits)		Other AS Requirements	
☐ MAC1105 College Algebra •+*	3	General Education Core Requirement Successful completion of at least one dotted core course from each of the five major general	
Natural Sciences (3 credits) Select one Science course		education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences Civic Literacy Requirement (@) Successful completion of AMH 2020 OR POS 2041 AND passing score on the Florida Civic Literacy Exam (FCLE)	
Physical Sciences ☐ AST1002 Descriptive Astronomy ☐ CHM1045 General Chemistry ☐ ESC2000 Earth & Space Science Survey ☐ EVR1001 Intro. to Environmental Science ☐ PHY1020 Basic Concepts of Physics ●	3 3 3 3		
PHY2048 University Physics I+ PHY2053 College Physics I+	3	Developmental Courses ☐ ENC0022 Dev. Writing I & II Combined* 3	
Biological Sciences ☐ BSC1005 General Biological Science● ☐ BSC2010 Biology for Science Majors I●+ ☐ BSC2085 Anatomy & Physiology I●+	3 3 3	☐ REA0019 Dev. Reading I & II Combined* 3 ☐ MAT0012 Dev. Arithmetic with Algebra* 3	
Social Sciences (3 credits) Select one Social Science Course		Key	
History ☐ AMH2020 United States History II●@ Government ☐ POS2041 American Nat'l Government●@	3	+ = Prerequisite or co-requisite required * = Minimum grade of "C" required @ = Course meets Civic Literacy Requirement •= General Education Core course #=Applies to A.S. and Certificate Programs	

☐ POS2041 American Nat'l Government • @ 3