

Natural Resources DTA Sub-Plan (90 Credits) | PATHWAY GUIDE

The Natural Resources DTA is a curated pathway inside the existing Associates of Arts and Sciences DTA (AAS-DTA) structure. **Students completing this pathway have flexibility in their course selections as they only need to meet the AAS-DTA requirements.** The courses designated below were carefully selected to best prepare students to be major- and employment-ready in the field of Natural Resources. The Natural Resources DTA Advisor is available to assist students in selecting alternative choices.

WRITING and QUANTITATIVE SKILLS | 15 Credits

WRITING (10 credits)	QUANTITATIVE/SYMBOLIC (5 credits)
ENGL& 101: Composition	MATH& 146: Intro to Statistics (recommended)
ENGL& 235: Technical Writing (recommended)	-or- MATH& 107: Math in Society
-or- ENGL 202 (Analysis) or ENGL 203 (Research)	-or- other quant./sym. course from AAS-DTA requirements

HUMANITIES & SOCIAL SCIENCES | 30 Credits

HUMANITIES (15 credits)	Students may select any courses here that meet the humanities requirements for an AAS-DTA. The courses listed here provides the best match to the knowledge, skills, & abilities a natural resource professional needs as well as those classes that will best prepare a student for transfer to a natural resource related major at a four-year institution.
CMST& 210: Interpersonal Communication	
PHIL& 115: Critical Thinking (recommended)	
-or- other humanities from AAS-DTA requirements	
AIS 203: Introduction to AIS Literature [D]	
-or- other humanities from AAS-DTA requirements	

SOCIAL SCIENCES (15 credits)	Students may select any courses here that meet the social science requirements for an AAS-DTA. The courses listed here provide the best match to the knowledge, skills, & abilities a natural resource professional needs as well as those classes that will best prepare a student for transfer to a natural resource related major at a four-year institution.
GEOG 215: Introduction to GIS	
-or- other Soc. Sci from AAS-DTA requirements	
ECON 202: Macro Economics	
-or- other Soc. Sci from AAS-DTA requirements	
AIS 103: The Indigenous Pacific Northwest [D]	
-or- ANTH 220: Cross-Cultural Studies	
-or- SOC& 101: Introduction to Sociology	
-or- other Soc. Sci from AAS-DTA requirements	

NATURAL RESOURCES, NATURAL SCIENCES, & ELECTIVES | 45 Credits

NATURAL RESOURCES, NATURAL SCIENCES, & ELECTIVES (45 Credits)	Natural Resources is a science-based field of study. Accordingly, the course selections here <u>exceed</u> the natural sciences requirement for the AAS-DTA.	
BIOL& 211: Majors Cellular**	The courses listed here provide the best match to the knowledge, skills, & abilities a natural resource professional needs as well as those classes that will best prepare a student for transfer to a natural resource related major at a four-year institution.	
BIOL& 212: Majors Plants**		
BIOL& 213: Majors Animals**		
ENVS 170: Intro to Stream Ecology**		
-or- BIOL& 221: Majors Ecology/Evolution*		
BIOL 103: Salmon, Ecosystems, and Society [D]		
ENVS 230: Intro to Fisheries Sci and Mgmt.		
-or- NATR 160: Forest Health and Ecology (RE)		
CHEM& 121: Introduction to Chemistry (recommended)		The DTA requires 15 credits of natural science. These must be from three different areas and at least one must have a lab. Courses designated with the * are natural sciences, ** are natural sciences with a lab.
-or- CHEM& 110: Chemical Concepts		
NATR 235: Society and Natural Resources (RE)		By AAS-DTA requirements, no more than 15 credits of courses designated as restricted electives (RE) will count toward the degree.
BIOL 125: Environmental Science** (recommended)		
-or- BCT 284: Project Management (RE)		
-or- BCT 130: Spreadsheets (RE)		
-or- other BIOL, ENVS, NATR or MATH course		
-or- other course related to career/major goal		

Course Selections

The AAS-DTA pathway is very flexible* and you may want to make some alternative selections. Here are some things to consider as you apply this map to your own goals.

Natural resource professionals use scientific knowledge in their work and need a broad understanding of many concepts such as ecology, biology, basic chemistry, and more. Many natural resource professionals eventually develop an area of specialization (fisheries, wildlife, habitat, etc.), but it is usually not necessary to define that while you are in college. Instead, focus on gaining broad skills and experience (summer internships or seasonal jobs can be a great way to gain experience) and developing a sense of your own interests.

The biology series (BIOL& 211, 212, 213) is strongly recommended for all students.

