



January 12, 2016

Dr. Steve Neal
Assistant Dean for Academic Affairs
100E Agricultural Administration Building
2120 Fyffe Rd
Columbus, OH 43210

Dear Dr. Neal,

Enclosed please find the proposed curriculum plan for the Associate of Science in Environment and Natural Resources (ENVNATR-AS), with Environmental Science (EVS) and Natural Resource Management (NTR) specializations, submitted for consideration by the FAES Academic Affairs Committee. These two specializations were added to more clearly define pathways to baccalaureate degree programs in the School of Environment and Natural Resources (see below). The modifications of the current curriculum plan respond to the Ohio Department of Higher Education (ODHE) revised requirements for this degree program as indicated in the revised ODHE Guidelines and Procedures for Academic Program Review document, and are in alignment with the approved curriculum plan template for the Ohio State ATI Associate of Science degree program. The changes address the reduction in credit hours and alignment with the general education curriculum for this degree program. In addition, the proposed curriculum plan provides students with a course of study that will prepare them to transition smoothly to the corresponding four-year degree program(s) on the Columbus campus of The Ohio State University.

In conjunction with Baccalaureate programs in the School of Environment and Natural Resources in Columbus, this program is being changed to take advantage of specific strengths found at the Ohio State ATI and Columbus campuses:

Environmental Science (EVS) specialization:

- Pathway to Environmental Science BS and Forestry, Fisheries & Wildlife BS
- MATH 1148 College Algebra removed (-4 cr) and MATH 1151 Calculus I added (+5 cr)
- ENR 4000 was removed (-3 cr)
- CHEM 1220 was moved to a suggested elective (-5 cr)
- Electives were changed from 3 credits to 4/5 credits (+1/2 cr)
- Total credit hours changed from 66 to 60/61
- Concurrence for the program has been received from the School of Environment and Natural Resources

Natural Resource Management (NTR) specialization:

- Pathway to Environment, Economy, Development & Sustainability BS, Environmental Policy & Decision Making BS, and Natural Resource Management BS
- ENR 4000 was removed (-3 cr)
- BIOLOGY 1114 BioSci: Form, Function, Diversity and Ecology was removed (-4 cr)
- ENR 2100 Introduction to Environmental Sciences was moved from the transferable course category (-3 cr) to the GEN ED additional course category (+3 cr)
- CHEM 1210 General Chemistry 1 was removed (-5 cr) and CHEM 1110 Elementary Chemistry was added (+5 cr)
- CHEM 1220 General Chemistry 2 was removed (-5 cr)

- CRPSOIL 2300T Intro to Soil Science (-3 cr) and CRPSOIL 2301T Intro to Soil Science Lab (-1 cr) were moved to the list of elective options
- Electives were changed from 3 to 13/14 (+10/11 cr)
- Total credit hours changed from 66 to 60/61
- Concurrence for the program has been received from the School of Environment and Natural Resources

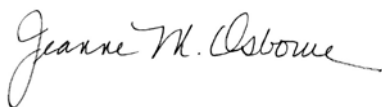
The proposed curriculum plan was developed by the Program Coordinator for the major. The courses that are included in the current and proposed curriculum plan were selected in consultation with other faculty involved in the program as well as stakeholder advisory committees and/or individuals. The proposed curriculum plan and course sequence were approved by the Arts, Science and Business Technologies Division at Ohio State ATI and the Ohio State ATI Academic Affairs committee. Ohio State ATI is committed to protecting the academic progress of students. In order that this proposed program change will not disrupt progress toward their degree, course substitutions and manual management of the degree audits will occur as needed for students enrolled in this degree program during the transition. When appropriate, coursework completed by students under the current degree program will be utilized for completion of the proposed degree program.

Enclosed please find the following documents:

- Current curriculum plan and course sequence for the Environment and Natural Resources degree program
- Proposed curriculum plans and course sequences for the Environment and Natural Resources degree program, EVS and NTR specializations
- Concurrence for curriculum plans/course sequences

Please let me know if there are questions or additional information or documentation is required to accompany this submission. We look forward to hearing from the FAES Academic Affairs Committee regarding next steps in the approval process.

