

# NATURAL RESOURCE ECONOMICS AND POLICY - BACHELOR OF SCIENCE IN AGRICULTURE

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300/3000 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
<b>General Education</b>		
<i>Area I: Communications</i>		
<i>English Composition - Level 1<sup>1</sup></i>		
ENGL 1110G	Composition I	4
or ENGL 1110H	Composition I Honors	
<i>English Composition - Level 2<sup>1</sup></i>		
Select one from the following:		3
ENGL 2130G	Advanced Composition	
ENGL 2210G	Professional and Technical Communication	
ENGL 2210H	Professional and Technical Communication	
ENGL 2215G	Advanced Technical and Professional Communication	
ENGL 2221G	Writing in the Humanities and Social Science	
<i>Oral Communication<sup>1</sup></i>		
Select one from the following:		3
ACOM 1130G	Effective Leadership and Communication in Agriculture	
COMM 1115G	Introduction to Communication	
COMM 1130G	Public Speaking	
HNRS 2175G	Introduction to Communication Honors	
<i>Area II: Mathematics</i>		
MATH 1430G	Applications of Calculus I <sup>2</sup>	3
<i>Area III/IV: Laboratory Science and Social/Behavioral Sciences</i>		
ECON 2110G	Macroeconomic Principles	3
ECON 2120G	Principles of Microeconomics Honors	3
Area III: Laboratory Sciences (4 credits) <sup>3</sup>		4
<i>Area V: Humanities<sup>1</sup></i>		
<i>Area VI: Creative and Fine Arts<sup>1</sup></i>		
General Education Elective <sup>4</sup>		4
Viewing A Wider World <sup>5</sup>		6
<b>Departmental/College Requirements</b>		
<i>Applied Economics Core</i>		
ACES 1120	Freshman Orientation	1
ACES 1210	Financial Fitness for College Students	1
AEEC 3120V	Natural Resource Economics	3
or ECON 337V	Natural Resource Economics	
AEEC 3130V	Water Resource Economics	3
or ECON 384V	Water Resource Economics	
AEEC 4410	Senior Seminar	1
AEEC 3270	Spreadsheet Applications in Food and Agriculture	3

ECON 312	Intermediate Microeconomic Theory	3
AEEC/ECON Elective (300/3000- level or above)		3
AEEC Elective (300/3000- level or above)		3
<i>Science, Policy and Ethics</i>		
AEEC 3140V	Agricultural Policy	3
Select one from the following:		3
AEEC 3240	Agricultural and Natural Resource Law	3
BLAW 316	Legal Environment of Business	3
FWCE 447	Wildlife Law and Policy	3
FWCE 2110	Principles of Fish and Wildlife Management	3
GEOG 2130	Map Analysis & Interpretation	3
or FWCE 471	GIS for Natural Resource Scientists	
POLS 330	Introduction to Public Administration	3
or POLS 324	Environmental Policy & Administration	
RGSC 2110	Introduction to Rangeland Management	3
Science, Policy and Ethics Directed Electives (300/3000- level or above)		9
<i>Quantitative Skills</i>		
A ST 311	Statistical Applications	3
or MATH 1350G	Introduction to Statistics	
MATH 1215	Intermediate Algebra	3
MATH 1220G	College Algebra	3
AEEC 2140	Technology and Communication for Business Management	3
<b>Second Language: (not required)</b>		
<b>Electives, to bring the total credits to 120<sup>6</sup></b>		<b>12</b>
<b>Total Credits</b>		<b>120</b>

<sup>1</sup> See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.

<sup>2</sup> MATH 1430G Applications of Calculus I is required for the degree but students may first need to take any prerequisites needed before taking MATH 1430G. Students who place or transfer in a higher-level course are exempt from MATH 1430G.

<sup>3</sup> See the **General Education** section of the catalog for a full list of courses. Students are strongly encouraged to satisfy the Area III Laboratory category by enrolling in courses related to their area of interest in environmental and natural resource sciences, which are prerequisites to upper-level courses. Recommended options include FWCE 1110G Introduction to Natural Resources Management, BIOL 2610G Principles of Biology: Biodiversity, Ecology, and Evolution, CHEM 1120G Introduction to Chemistry Lecture and Laboratory (non majors), CHEM 1215G General Chemistry I Lecture and Laboratory for STEM Majors.