This will transfer directly to four-year institutions and fulfill the year of major-level biology that is required for most natural resource related majors. It is also a common requirement for entry-level employment at state and federal agencies. **You should take BIOL&211 in your first year if possible. It is generally offered every quarter.**

If you know where you want to transfer, review the specific requirements and factor those requirements into your course selections at WVC. The program advisor can help you with this. You should also consider your own interests; college helps prepare you for work, but it is also an opportunity to grow in personally meaningful ways as well.

Experience Matters

Experience is critical for natural resource professionals. You can gain a lot of transferable (soft skills) through any job, but you will want to get some applied experience as well. Many students work as technicians during the summer. If you are not able to secure applied employment, consider volunteering with a professional – even if it is just for a few days. The program advisor(s) have network connections you can use and often share student-focused opportunities for internships and employment.

We are Here to Help!

WVC has a variety of resources to support you while you are a student. These include financial aid and scholarships, academic supports (Math Center), support programs (TRiO SSS, MESA), and more. You can find more information on the WVC website, the Natural Resources Advising Canvas group, or by talking with a program advisor.

*The AAS-T Forestry-Focused pathway is not flexible. Students completing that degree must take the classes as listed.

Natural Resources DTA Sub-Plan (90 Credits) | BASIS OF COURSE RECOMMENDATION

	Course Recommendation	Degree Requirement(s)	Rational for Recommendation
Writing	ENGL& 101: Composition	Writing	Required for all DTA degrees
	ENGL& 235: Technical Writing (recommended)		
	-or- ENGL 202 (Analysis) or ENGL 203 (Research)		
Quantitative	MATH& 146: Intro to Statistics	Quantitative	High-value KSA, Major-ready for transfer
	-or- MATH& 107: Math in Society		KSA
	-or- other quant./sym. from AAS-DTA requirements		
Humanities	CMST& 210: Interpersonal Communication	Humanities	High-value KSA, Major-ready for transfer
	PHIL& 115: Critical Thinking (recommended)	Humanities - Philosophy	KSA - Soft Skills
	-or- other humanities from AAS-DTA requirements	Humanities - Area varies by course	
	AIIS 203: Introduction to AIIS Literature [D]	Humanities - AIIS	KSA
	-or- other humanities from AAS-DTA requirements	Humanities - Area varies by course	
Social Science	GEOG 215: Introduction to GIS	Social Science - Geography	High-value KSA
	ECON& 202: Macro Economics (recommended)	Social Science - Economics	KSA, Major-ready for transfer
	-or- other Soc. Sci. from AAS-DTA requirements	Social Science - Area varies by course	
	AIIS 103: The Indigenous Pacific Northwest [D]	Social Science - AIIS; Diversity	KSA
	-or- ANTH 220: Cross-Cultural Studies	Social Science – Anthropology	KSA
	-or- SOC& 101: Introduction to Sociology	Social Science - Sociology	KSA
Natural Science & Electives	BIOL& 211: Majors Cellular	Natural Science - General - Lab	KSA, Major-ready for transfer
	BIOL& 212: Majors Plants	Natural Science - Botany - Lab	High-value KSA, Major-ready for transfer
	BIOL& 213: Majors Animals	Natural Science - Zoology - Lab	High-value KSA, Major-ready for transfer
	BIOL 170: Introduction to Stream Ecology	Natural Science - Environment	High-value KSA
	BIOL 103: Salmon, Ecosystems, and Society [D]	Natural Science - Environment; Diversity	High-value KSA, Diversity requirement
	ENVS 230: Intro to Fisheries Sci and Mgmt.	Elective	High-value KSA
	-or- NATR 160: Forest Health and Ecology (RE)	Restricted Elective	High-value KSA
	CHEM& 121: Introduction to Chemistry (recommended)	Natural Science - Chemistry - Lab	High-value KSA, Major-ready for transfer
	-or- CHEM& 110: Chemical Concepts		KSA
	NATR 235: Society and Natural Resources (RE)	Restricted Elective	High-value KSA
	BIOL 125: Environmental Science** (recommended)	Natural Science - Environment - Lab	High-value KSA
	-or- BCT 284: Project Management (RE)	Restricted Elective	KSA depending on course selection
	-or- BCT 130: Spreadsheets (RE)		
	-or- other BIOL, ENVS, NATR or MATH course		
-or- other course related to career/major goal	Varies by course selection		

KSA: Knowledge, Skill, and/or Ability as identified in data-based needs assessment for Natural Resources profession

The Natural Resources DTA is a curated pathway inside the broad Associate of Arts & Sciences Direct Transfer Agreement (DTA) structure. Students completing this pathway have flexibility in their course selection, as they only need to meet the general DTA requirements. The courses designated here make up a curated pathway of carefully selected courses to best prepare students to be major- and employment-ready in the field of Natural Resources, and related fields. Substitutions to the recommendations should be discussed with the NATR-DTA advisor who will help you make a plan appropriate for your personal goals.