Sincerely,



Jeanne M. Osborne
Assistant Director, Academic Affairs

**ASSOCIATE OF SCIENCE DEGREE
ENVIRONMENT AND NATURAL RESOURCES CURRICULUM PLAN**

Ohio State ATI – AS Degree		Major:	Environment and Natural Resources	
Subject	Sem Crs	Course Dept. & Number	Course Title	Crs
English Composition and Literature	6 cr	ENGLISH 1110.01 ENR 2367	First-Year English Composition Communicating Environmental and Natural Resources Information	3 3
Humanities	9 cr	COMPSTD 2301 HISTORY 1152 MUSIC 2250	Introduction to World Literature American Civilization since 1877 Music Cultures of the World	3 3 3
Social and Behavioral Sciences	6 cr	RURLSOC 1500 AEDECN 2001	Introduction to Rural Sociology Principles of Food & Resource Economics	3 3
Natural Science (physical and biological) and/or Mathematics	10-13 cr	BIOLOGY 1113 BIOLOGY 1114 MATH 1148	Bio Sci: Energy Transfer and Development Bio Sci: Form, Function, Diversity and Ecology College Algebra	4 4 4
Open Option or Cultures and Ideas	3 cr	CHEM 1210	General Chemistry 1	5
College/Career Orientation	1 cr	GENSTDS 1201T ENVSCT 1201T	College Orientation Exploring Environmental Sciences	0.5 0.5
Minimum General Total	36 cr			39
Minimum of 24 cr. of transferable courses applicable to OSU bachelor's degree. Developed in consultation with affiliated department/unit where appropriate.	24 cr	CHEM 1220 COMLDR 3537 CRPSOIL 2300T CRPSOIL 2301T ENGTECH 2050T ENR 2100 ENR 2300 ENR 4000 ELECTIVE	General Chemistry 2 Data Analysis in the Applied Sciences Introduction to Soil Science Introduction to Soil Science Lab Introduction to Geographic Information Systems Introduction to Environmental Science Society and Natural Resources Environmental and Natural Resources Policy	5 3 3 1 3 3 3 3 3
Other Course Total	24 min cr			27
Degree Totals	60 cr min– 70 cr max			66

ENVNATR-AS
Catalog Year
2014-2015

**Environment and Natural Resources
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ENGLISH 1110.01	First-Year English Composition	3
ENR 2100	Introduction to Environmental Science	3
ENVSCT 1201T	Exploring Environmental Sciences	.5
GENSTDS 1201T	College Orientation	.5
MATH 1148	College Algebra	4
MUSIC 2250	Music Cultures of the World	<u>3</u>
		14
<u>1st Year – Spring Semester</u>		
CHEM 1210	General Chemistry 1	5
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
ENR 2300	Society and Natural Resources	3
ENR 2367	Communicating Environmental and Natural Resources Information	3
HISTORY 1152	American Civilization since 1877	<u>3</u>
		18
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMLDR 3537	Data Analysis in the Applied Sciences	3
COMPSTD 2301	Introduction to World Literature	3
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		16
<u>2nd Year – Spring Semester</u>		
BIOLOGY 1114	Bio Sci: Form, Function, Diversity and Ecology	4
CHEM 1220	General Chemistry 2	5
ENGTECH 2050T	Introduction to Geographic Information Systems	3
ENR 4000	Environmental and Natural Resources Policy	3
ELECTIVE	From selected list	<u>3</u>
		18
	Total Credits	66

ENVNATR-AS
Catalog Year
2014-2015

**Environment and Natural Resources
Associate of Science**

Electives – Minimum of 3 credits required

BIOTECH 2218T	General and Applied Entomology	3
BIOTECH 2219T	Pesticides and Their Use	3
CHEM 2510	Organic Chemistry I	4
MATH 1151	Calculus I	5
MICRBIO 4000	Basic and Practical Microbiology	4
PHYSICS 1200	Mechanics, Kinematics, Fluids, Waves	5
PSYCH 1100	Introduction to Psychology	3
RNEWNRG 2010T	Introduction to Renewable energy	3

