

Recommendations for CAA students interested in the **BS/BA Mathematics degree at UNCWilmington**

**Part I: Complete the AS degree within the NCCCS as outlined.**

## Universal General Education Transfer Component

English Composition (6 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes
ENG 111	Expository Writing	3		ENG 101	3		
ENG 112	Argument-Based Research	3	ENG 111	ENG 201	3		
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</b>		

Humanities/Fine Arts (6 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes
ART 111	Art Appreciation	3	None	ART 001	3		
ART 114	Art History Survey I	3	None	ARH 201	3		
ART 115	Art History Survey II	3	None	ARH 202	3		
COM 231	Public Speaking	3	None	COM 101	3		
ENG 231	American Literature I	3	None	ENG 223	3		
ENG 232	American Literature II	3	None	ENG 224	3		
MUS 110	Music Appreciation	3	None	MUS 115	3		
MUS 112	Introduction to Jazz	3	None	MUS 116	3		
PHI 215	Philosophical Issues	3	ENG 111	PAR 101	3		
PHI 240	Introduction to Ethics	3	ENG 111	PAR 115	3		
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</b>		

Social /Behavioral Science (6 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes
ECO 251	Principles of Microeconomics	3	None	ECO 221	3		
ECO 252	Principles of Macroeconomics	3	None	ECO 222	3		
HIS 111	World Civilizations I	3	None	HIST 101	3		
HIS 112	World Civilizations II	3	None	HIST 102	3		
HIS 131	American History I	3	None	HIST 105	3		
HIS 132	American History II	3	None	HIST 106	3		
PSY 150	General Psychology	3	None	PSY 105	3		
POL 120	American Government	3	None	PLS 101	3		
SOC 210	Introduction to Sociology	3	None	SOC 105	3		
<b>Total Credit Hours Required</b>		<b>6</b>			<b>6</b>		

Mathematics (8 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes
MAT 171	Precalculus Algebra	4		MAT 111	4		
MAT 172	Precalculus Trigonometry	4		MAT 112	4		
MAT 263	Brief Calculus	4		MAT 151	4		
MAT 271	Calculus I	4		MAT 161	4	x	
<b>Total Credit Hours Required</b>		<b>8</b>			<b>8</b>		

Natural Sciences (8 SCH)							
Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Required by Major	Notes

AST 151/151A	General Astronomy I and Lab	4		PHY 260 + PHY 001	4		will meet GEC requirement, cannot take both AST 111 and AST 151
BIO 110	Principles of Biology	4		BIO 105	4		
BIO 111	General Biology	4		BIO 201	4		
BIO 112	General Biology II	4	BIO 111	BIO 202	4		
CHM 151	General Chemistry I	4		CHM 101	4		
CHM 152	General Chemistry II	4	CHM 151	CHM 102	4		
GEL 111	Introduction Geology	4		GYL 101	4		
PHY 110/110A	Conceptual Physics and Lab	4		PHY 105	4		
PHY 151	College Physics I	4		PHY 101	4		
PHY 152	College Physics II	4	PHY 151	PHY 102	4		
PHY 251	General Physic I	4		PHY 201	4	X	UNCW req. only if BS Opt. 2
PHY 252	General Physics II	4	PHY 251	PHY 202	4	x	UNCW req. only if BS Opt. 2
<b>Total Credit Hours Required</b>		<b>8</b>			<b>8</b>		

**Total UGETC Hours** **34** **34**

### Additional General Education Courses (11 SCH)

Prefix	Course Name	Credit Hours	Pre-requisites	University Course Equivalent	Credit Hours	Category	Notes
MAT 272	Calculus II	4	MAT 271	MAT 162	4	GED	
MAT 273	Calculus II	4	MAT 272	MAT 261	4	GED	
FL 111	ASL or SPA or FRE	3		ASL 111 or SPA 101 or FRE 101 or GER 101 etc.	3	GED	
<b>Total Credit Hours Required</b>		<b>11</b>			<b>11</b>		

**Total General Education Hours Required** **45** **45**

### Other REQUIRED HOURS (16 SHC)

ACA 122	College Transfer Success	1		Elective	1	GEC	required
MAT 152	Statistical Methods I	4		STT 215	4	GED	
FL 112	ASL or SPA or FRE	3		ASL 112 or SPA 102 or FRE 102 or GER 102 etc.	3	GED	
FL 211	ASL or SPA or FRE	3		ASL 112 or SPA 102 or FRE 102 or GER 211 etc.	3	GED	UNCW req. only if HS lang.
PED 110	Fit and Well for Life	2		PED 101	2	Pre-Major/Elective	
	General Electives	3		General Electives	3		

**Other Required Hours (16 SCH)** **16** **16**

**Total Semester Credit Hours in Program: 61**

Part II: Complete one of the UNCW Mathematics Degree Plans

#### 3th -4th Year Plan for BS (Option 1) Mathematics Degree at UNCW

Upon completion of the AS degree outlined above, an AS student will have 61 transferable hours toward a BS (Option 1) Mathematics degree at UNCW

This degree can be completed at UNCW with 63 additional hours in hour semesters as outlined below

