

Data Science and AI (DSAI)

Freshman			
Fall		Spring	
ENGL 1010 - Writing I	3	ENGL 1020 - Writing II	3
MATH 1910 - Calc I	4	HIST 2020 - Modern US History	3
CSC 1300 - Intro to Prog	4	Social/Behavioral Science Elec. ²	3
CSC 1020 - Connec to Comp ¹	1	MATH 1920 - Calc II	4
HIST 2010 - Early US History	3	CSC 1310 - Data Structures and Alg	4
Total Hours:	15	Total Hours:	17

Sophomore			
Fall		Spring	
CSC 2700 - Disc Stru for Comp Sci	3	MATH 3070 - Stat Methods I/MATH 3470 - Intro Prob and Stat	3
COMM 2025 - Fund of Comm/PC 2500 - Comm in the Proff	3	ENGL 2130 - Amer Lit/ENGL 2235 - Brit Lit/ENGL 2330 - World Lit	3
Science Sequence ³	4	Science Sequence ³	4
CSC 2310 - Object-oriented Prog	4	CSC 2400 - Design of Alg	3
CSC 2510 - Intro to Dev and Unix	3	CSC 2220 - Intro to DS and AI	3
Total Hours:	17	Total Hours:	16

Junior			
Fall		Spring	
Math 2010 - Intro to Lin Alg	3	CSC 3040 - Prof, Comm, Research in Computing	3
CSC 3220 - Fund of Data Sci	3	CSC 4320 - Comp Arch	3
CSC 3300 - Database Manage Sys	3	CSC 3710 - Found of Comp Sci	3
CSC 3410 - Comp Org and Assem	3	CSC 4220 - Machine Learning & AI	3
Humanities/Fine Arts Elective ²	3	Humanities/Fine Arts Elective ²	3
Total Hours:	15	Total Hours:	15

Senior			
Fall		Spring	
CSC 4610 – Software Eng I	3	CSC 4200 – Comp Networks	3
CSC 4100 – Operating Sys	3	CSC 4620 – Software Eng II	2
CSC 4240 – Artificial Intelligence	3	CSC 4260 – Advanced Data Science	3
Social/Behavioral Science Elective Credit: 3.2	3	CSC Elective	6
Total Hours:	12	Total Hours:	14

¹Not required for transfer students with more than 12 hours; transfer students take 1 credit hour free elective.

²See TTU General Education Core Requirements.

³Science:

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