**ASSOCIATE OF SCIENCE DEGREE
ENVIRONMENT AND NATURAL RESOURCES CURRICULUM PLAN
Environmental Science Specialization**

Ohio State ATI		Major: Environmental Science Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	ENR 2367	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1151	5
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	Choose 3 of the following courses: HISTORY 1152 COMPSTD 2301* MUSIC 2250* RELSTDS 2370*	3 3 3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113 CHEM 1210	4 5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		BIOLOGY 1114	4
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ENVSCT 1201T	0.5 0.5
Total General Education	37-40	Total General Education	40
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		COMLDR 3537	3
		CRPSOIL 2300T	3
		CRPSOIL 2301T	1
		ENGTECH 2050T	3
		ENR 2100	3
	ENR 2300	3	
		ELECTIVES – From approved list	4/5
		Transferable and Major courses	20-21
DEGREE TOTAL	60-65	DEGREE TOTAL	60-61

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ENVNATR-AS EVS
Catalog Year
2016-2017**

**Environment and Natural Resources
Environmental Science Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
CHEM 1210	General Chemistry I	5
ENGLISH 1110.01	First-Year English Composition	3
ENR 2100	Introduction to Environmental Science	3
ENVSCT 1201T	Exploring Environmental Sciences	0.5
GENSTDS 1201T	College Orientation	0.5
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		15
<u>1st Year – Spring Semester</u>		
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
ENR 2367	Communicating Environmental and Natural Resources Information	3
MATH 1151	Calculus I	5
*ELECTIVE	CHEM 1220 (suggested) or PHYSICS 1200** (other options: ENGTECH 2040T or MICRBIO 4000)	<u>4/5</u>
		16-17
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMLDR 3537	Data Analysis in the Applied Sciences	3
ENR 2300	Society and Natural Resources	3
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>3</u>
		16
<u>2nd Year – Spring Semester</u>		
BIOLOGY 1114	Bio Sci: Form, Function, Diversity and Ecology	4
ENGTECH 2050T	Introduction to Geographic Information Systems	3
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>6</u>
		13
	Total Credits	<u>60-61</u>

*** Elective options for the following majors:**

Environmental Science (ES) BS Major

Forest Fisheries and Wildlife (FFW) BS Major

****CHEM 1220 and PHYSICS 1200 fulfill requirements in ES and FFW BS degree programs; CHEM 1220 is suggested so that students complete the Chemistry sequence prior to transitioning to the BS Major.**

**ASSOCIATE OF SCIENCE DEGREE
ENVIRONMENT AND NATURAL RESOURCES CURRICULUM PLAN
Environmental Science Specialization**

Ohio State ATI		Major: Environmental Science Specialization	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	ENR 2367	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1151	5
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	Choose 3 of the following courses: HISTORY 1152 COMPSTD 2301* MUSIC 2250* RELSTDS 2370*	3 3 3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113 CHEM 1210	4 5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		BIOLOGY 1114	4
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ENVSCT 1201T	0.5 0.5
Total General Education	37-40	Total General Education	40
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		COMLDR 3537 CRPSOIL 2300T CRPSOIL 2301T ENGTECH 2050T ENR 2100 ENR 2300 ELECTIVES – From approved list	3 3 1 3 3 3 4/5
		Transferable and Major courses	20-21
DEGREE TOTAL	60-65	DEGREE TOTAL	60-61

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

ENVNATR-AS EVS
Catalog Year
2016-2017

**Environment and Natural Resources
Environmental Science Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
CHEM 1210	General Chemistry I	5
ENGLISH 1110.01	First-Year English Composition	3
ENR 2100	Introduction to Environmental Science	3
ENVSCT 1201T	Exploring Environmental Sciences	0.5
GENSTDS 1201T	College Orientation	0.5
RURLSOC 1500	Introduction to Rural Sociology	<u>3</u>
		15
<u>1st Year – Spring Semester</u>		
CRPSOIL 2300T	Introduction to Soil Science	3
CRPSOIL 2301T	Introduction to Soil Science Laboratory	1
ENR 2367	Communicating Environmental and Natural Resources Information	3
MATH 1151	Calculus I	5
*ELECTIVE	CHEM 1220 (suggested) or PHYSICS 1200** (other options: ENGTECH 2040T or MICRBIO 4000)	<u>4/5</u>
		16-17
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMLDR 3537	Data Analysis in the Applied Sciences	3
ENR 2300	Society and Natural Resources	3
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>3</u>
		16
<u>2nd Year – Spring Semester</u>		
BIOLOGY 1114	Bio Sci: Form, Function, Diversity and Ecology	4
ENGTECH 2050T	Introduction to Geographic Information Systems	3
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>6</u>
		13
	Total Credits	60-61

