## UNOFFICIAL SEMESTER BY SEMESTER GUIDE

Please use this in conjunction with the <u>official checksheet</u> 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 2023-2024 academic year date of entry.

Fall Semester		Spring Semester		
	First	Year		
Pathways Concept 1F Course <sup>1</sup>	3	Pathways Concept 1F Course <sup>1</sup>		
MATH 1025 Elem. Calculus (Pathways 5F) <sup>2</sup>	3	BIOL 1106 Principles of Biology (Pathways 4)	(	
WATR 2004 Water, Environment, and Society	3	BIOL 1116 Principles of Biology Lab	,	
Pathways Concept 2 Course	3	MATH 1026 Elem. Calculus (Pathways 5F) <sup>2</sup>	;	
Pathways Concept 3 Course	3	AAEC 1005 Econ. of Food & Fiber (Pathways 3) <sup>3</sup>	;	
		Pathways Concept 2 Course	;	
	15	·	1	
S	ophom	ore Year	•	
CHEM 1035 General Chemistry (Pathways 4)	3	PHYS 2205 General Physics		
CHEM 1045 General Chemistry Lab	1	PHYS 2215 General Physics Lab		
Pathways Concept 6A Course	3	Water Restricted Elective Course <sup>4</sup>		
Water Restricted Elective Course <sup>4</sup>	3	Water Restricted Elective Course⁴		
Water Restricted Elective Course <sup>4</sup>	3	Water Policy Specialization Course⁵		
Free Elective (Suggested: CHEM 1034 Chemistry Recitation)	1 <sup>6</sup>	Geospatial Technology and Informatics Course <sup>7</sup>		
	14		′	
	Junio	r Year		
ENSC 3604 Fundamentals of Environmental Science	3	WATR 3104 Principles of Watershed Hydrology		
Water Law and Planning Course8	3	WATR 4464 Water Resources Policy & Economics		
Water Science Specialization Course <sup>9</sup>	3	Water Science Specialization Course <sup>8</sup>		
Water Policy Specialization Course <sup>5</sup>	3	Water Policy Course <sup>5</sup>		
ENGL 3534 or ENGL 3764 (Pathways Concept 1A)	3	Water Restricted Elective Course <sup>4</sup>		
	15			
	Senio	r Year		
WATR 3754 Watersheds and Water Quality Monitoring	3	WATR 4614 Watershed Assessment, Mgt, & Policy		
Water Science Course <sup>8</sup>	3	Water Science Specialization Course <sup>8</sup>		
Water Policy Specialization Course <sup>5</sup>	3	Pathways Concept 6D Course		
Pathways Concept 7 Course	3	Free Elective		
Pathways Concept 5A Course	3	Free Elective		
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Notes: See the Timetable of Classes in HokieSPA and <u>CNRE course offerings guide</u> for course availability. Some classes have prerequisites. Consult with your advisor about course sequencing.

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

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

<sup>&</sup>lt;sup>3</sup> Students choose AAEC 1005 or ECON 2005

<sup>&</sup>lt;sup>4</sup> Students complete 15 credits of Water Restricted Elective courses. See checksheet for course options.

<sup>&</sup>lt;sup>5</sup> Students complete 12 credits of Water Policy courses; 9 credits from a single specialization. See checksheet for course options

<sup>&</sup>lt;sup>6</sup> The Chemistry Recitation 1 credit does not apply towards the 120 credit minimum required for graduation

<sup>&</sup>lt;sup>7</sup> Students choose course from approved list: FREC 4114, FREC 4214, FREC/WATR 4244, GEOG 2084, GEOG/GEOS 4354.

<sup>&</sup>lt;sup>8</sup> Students choose course from approved list: AAEC 3314, UAP 3354, UAP 4344, UAP 4374.

<sup>&</sup>lt;sup>9</sup> Students complete 12 credits of Water Science courses; 9 credits from a single specialization. See checksheet for course options.

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## Pathways Requirements (45 Credits)

•	Concept 1: Discourse – 9 credits required Credit Hours of Approved Foundational
	Choose Concept 1f Course <sup>10</sup> (3 credits)
	Choose Concept 1f Course (3 credits)
<u>3 (</u>	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)
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)
	Choose Concept 3 Course (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)
	Concept 5: Quantitative and Computational Thinking – 9 credits required 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
	Concept 6: Critique and Practice in Design and the Arts – 6 credits required 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>11</sup>

<sup>&</sup>lt;sup>10</sup> Students should select either COMM 1015/1016 Communication Skills or ENGL 1105/1106 First-Year Writing to have the necessary prerequisites for their Pathways 1a requirement..

11 A course taken to satisfy another area of Pathways that is also listed within Concept 7 will satisfy the Concept 7 requirement

simultaneously.