

ASSOCIATE IN ARTS MIDDLE GRADES EDUCATION with a CONCENTRATION IN MATHEMATICS Course Selection Guide

Updated Summer 2023

Degrees

- NC Central: [BA in Middle Grades Education, Math and Science Concentration](#)
- NC State: [BS in Mathematics Education-Middle Grades Licensure Concentration](#)
- ECU: [BS in Middle Grades Education, Science and Math Academic Concentration](#)
- UNC Greensboro: [BS in Middle Grades Education, Math with 6-9 Teacher Licensure Concentration](#)

Note that there are various concentrations for the majors below, combining math education with a second discipline. Consult the individual program requirements or [Baccalaureate Degree Plans](#) for more information.

General Education – 45 SHC (“Semester Hours of Credit”) Universal General Education Transfer Component (UGETC) Courses (31-32 SHC):

English Composition (6 SHC)

Durham Tech / UGETC Requirement	NCCU	NCSU	ECU	UNCG
ENG 111 Writing & Inquiry	ENG 111	ENG 111	ENG 111	ENG 111
ENG 112 Writing/Research in the Disciplines	ENG 112	ENG 112	ENG 112	ENG 112

Humanities/Fine Arts (H/FA) (9 SHC)—Select three courses from at least two disciplines

Durham Tech / UGETC Requirement	NCCU	NCSU	ECU	UNCG
One course selected from ART 111, ART 114, ART 115, COM 120, COM 231, DRA 111, MUS 110, MUS 112	COM 231	COM 120	ART 111, DRA 111, or MUS 110	Any
One course selected from PHI 215 or PHI 240	Any	Any	Any	Any
One course selected from ENG 231, 232, 241, 242	Any	ENG 231	Any	Any

Social and Behavioral Sciences (S/BS) (9 SHC)—Select three courses from at least two disciplines

Durham Tech / UGETC Requirement	NCCU	NCSU	ECU	UNCG
One history course selected from HIS 111, HIS 112, HIS 131, HIS 132	HIS 112	HIS 131	Any	Any
One course from ECO 251, ECO 252, POL 120, PSY 150, SOC 210	Any	PSY 150	Any	Any
One additional course from above	Any	Any	Any	Any

Mathematics (3-4 SHC)

Durham Tech / UGETC Requirement	NCCU	NCSU	ECU	UNCG
One Math course selected from MAT 143, 152, 171	MAT 171	MAT 171	MAT 171	MAT 171

Natural Science (4 SHC)

Durham Tech / UGETC Requirement	NCCU	NCSU	ECU	UNCG
One Science course selected from AST 151/A, BIO 110, BIO 111, CHM 151, GEL 111, PHY 110/A.	GEL 111	BIO 110	Any	Any

GEL 111 is listed for NCCU as a prerequisite for GEL 230, which is required in the major.

Additional General Education Transfer Hours (13-14 SHC)

Foreign Language (3 SHC)

Durham Tech Gen Ed Requirement	NCCU	NCSU	ECU	UNCG
Foreign Language (3 SHC): Choose from American Sign Language, Arabic, French, German, or Spanish. FL 112 Must be taken with accompanying lab.	FL 112	FL 112 Required by Durham Tech	FL 112 Required by Durham Tech	FL 112 Required by Durham Tech

At NCSU, students who have completed two years of the same foreign language in high school with a C or higher are considered to have met the FL requirement.

2nd Mathematics Course (3-4 SHC)

Durham Tech Gen Ed Requirement	NCCU	NCSU	ECU	UNCG
Choose from MAT 143, MAT 152, MAT 171, MAT 172, or MAT 263.	MAT 172	MAT 172	MAT 263	MAT 172

2nd Natural Science Course (4 SHC)

Durham Tech Gen Ed Requirement	NCCU	NCSU	ECU	UNCG
Choose from AST 151/151A, AST 152/152A, BIO 110, BIO 111, BIO 112, BIO 140/140A, CHM 131/A, CHM 132, CHM 151, CHM 152, GEL 111, GEL 230, PHY 110/110A, PHY 151, PHY 152, PHY 251, PHY 252.	BIO 140/A	CHM 151	CHM 131/A	Any

One Additional Course (3-4 SHC)

Durham Tech Gen Ed Requirement	NCCU	NCSU	ECU	UNCG
One additional course	MAT 271	MAT 271	SOC 225	MAT 271

ECU also accepts MAT 172 and 271

Other Required Hours (15 SHC)

Student should consult with his/her advisor. The listings here vary, based on the requirements of the selected university and the student's intended major.

College Transfer Success Course (1 SHC)

Durham Tech Requirement	NCCU	NCSU	ECU	UNCG
ACA 122 (This course should be taken in the student's first semester.)	ACA 122	ACA 122	ACA 122	ACA 122

Foreign Language (0-8 SHC)

Durham Tech Requirement	NCCU	NCSU	ECU	UNCG
FL 111/181, 112/182 if needed to meet prerequisites.	As Needed	As Needed	As Needed	As Needed

Additional Major Course(s)

Durham Tech Requirement	NCCU	NCSU	ECU	UNCG
Additional college level course(s) to complete the 15 SHC requirement.	GEL 230 HEA 110 PED 110	HUM 110 HUM 115 GEL 111 MAT 152 MAT 272 MAT 273 PHY 110/A SOC 220	EDU 216 HEA 110	EDU 216 MAT 152 MAT 272

UNCG recommends EDU 187, which cannot count towards the Associate in Arts degree.