* **Elective options for the following majors:**

Environmental Science (ES) BS Major

Forest Fisheries and Wildlife (FFW) BS Major

****CHEM 1220 and PHYSICS 1200 fulfill requirements in ES and FFW BS degree programs; CHEM 1220 is suggested so that students complete the Chemistry sequence prior to transitioning to the BS Major.**

**ASSOCIATE OF SCIENCE DEGREE
ENVIRONMENT AND NATURAL RESOURCES CURRICULUM PLAN
Natural Resource Management Specialization**

Ohio State ATI		Major: Natural Resource Management	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	ENR 2367	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	Choose 3 of the following courses: HISTORY 1152 COMPSTD 2301* MUSIC 2250* RELSTDS 2370*	3 3 3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113 CHEM 1110	4 5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ENR 2100	3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ENVSTC 1201T	0.5 0.5
Total General Education	37-40	Total General Education	38
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		COMLDR 3537 ENGTech 2050T ENR 2300 ELECTIVES	3 3 3 13/14
		Transferable and Major courses	22-23
DEGREE TOTAL	60-65	DEGREE TOTAL	60-61

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ENVNATR-AS NTR
Catalog Year
2016-2017**

**Environment and Natural Resources
Natural Resource Management Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ENGLISH 1110.01	First-Year English Composition	3
ENR 2100	Introduction to Environmental Science	3
ENVSCT 1201T	Exploring Environmental Sciences	0.5
GENSTDS 1201T	College Orientaton	0.5
MATH 1148	College Algebra	4
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>3</u>
		14
<u>1st Year – Spring Semester</u>		
CHEM 1110	Elementary Chemistry	5
ENR 2367	Communicating Environmental and Natural Resources Information	3
RURLSOC 1500	Introduction to Rural Sociology	3
ELECTIVE	From approved List	<u>3/4</u>
		14-15
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMLDR 3537	Data Analysis in the Applied Sciences	3
ENR 2300	Society and Natural Resources	3
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>3</u>
		16
<u>2nd Year – Spring Semester</u>		
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	3
ENGTECH 2050T	Introduction to Geographic Information Systems	3
ELECTIVE	From approved List	<u>10</u>
		16
	Total Credits	60-61

**ENVNATR-AS NTR
Catalog Year
2016-2017**

**Environment and Natural Resources
Natural Resource Management Specialization
Associate of Science**

Electives for Natural Resources Management (NRM) BS Major
Minimum of 19 credits required

9 hours MUST come from: Arts & Humanities	HISTORY 1152 American Civilization since 1877 COMPSTD 2301 Introduction to World Literature MUSIC 2250 Music Cultures of the World RELSTDS 2370 Introduction to Comparative Religion	3 3 3 3
BUSTEC 2231T BUSTEC 2247T BUSTEC 2249T *CRPSOIL 2300T CRPSOIL 2301T HCS 2201 PLNTPTH 3001	Fundamentals of Marketing Business Law Fundamentals of Business Finance Introduction to Soil Science Introduction to Soil Science Lab Ecology of Managed Plant Systems General Plant Pathology Lecture	3 3 3 3 1 4 3

Electives for Environmental Policy and Decision Making (EPDM) BS Major
Minimum of 19 credits required

9 hours MUST come from: Arts & Humanities	HISTORY 1152 American Civilization since 1877 COMPSTD 2301 Introduction to World Literature MUSIC 2250 Music Cultures of the World RELSTDS 2370 Introduction to Comparative Religion	3 3 3 3
*CRPSOIL 2300T CRPSOIL 2301T ENGTECH 2040T	Introduction to Soil Science Introduction to Soil Science Lab Soil and Water Conservation Systems	3 1 4