Semester	Course	Hours	Notes	
5	MAT 275	3	Major Requirement	
5	MAT 335	3	Major Requirement	
5	STT 315	3	Major Requirement	
5	MAT 361	3	Major Requirement	
5	WI	3	University Studies Writing Intensive	
5	Free Elective	3		18
6	MAT 336	3	Major Requirement	
6	one of MAT 325, 365, or 367	3	Major Requirement	
6	MAT 311	3	Major Requirement	
6	IL	3	University Studies Information Literacy	
6	one non-MAT modeling course	3	University Studies Thematics Transdisciplinary Cluster	15
7	one of MAT 321, 337, 375 or 435	3	Major Requirement	
7	MAT/STT 300-400	3	Major Requirement	
7	MAT/STT 300-400	3	Major Requirement	
7	Explorations beyond the Classroom	3	University Studies EBC	
7	Free Elective	3		15
8	MAT 495	3	Major Requirement	
8	MAT/STT 300-400	3	Major Requirement	
8	MAT 300-400	3	Major Requirement	
8	LGS or LDN	3	University Studies	
8	Free Elective	3		15
				63
				61 transfer hours
				<u>124 hours for graduation</u>

**3th -4th Year Plan for BS (Option 2) Mathematics Degree at UNCW**

Upon completion of the AS degree outlined above, an AS student will have 61 transferable hours toward a BS (Option 2) Mathematics degree at UNCW

This degree can be completed at UNCW with 63 additional hours in hour semesters as outlined below

Semester	Course	Hours	Notes	
5	MAT 275	3	Major Requirement	
5	MAT 335	3	Major Requirement	
5	STT 315	3	Major Requirement	
5	MAT 361	3	Major Requirement	
5	WI	3	University Studies Writing Intensive	
5	Free Elective	3		18
6	MAT 336	3	Major Requirement	
6	MAT 367	3	Major Requirement	
6	MAT 311	3	Major Requirement	
6	IL	3	University Studies Information Literacy	
6	one non-MAT modeling course	3	University Studies Thematics Transdisciplinary Cluster	15
7	MAT 365	3	Major Requirement	
7	MAT 418	3	Major Requirement	
7	MAT/STT 300-400	3	Major Requirement	

7	Explorations beyond the Classroom	3	University Studies EBC	
7	Free Elective	3		15
8	MAT 495	3	Major Requirement	
8	MAT/STT 300-400	3	Major Requirement	
8	MAT/STT 300-400	3	Major Requirement	
8	LGS or LDN	3	University Studies	
8	Free Elective	3		15
				63
				61 transfer hours
				<u>124 hours for graduation</u>

### 3th -4th Year Plan for BS (Option 3) Mathematics Degree at UNCW

Upon completion of the AS degree outlined above, an AS student will have 61 transferable hours toward a BS (Option 3) Mathematics degree at UNCW  
This degree can be completed at UNCW with 63 additional hours in hour semesters as outlined below

Semester	Course	Hours	Notes	
5	MAT 275	3	Major Requirement	
5	MAT 335	3	Major Requirement	
5	STT 315	3	Major Requirement	
5	LGS or LDN	3	University Studies	
5	WI	3	University Studies Writing Intensive	
5	Free Elective	3		18
6	MAT 336	3	Major Requirement	
6	one of STT 305, 411, 412	3	Major Requirement	
6	MAT 311	3	Major Requirement	
6	IL	3	University Studies Information Literacy	
6	one non-MAT modeling course	3	University Studies Thematics Transdisciplinary Cluster	15
7	MAT 435	3	Major Requirement	
7	MAT 465	3	Major Requirement	
7	MAT/STT 300-400	3	Major Requirement	
7	Explorations beyond the Classroom	3	University Studies EBC	
7	Free Elective	3		15
8	MAT 495	3	Major Requirement	
8	MAT/STT 300-400	3	Major Requirement	
8	MAT/STT 300-400	3	Major Requirement	
8	MAT 465	3	Major Requirement	
8	Free Elective	3		15
				63
				61 transfer hours
				<u>124 hours for graduation</u>

### 3th -4th Year Plan for BA (Option 1) Mathematics Degree at UNCW

Upon completion of the AS degree outlined above, an AS student will have 61 transferable hours toward a BA (Option 1) Mathematics degree at UNCW  
 This degree can be completed at UNCW with 63 additional hours in hour semesters as outlined below

Semester	Course	Hours	Notes	
5	MAT 275	3	Major Requirement	
5	MAT 335	3	Major Requirement	
5	STT 315	3	Major Requirement	
5	WI	3	University Studies Writing Intensive	
5	LGS or LDN	3	University Studies	
5	Free Elective	3		18
6	MAT 336	3	Major Requirement	
6	MAT 311	3	Major Requirement	
6	IL	3	University Studies Information Literacy	
6	one non-MAT modeling course	3	University Studies Thematics Transdisciplinary Cluster	
6	Free Elective	3		15
7	MAT/STT 300-400	3	Major Requirement	
7	MAT 300-400	3	Major Requirement	
7	Explorations beyond the Classroom	3	University Studies EBC	
7	Free Elective	3		
7	Free Elective	3		15
8	MAT 495	3	Major Requirement	
8	MAT/ STT 300-400	3	Major Requirement	
8	MAT 300-400	3	Major Requirement	
8	Free Elective	3		
8	Free Elective	3		15
				63
				61 transfer hours
				<u>124</u> hours for graduation