

UNOFFICIAL SEMESTER BY SEMESTER GUIDE  
Please use this in conjunction with the [official checklist](#) and DARS.  
You do not have to follow this plan exactly. This is a sample plan.

**College of Natural Resources and Environment**  
**Department of Forest Resources and Environmental Conservation**  
**Water: Resources, Policy, and Management Major**  
*This guide is for students with a 2022-2023 academic year date of entry.*

Fall Semester		Spring Semester	
<b>First Year</b>			
Pathways Concept 1F Course <sup>1</sup>	3	Pathways Concept 1F Course <sup>1</sup>	3
WATR 2004 Water, Environment, and Society (Fall)	3	BIOL 1106 Principles of Biology (Pathways 4) (Spring)	3
Pathways Concept 2 Course	3	BIOL 1116 Principles of Biology Lab (Spring)	1
MATH 1025 Elem. Calculus (Pathways 5F) <sup>2</sup>	3	MATH 1026 Elem. Calculus (Pathways 5F) <sup>2</sup>	3
AAEC 1005 Econ. of Food & Fiber (Pathways 3) <sup>3</sup>	3	AAEC 1006 Econ. of Food & Fiber (Pathways 3) <sup>3</sup>	3
		Pathways Concept 2 Course	3
	<b>15</b>		<b>16</b>
<b>Sophomore Year</b>			
CHEM 1035 General Chemistry (Pathways 4)	3	PHYS 2205 General Physics	3
CHEM 1045 General Chemistry Lab	1	PHYS 2215 General Physics Lab	1
Pathways Concept 6A Course	3	Water Restricted Elective Course <sup>4</sup>	3
Water Restricted Elective Course <sup>4</sup>	3	Water Restricted Elective Course <sup>4</sup>	3
Water Restricted Elective Course <sup>4</sup>	3	Water Policy Specialization Course <sup>5</sup>	3
Free Elective ( <i>Suggested: CHEM 1034 Chemistry Recitation</i> )	1	Geospatial Technology and Informatics Course <sup>6</sup>	3
	<b>14</b>		<b>16</b>
<b>Junior Year</b>			
ENSC 3604 Fundamentals of Environmental Science (Fall)	3	WATR 3104 Principles of Watershed Hydrology (Spring)	3
Water Law and Planning Course <sup>7</sup>	3	WATR 4464 Water Resources Policy & Economics (Spring)	3
Water Science Course <sup>8</sup>	3	Water Science Course <sup>8</sup>	3
Water Policy Course <sup>5</sup>	3	Water Policy Course <sup>5</sup>	3
ENGL 3534 or ENGL 3764 (Pathways Concept 1A)	3	Water Restricted Elective Course <sup>4</sup>	3
	<b>15</b>		<b>15</b>
<b>Senior Year</b>			
WATR 3754 Watersheds and Water Quality Monitoring (Fall)	3	WATR 4614 Watershed Assessment, Mgt, & Policy (Spring)	2
Water Science Course <sup>8</sup>	3	Water Science Course <sup>8</sup>	3
Water Policy Course <sup>5</sup>	3	Pathways Concept 6D Course	3
Pathways Concept 7 Course	3	Free Elective	3
Pathways Concept 5A Course	3	Free Elective	3
	<b>15</b>		<b>14</b>
<i>Total credits required for graduation = 120</i>			

Notes: Course availability is noted based on recent course offerings but is subject to change. See the timetable for current course availability. Some classes have prerequisites. Consult with your advisor about course sequencing.

<sup>1</sup> Students should choose COMM 1015/1016 Communication Skills or ENGL 1105/1106 First-Year Writing.

<sup>2</sup> Students choose MATH 1025 or 1225 and MATH 1026 or 1226

<sup>3</sup> Students choose AAEC 1005 or ECON 2005 and AAEC 1006 or ECON 2006

<sup>4</sup> Students complete 15 credits of Water Restricted Elective courses.

<sup>5</sup> Students complete 12 credits of Water Policy courses; 9 credits from a single specialization.

<sup>6</sup> Students choose course from approved list: BSE 4344, FREC 4114, FREC 4214, FREC/WATR 4244, GEOG 2084, GEOG/GEOS 4354.

<sup>7</sup> Students choose course from approved list: AAEC 3314, UAP 3354, UAP 4344, UAP 4374.

<sup>8</sup> Students complete 12 credits of Water Science courses; 9 credits from a single specialization.

## Pathways Requirements (45 Credits)

### Pathways Concept 1: Discourse – 9 credits required

#### 6 Credit Hours of Approved Foundational

- Choose Concept 1f Course (3 credits)
- Choose Concept 1f Course (3 credits)

#### 3 Credit Hours of Advanced/Applied

- Choose ENGL 3534 Literature and the Environment (3 credits) or ENGL 3764 Technical Writing (3 credits)

### Pathways Concept 2: Critical Thinking in the Humanities – 6 credits required

- Choose Concept 2 Course (3 credits)
- Choose Concept 2 Course (3 credits)

*Suggested: FREC 2554 Leading Global Sustainability or HIST 3144 American Environmental History*

### Pathways Concept 3: Reasoning in the Social Sciences – 6 credits required

- AAEC 1005 Economics of Food & Fiber Systems **or** ECON 2005 Principles of Economics (3 credits)
- AAEC 1006 Economics of Food & Fiber Systems **or** ECON 2006 Principles of Economics (3 credits)

### Pathways Concept 4: Reasoning in the Natural Sciences – 6 credits required

- BIOL 1106 Principles of Biology (3 credits)
- CHEM 1035 General Chemistry (3 credits)

### Pathways Concept 5: Quantitative and Computational Thinking – 9 credits required

#### 6 Credit Hours of Approved Foundational

- MATH 1025 Elementary Calculus (3 credits) **or** MATH 1225 Calculus of a Single Variable (4 credits)
- MATH 1026 Elementary Calculus (3 credits) **or** MATH 1226 Calculus of a Single Variable (4 credits)

#### 3 Credit Hours of Approved Advanced/Applied

- Pathways 5A (3 credits) *Suggested: FREC 4354 Forest Soil and Watershed Management*

### Pathways Concept 6: Critique and Practice in Design and the Arts – 6 credits required

#### 6 Credit Hours from Approved Pathways Courses: 3 Design and 3 Art Credits

- Choose DESIGN Course (3 credits)
- Choose ARTS Course (3 credits)

### Pathways Concept 7: Critical Analysis of Identity and Equity in the United States – 3 credits required

- Choose Concept 7 Course (3 credits)<sup>9</sup>

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<sup>9</sup> A course taken to satisfy another area of Pathways that is also listed within Concept 7 will satisfy the Concept 7 requirement simultaneously.