Electives for Environment, Economy, Development, and Sustainability (EEDS) BS Major
Minimum of 19 credits required

9 hours MUST come from: Arts & Humanities	HISTORY 1152 American Civilization since 1877 COMPSTD 2301 Introduction to World Literature MUSIC 2250 Music Cultures of the World RELSTDS 2370 Introduction to Comparative Religion	3 3 3 3
BUSTEC 2231T BUSTEC 2247T BUSTEC 2249T *CRPSOIL 2300T CRPSOIL 2301T	Fundamentals of Marketing Business Law Fundamentals of Business Finance Introduction to Soil Science Introduction to Soil Science Lab	3 3 3 3 1

* CRPSOIL 2300T fulfills the Additional Science option for the BS major

**ASSOCIATE OF SCIENCE DEGREE
ENVIRONMENT AND NATURAL RESOURCES CURRICULUM PLAN
Natural Resource Management Specialization**

Ohio State ATI		Major: Natural Resource Management	
General Education		General Education	
Subject	Sem Cr	Course	Sem Cr.
ENGLISH COMPOSITION/ ORAL COMMUNICATION ENGLISH 1110.01 AGRCOMM 2367 or 3130 or ENR 2367	3	ENGLISH 1110.01	3
	3	ENR 2367	3
MATHEMATICS/ STATISTICS AND LOGIC MATHEMATICS	4-5	MATH 1148	4
ARTS AND HUMANITIES Select at least 1 course from 2 of the following areas: Historical Study Culture and Ideas* Literature* Art*	min. 6	Choose 3 of the following courses: HISTORY 1152 COMPSTD 2301* MUSIC 2250* RELSTDS 2370*	3 3 3
SOCIAL AND BEHAVIORAL SCIENCES Social and Behavioral Sciences AEDECON 2001 RURLSOC 1500	3	AEDECON 2001	3
	3	RURLSOC 1500	3
NATURAL SCIENCES	min. 6	BIOLOGY 1113 CHEM 1110	4 5
Additional OTM course(s) (from 5 GE categories above) or Open Option (course(s) as defined by OSU Columbus major)		ENR 2100	3
COLLEGE/CAREER ORIENTATION	1	GENSTDS 1201T ENVSCT 1201T	0.5 0.5
Total General Education	37-40	Total General Education	38
Transferable and major courses applicable to OSU bachelor's degree Developed in consultation with affiliated department/unit where appropriate		COMLDR 3537 ENGTech 2050T ENR 2300 ELECTIVES	3 3 3 13/14
		Transferable and Major courses	22-23
DEGREE TOTAL	60-65	DEGREE TOTAL	60-61

*COMPSTD 2301 (Literature), MUSIC 2250 (Art), and RELSTDS 2370 (Culture and Ideas) courses offered at Ohio State ATI also fulfill a global studies general education requirement, in addition to the areas that they are designated.

**ENVNATR-AS NTR
Catalog Year
2016-2017**

**Environment and Natural Resources
Natural Resource Management Specialization
Associate of Science**

<u>Course</u>	<u>Title</u>	<u>Credits</u>
<u>1st Year – Autumn Semester</u>		
ENGLISH 1110.01	First-Year English Composition	3
ENR 2100	Introduction to Environmental Science	3
ENVSCT 1201T	Exploring Environmental Sciences	0.5
GENSTDS 1201T	College Orientaton	0.5
MATH 1148	College Algebra	4
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>3</u>
		14
<u>1st Year – Spring Semester</u>		
CHEM 1110	Elementary Chemistry	5
ENR 2367	Communicating Environmental and Natural Resources Information	3
RURLSOC 1500	Introduction to Rural Sociology	3
ELECTIVE	From approved List	<u>3/4</u>
		14-15
<u>2nd Year – Autumn Semester</u>		
AEDECON 2001	Principles of Food and Resource Economics	3
BIOLOGY 1113	Bio Sci: Energy Transfer and Development	4
COMLDR 3537	Data Analysis in the Applied Sciences	3
ENR 2300	Society and Natural Resources	3
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	<u>3</u>
		16
<u>2nd Year – Spring Semester</u>		
ARTS / HUM	COMPSTD 2301 or HISTORY 1152 or MUSIC 2250 or RELSTDS 2370	3
ENGTECH 2050T	Introduction to Geographic Information Systems	3
ELECTIVE	From approved List	<u>10</u>
		16
	Total Credits	60-61

