Academic Map: Computing and Information Technology: Software Programming

Associate of Applied Science (A.A.S) | 61 Total Credits[1] | CSN Degree Code: CITSP-AAS | Catalog Year: 2022-2023 |

Computing and Engineering Technologies   Advanced and Applied Technology   Department of Computing and Information Technology

Jobs and Employment Information: https://www.csn.edu/cetarea

DESCRIPTION: This degree prepares students for employment in fields related primarily to computer programming. In addition to technical content, the degree includes skills in communication (oral, written, and listening), project management, databases, web site development, teamwork, and problem solving.

TERM 1 – TOTAL CREDIT HOURS: 15-18

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
ET 111B or MATH 120 or above*	3	*ACT/SAT or Placement*	GE Math	C	*Except MATH 122/123
ENG 100 or 101 or 107 or 110 or 113	3	ACT/SAT or ENG Place Score; or C or up in ENG 98 or ESL 139	GE ENG Comp	C	
Human Rel Elect – see advisor/counselor	3	*Depends on course chosen*	GE Human Rel	C	
IS 100B or IS 101[1]	0-3	*None*	Digital Literacy	C	
CIT 112B Network+	3	*None*	Special Prog Req	C	
Spec Prog Elective – see advisor/counselor	3	*Depends on Course chosen*	SP Elective	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 15

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
Nat Science Elec – see advisor/counselor	3	*Depends on course chosen*	GE Nat Science	C	
CIT 151 Beginning Web Development	3	IS 100B or IS 101 or Instructor Approval	Special Prog Req	C	
CIT 160 Intro to Computer Security	3	IS 100B or IS 101 or Instructor Approval	Special Prog Req	C	
CIT 263 Project Management	3	IS 100B or IS 101 and a C or up in ENG100 or above or COM 101 or above or Instructor Approval	Special Prog Req	C	
IS 115 Introduction to Programming	3	C or up in MATH 95 or higher or C or up in ET 11B or ACT/SAT or Placement	Special Prog Req	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 15

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
CIT 130 Beginning Java	3	CIT 129 or Instructor Approval	Special Prog Req	C	
CIT 180 Database Concepts and SQL Program	3	CIT 129 or Instructor Approval	Special Prog Req	C	
Lang Elec – See advisor/counselor Spec Prog	6	*Depends on course chosen*	SP Prog Language	C	
Elective – see advisor/counselor	3	CSCO 120	SP Elective	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 16

	Credits	Pre-Requisite/Co-Requisite	Area	Min Grade	Milestones and Notes
FA/HUM/SS Elective – See advisor/counselor	3	*Depends on course chosen*	GE FA/Hum/SS	C	
COM 115 Applied Communications	3	*None*	GE Com	C	
PSC 101 or HIST 100	4	*None*	GE US/NV Cons	C	
Adv Prog Lang Elec – See advisor/counselor	6	*Depends on course chosen*	SP Adv Language	C	Apply for Graduation

[1]Students who complete IS 101 will complete a total of 64 credits for this degree.