

Data Science and AI (DSAI)

Freshman

NONE ENGL 1010 (3) Writing I	ENGL 1010 (C or Better) ENGL 1020 (3) Writing II
NONE CSC 1020 (1) Connections to Comp.	General Education¹(3)
General Education¹(3)	General Education¹(3)
CSC 1200 or MATH 1910 CSC 1300 (4) Intro to Prog MATH 1910	CSC 1300 (C or better) CSC 1310 (4) Data Structures
MATH 1710 & 1720 (C or better) or MATH 1730 (C or better) or ACT (27 or better) MATH 1910 (4) Calculus I	MATH 1910 (C or better) MATH 1920 (4) Calculus II

Sophomore

Science² (4)	Science² (4)
CSC 1310 (C or better) CSC 2310 (4) Object-Oriented Prog	ENGL 1020 PC 2500 (3) Comm in Professions ENGL 1020 OR NONE COMM 2025 (3) Fund of Comm
CSC 1310 (C or better) CSC 2510 (3) Introduction to DevOps and Unix	MATH 1130 (C or better) or permit from Math Dept. MATH 3070 (3) Statistical Methods I OR MATH 1920 (C or better) MATH 3470 (3) Intro to Probs and Stats
CSC 1310 (C or better) CSC 2700 (3) Discrete Structures For Comp Sci.	CSC 1310 (C or better) CSC 2220 (3) Introduction to DS and AI
Engl 1020 (C or better) English Literature³ (3)	MATH 1920, CSC 1310 (C or better) CSC 2400 (3) Design of Algorithms MATH 1920

Junior

General Education¹(3)	Junior Standing, CSC 1310 (C or better) CSS 3710 (3) Found. Of Comp. Sci.
Math 1920 (C or better) MATH 2010 (3) Intro to Linear Alg.	Junior Standing, CSC 1310 (C or better) CSC 4220 (3) Found. of Data Sci
CSC 1610 or CSC 2700 (C or better) & CSC 1310 or both CSC 2110 & CSC 2111 (C or better) CSS 3710 (3) Found. Of Comp. Sci.	General Education¹(3)
CSC 1310 (C or better) CSC 3410 (3) Org & Assembly	Junior Standing, CSC 1310 (C or better) CSC 3040 (3) Proff, Comm, and Res
CSC 1310 (C or better) CSC 3220 (3) Found. of Data Sci	CSC 3410 CSC 4320 (3) Comp Architecture

Senior

Senior Standing, CSC 2310, CSC 2400, CSC 3040, and CSC 3300 CSC 4610 (3) Software Eng I	CSC 3410 CSC 4260 (3) Adv Data Sci and App
General Education¹(3)	Electives (5)
CSC 3410 CSC 4240 (3) Artificial Intelligence	CSC 2400 CSC 4200 (3) Computer Networks
CSC 3410 CSC 4100 (3) Operating Systems	CSC 4610 (C or better) CSC 4620 (3) Software Eng II

¹ General Education History 2010 or History 2020 OR

¹ General Education Humanities/Fine Arts (9 credit hours, 3 of which must be a literature) OR

¹ General Education Social Science (6 credit hours)

² Science:

Take one science sequence from
 BIOL 1113 and BIOL 1123 OR
 BIOL 1113 and BIOL 2310 OR
 CHEM 1110 and CHEM 1120 OR
 GEOL 1040 and GEOL 1045 OR
 PHYS 2010 and PHYS 2020 OR
 PHYS 2110 and PHYS 2120

³ English Literature: Take ENGL 2130, or ENGL 2235, or ENGL 2330.

Key:

Prerequisites Course Number (Cr. Hours) Course Title Co-requisites
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Computer Science Flowchart (Core)