**ENVNATR-AS NTR
Catalog Year
2016-2017**

**Environment and Natural Resources
Natural Resource Management Specialization
Associate of Science**

Electives for Natural Resources Management (NRM) BS Major
Minimum of 19 credits required

9 hours MUST come from: Arts & Humanities	HISTORY 1152 American Civilization since 1877 COMPSTD 2301 Introduction to World Literature MUSIC 2250 Music Cultures of the World RELSTDS 2370 Introduction to Comparative Religion	3 3 3 3
BUSTEC 2231T BUSTEC 2247T BUSTEC 2249T *CRPSOIL 2300T CRPSOIL 2301T HCS 2201 PLNTPTH 3001	Fundamentals of Marketing Business Law Fundamentals of Business Finance Introduction to Soil Science Introduction to Soil Science Lab Ecology of Managed Plant Systems General Plant Pathology Lecture	3 3 3 3 1 4 3

Electives for Environmental Policy and Decision Making (EPDM) BS Major
Minimum of 19 credits required

9 hours MUST come from: Arts & Humanities	HISTORY 1152 American Civilization since 1877 COMPSTD 2301 Introduction to World Literature MUSIC 2250 Music Cultures of the World RELSTDS 2370 Introduction to Comparative Religion	3 3 3 3
*CRPSOIL 2300T CRPSOIL 2301T ENGTECH 2040T	Introduction to Soil Science Introduction to Soil Science Lab Soil and Water Conservation Systems	3 1 4

Electives for Environment, Economy, Development, and Sustainability (EEDS) BS Major
Minimum of 19 credits required

9 hours MUST come from: Arts & Humanities	HISTORY 1152 American Civilization since 1877 COMPSTD 2301 Introduction to World Literature MUSIC 2250 Music Cultures of the World RELSTDS 2370 Introduction to Comparative Religion	3 3 3 3
BUSTEC 2231T BUSTEC 2247T BUSTEC 2249T *CRPSOIL 2300T CRPSOIL 2301T	Fundamentals of Marketing Business Law Fundamentals of Business Finance Introduction to Soil Science Introduction to Soil Science Lab	3 3 3 3 1

* CRPSOIL 2300T fulfills the Additional Science option for the BS major



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February 5, 2016

To whom it may concern,

The Academic Affairs Committee (AAC) in the School of Environment and Natural Resources reviewed the AS degrees/pathways to ENR majors (namely the SUSTAG-AS degree and the ENVNATR-AS degrees with specializations in Natural Resources Management and Environmental Science). We appreciate the opportunity to review these degree programs. The SENR AAC offers our concurrence for the proposed pathways for ATI students to come to SENR main campus.

The ENR courses included as ATI offerings include RS 1500 (Introduction to Rural Sociology), ENR 2100 (Introduction to Environmental Science), ENR 2300 (Society and Natural Resources), and ENR 2367 (Communicating Environmental and Natural Resources Information). We will work with ATI to ensure that the content delivered through these courses is equivalent in nature to the offerings in Columbus. In particular, we will work with ATI to integrate online offerings of our courses into the curriculum where appropriate (e.g., 1500 and 2100), and to ensure that the instructors teaching other ENR courses (e.g., 2300 and 2367) are qualified to deliver the necessary content. We request that any changes in coursework in the future related to ENR courses be vetted through the School to ensure equivalency in content and instruction between an ATI and Columbus-OSU offering.

Thank you for the chance to review the AS degrees/pathways, please let us know if you have any additional questions.

Sincerely,

Robyn Wilson, Academic Affairs Committee Chair