

# UNIVERSITY SCHOLARS PROGRAM MATHEMATICS

## ABOUT THE PROGRAM

USP is a program designed for exceptional and highly motivated students to earn their bachelor's and master's degrees concurrently. An ideal option for strong students with advanced placement in mathematics.



## REQUIREMENTS

- Overall GPA of 3.75. Students with a lower GPA will be considered on a case-by-case basis.
- Complete 91 hours with at least 30 undergraduate hours in residence.
- Submit two letters of recommendation from Mathematics faculty.

## THE PROGRAM

- The master's program requires 30 credit hours with the option of either a 6 hour thesis or a 3 hour project.
- Up to 15 credit hours may count towards both the bachelor's and master's degree. The following courses can be double counted:

Numerical Linear Algebra 410/510, Numerical Analysis 411/511, Linear Optimization 420/520, Non-linear Optimization 421/521, Finance 422/522, Boundary Value Problems 441/541, Integral Transforms and Asymptotics 442/542, Differential Geometry 460/560, General Topology 465/565, Algebraic Topology 466/566, Modern Algebra II 471/571, Complex Variables 485/585, Real Analysis I Math 486/586, Real Analysis II 487/587.

## CONTACT

Kabe Moen, University Scholars Program Advisor, [kabe.moen@ua.edu](mailto:kabe.moen@ua.edu)

## Sample 5-Year Program: B.S. in Mathematics and M.A. in Mathematics

### Year 1

Course	Credits	Course	Credits
Math 125/145	4	Math 126/146	4
EN 101 (FC)	3	EN 102 (FC)	3
Natural Science	4	Natural Science	4
HU/L/FA	3	HU/L/FA	3
HI/SB	3	HI/SB	3
		<b>TOTAL</b>	<b>34</b>

### Year 2

Course	Credits	Course	Credits
Math 227/247	4	Math 237	3
HU/L/FA	3	HU/L/FA	3
HI/SB	3	HI/SB	3
Minor	3	Minor	3
Minor	3	Minor	3
		<b>TOTAL</b>	<b>65</b>

### Year 3

Course	Credits	Course	Credits
Math 238	3	Math 301 (W)	3
CS 100	4	CS 101 (C)	4
ST 260 (C)	3	Minor	3
Minor	3	Minor	3
Elective	3	Elective	3
		<b>TOTAL</b>	<b>97</b>

### Year 4

Course	Credits	Course	Credits
<b>Math 511</b>	<b>3</b>	<b>Math 510</b>	<b>3</b>
<b>Math 541</b>	<b>3</b>	<b>Math 542</b>	<b>3</b>
Writing Designated	3	<b>Math 512</b>	<b>3</b>
Elective	3	Elective	3
		<b>TOTAL</b>	<b>121</b>

**B.S. Complete**

### Year 5

Course	Credits	Course	Credits
<b>Math 520</b>	<b>3</b>	<b>Math 521</b>	<b>3</b>
<b>Math 580</b>	<b>3</b>	<b>Math 585</b>	<b>3</b>
		<b>Math 598</b>	<b>3</b>
		<b>TOTAL</b>	<b>30</b>

**M.A. Complete**



Scan QR code for more about  
The College of Arts and Sciences

THE UNIVERSITY OF  
**ALABAMA** | College of  
Arts & Sciences  
Department of Mathematics



Scan QR code for more about  
The Department of Mathematics