

ASSOCIATE IN SCIENCE

Data Science

Course Selection Guide

Updated Fall 2024

Degrees

- UNC Chapel Hill: [BS in Data Science](#) (UNC also offers a BA)
- UNC Charlotte: [BS in Data Science](#)
- UNC Greensboro: [BS in Computer Science](#), Data Science and Big Data Concentration

For more detailed transfer information, refer to the [Transfer Guides](#),

Jobs Associated with These Degrees

Data scientist, statistician, data analyst, machine learning engineer, business data analyst, risk management analyst, market research analyst, database administrator, social media data analyst, e-commerce data specialist, data journalist, computer systems analyst, application architect.

General Education – 45 SHC (“Semester Hours of Credit”) Universal General Education Transfer Component (UGETC) Courses (34 SHC)

English Composition (6 SHC)

Durham Tech / UGETC Requirement	UNC-CH	UNCC	UNCG
ENG 111 Writing & Inquiry	ENG 111	ENG 111	ENG 111
ENG 112 Writing/Research in the Disciplines	ENG 112	ENG 112	ENG 112

Humanities/Fine Arts (H/FA) (6 SHC)—Select two courses from separate disciplines

Durham Tech / UGETC Requirement	UNC-CH	UNCC	UNCG
One course selected from ART 111, ART 114, ART115, COM 120, COM 231, DRA 111, MUS 110, MUS 112	COM 231	Any	Any
One course selected from ENG 231, ENG 232, ENG 241, ENG 242, PHI 215, PHI 240	Any	Any	Any

Social and Behavioral Sciences (S/BS) (6 SHC)—Select two courses from separate disciplines

Durham Tech / UGETC Requirement	UNC-CH	UNCC	UNCG
One history course selected from HIS 111, HIS 112, HIS 131, HIS 132	Any	Any	Any
One course from ECO 251, ECO 252, POL 120, PSY 150, SOC 210	Any	Any	Any

Mathematics (8 SHC)—Two courses selected from MAT 171, 172, 263, 271, 272

Durham Tech / UGETC Requirement	UNC-CH	UNCC	UNCG
First Course	MAT 171	MAT 171	MAT 171
Second Course	MAT 172	MAT 263	MAT 172

Natural Science (8 SHC)—Two courses taken in a sequence selected from BIO 111 and 112; CHM 151 and 152; PHY 151 and 152 or PHY 251 and PHY 252

Durham Tech / UGETC Requirement	UNC-CH	UNCC	UNCG
First in sequence	Any	Any	Any
Second in sequence	Second in sequence	Second in sequence	Second in sequence

Additional General Education Transfer Hours (11 SHC)

Foreign Language (3 SHC)

Durham Tech Gen Ed Requirement	UNC-CH	UNCC	UNCG
Foreign Language (3 SHC): Choose from American Sign Language, Arabic, French, German, or Spanish.	FL 211	FL 112 required by Durham Tech	FL 112 required by Durham Tech

Additional Mathematics/Science Courses (8 SHC)

Durham Tech Gen Ed Requirement	UNC-CH	UNCC	UNCG
First Course	MAT 271	MAT 152	MAT 271
Second Course	MAT 272	any	MAT 272

Other Required Hours (15 SHC)

College Transfer Success Course (1 SHC)

Durham Tech Requirement	UNC-CH	UNCC	UNCG
ACA 122 (This course should be taken in the student's first semester.)	ACA 122	ACA 122	ACA 122

Foreign Language (4-8 SHC)

Durham Tech Requirement	UNC-CH	UNCC	UNCG
FL 111/181, 112/182– (4-8 SHC)	If needed	If needed	If needed

Additional Major Course(s)

Durham Tech Requirement	UNC-CH	UNCC	UNCG
Additional college level course(s) to complete the 15 SHC requirement.	CSC 134 or CSC 151 CSC 249 MAT 273 MAT 280 PED 110	CSC 151 CSC 251 CSC 249	CSC 151 CSC 251 CSC 249

UNCC also requires MAT 280 in the major, but students would need to take MAT 172, 271, and 272 in order to take that course here at Durham Tech. Students may take the course after transferring.