

MATHEMATICS GUIDED PATHWAY

Earn an Associate of Arts from Central Piedmont Community College, and transfer to Winthrop University to earn your Bachelor of Arts in Mathematics. The Mathematics program offers students the opportunity to learn to formalize patterns, present logical conclusions succinctly and apply their quantitative knowledge in a variety of settings. Students can tailor their educational experience to a variety of post-graduation options, including secondary education, graduate education and nonacademic careers. Students have the opportunity to further explore advanced mathematical theory through undergraduate research and internships.

10/24

TERM 1 at Central Piedmont		
Course		√
ENG 111: Writing and Inquiry	3	
ACA 122: College Transfer Success	1	
MAT 171: Precalculus Algebra	4	
COM 231: Public Speaking	3	
ECO 252: Principles of Macroeconomics	3	
Total credits:	14	

TERM 2 at Central Piedmont		
Course		√
ENG 112: Writing and Research in the Disciplines	3	
MAT 172: Precalculus Trigonometry	4	
MAT 143: Quantitative Literacy or MAT 152: Statistical Methods I	3	
HIS 111: World Civilizations, HIS 112: World Civilizations II, HIS 131: American History I, or HIS 132: American History II	3	
Humanities/Fine Arts	3	
Total credits:	16	

TERM 3 at Central Piedmont		
Course		√
MAT 271: Calculus I	4	
MAT 272: Calculus II	4	
Natural Science	4	
MAT 280: Linear Algebra	3	
Humanities/Fine Arts	3	
Total credits:	18	

TERM 4 at Central Piedmont		
Course		√
MAT 273: Calculus III	4	
SOC 210: Introduction to Sociology	3	
MAT 285: Differential Equations	3	
Transfer Elective	2 or 3	
Total credits:	12 or 13	

TERM 5 at Winthrop University		
Course		√
MATH 310: Mathematical Reasoning	3	
MATH 341: Statistical Methods	3	
MAED 200: Introduction to Mathematica	1	
HXCT 301: Human Experience/Critical Reading	3	
Foreign Language	4	
PESH	1	
Total credits:	15	

TERM 6 at Winthrop University		
Course		√
MATH 370: Mathematical Modeling	3	
MATH 351: Intro to Modern Algebra	3	
CSCI 151: Overview of Computer Science	3	
Foreign Language	4	
Minor or Elective	3	
Total credits:	16	

TERM 7 at Winthrop University		
Course		√
CSCI 207: Intro to Computer Science I	4	
Global/Hist Course	3	
Minor or Elective	3	
Minor or Elective	3	
Minor or Elective	3	
Total credits:	16	

TERM 8 at Winthrop University		
Course		√
MAED 400: Assessment Capstone	0	
MATH 400: Senior Seminar	3	
MATH elective	3	
Minor or Elective	3	
Minor or Elective	3	
Minor or Elective	3	
Total credits:	15	