



Academic Map: Computing and Information Technology: Software Database (AAS)

Associate of Applied Science (A.A.S) | 61 Total Credits¹ | CSN Degree Code: CITSDT-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 database design, database application development, and database administration. In addition to technical content, the degree includes skills in communication (oral, written, and listening), project management, databases, teamwork, and problem solving.

TERM 1 – TOTAL CREDIT HOURS: 15-18

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
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 an advisor/counselor	3	Depends on Course chosen	SP Elective	C	Mandatory Advising Required

TERM 2 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
Nat Science Elec – see an 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	
CIT 129 Introduction to Programming	3	C or up in ET 111B or MATH 116 or above (except MATH 122/123)	Special Prog Req	C	Mandatory Advising Required

TERM 3 – TOTAL CREDIT HOURS: 15

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
CIT 130 Beginning Java	3	CIT 129 or Instructor Approval	Special Prog Req	C	
CIT 180 Database Concepts and SQL	3	CIT 129 or Instructor Approval	Special Prog Req	C	
CIT 203B Access Certification Prep	3	CIT 129 or Instructor Approval	Special Prog Req	C	
Spec Prog Elective – see an advisor/counselor	3	CSCO 120	SP Elective	C	
COM 115 Applied Communications	3	None	GE Com	C	Mandatory Advising Required

TERM 4 – TOTAL CREDIT HOURS: 16

	<u>Credits</u>	<u>Pre-Requisite/Co-Requisite</u>	<u>Area</u>	<u>Min Grade</u>	<u>Milestones and Notes</u>
FA/HUM/SS Elective – See advisor/counselor	3	Depends on course chosen	GE FA/Hum/SS	C	
PSC 101 or HIST 100	4	None	GE US/NV Cons	C	
CIT 181 Introduction to Oracle	3	CIT 180 or Instructor Approval	Special Prog Req	C	
CIT 183 Database Administration	3	CIT 180 or Instructor Approval	Special Prog Req	C	
CIT 184 Oracle PL/SQL Programming I	3	CIT 180 or Instructor Approval	Special Prog Req	C	Apply for Graduation

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