<sup>4</sup> See the **General Education** section of the catalog for a full list of courses. Students are strongly encouraged to satisfy this General Education Elective with another Laboratory Science related to their area of interest in environmental and natural resource sciences (in addition to that required in Area III). These courses are prerequisites to upper-level courses in these fields. Recommended options include FWCE 1110G Introduction to Natural Resources Management, BIOL 2610G Principles of Biology: Biodiversity, Ecology, and Evolution, CHEM 1120G Introduction to Chemistry Lecture and Laboratory (non majors), CHEM 1215G General Chemistry I Lecture and Laboratory for STEM Majors.

<sup>5</sup> See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses.

<sup>6</sup> It is strongly suggested that students use their elective credits to earn a minor (or two) such as Sustainability, Conservation Ecology, Environmental Science, Range Science, Soil Science, Wildlife Science, Economics, Public Law, Public Administration, or Geographic Information Systems.

*Elective credit may vary based on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The amount indicated in the requirements list is the amount needed to bring the total to 120 credit and may appear in variable form base on the degree. However, students may end up needing to complete more or less on a case-by-case basis and students should discuss elective requirements with their academic advisor.*

## A Suggested Plan of Study for Students

A roadmap for students coming into the Department of Agricultural Economics and Agricultural Business without deficiencies and without advanced coursework, e.g., AP course credit or dual credits wishing to pursue the degree in Natural Economics and Policy (NREP).

This roadmap assumes student placement in MATH 1215 and ENGL 1110G. The contents and order of this roadmap may vary depending on initial student placement in mathematics and english. It is only a suggested plan of study for students and is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change.

### First Year

Fall		Credits
ACES 1120	Freshman Orientation	1
ACES 1210	Financial Fitness for College Students	1
ENGL 1110G	Composition I	4
Area V: Humanities <sup>1</sup>		3
AEEC 2140	Technology and Communication for Business Management	3
MATH 1215	Intermediate Algebra	3
<b>Credits</b>		<b>15</b>

### Spring

Choose one from the following		3
ENGL 2130G	Advanced Composition	
ENGL 2210G	Professional and Technical Communication	
ENGL 2210H	Professional and Technical Communication	
ENGL 2215G	Advanced Technical and Professional Communication	
ENGL 2221G	Writing in the Humanities and Social Science	
ECON 2110G	Macroeconomic Principles	3
MATH 1220G	College Algebra	3
RGSC 2110	Introduction to Rangeland Management	3
Free Elective Course <sup>2</sup>		3
<b>Credits</b>		<b>15</b>

### Second Year

Fall		Credits
Choose one from the following <sup>1</sup>		3
COMM 1130G	Public Speaking	
COMM 1115G	Introduction to Communication	
ACOM 1130G	Effective Leadership and Communication in Agriculture	
HNRS 2175G	Introduction to Communication Honors	
MATH 1430G	Applications of Calculus I	3
ECON 2120G	Principles of Microeconomics Honors	3

Area III: Laboratory Science Course <sup>3</sup>		4
Free Elective Course <sup>2</sup>		3
<b>Credits</b>		<b>16</b>

### Spring

AEEC 3270	Spreadsheet Applications in Food and Agriculture	3
Choose one from the following:		3
MATH 1350G	Introduction to Statistics	
A ST 311	Statistical Applications	
ECON 312	Intermediate Microeconomic Theory	3
FWCE 2110	Principles of Fish and Wildlife Management	3
General Education Elective <sup>4</sup>		4
<b>Credits</b>		<b>16</b>

### Third Year

#### Fall

Area VI: Creative or Fine Arts Course <sup>1</sup>		3
AEEC 3120V or ECON 337V	Natural Resource Economics or Natural Resource Economics	3
AEEC/ECON Elective (300/3000-level or above)		3
Science, Policy and Ethics Directed Elective (300/3000-level or above)		3
GEOG 2130 or FWCE 471	Map Analysis & Interpretation or GIS for Natural Resource Scientists	3
<b>Credits</b>		<b>15</b>

#### Spring

VWW - Viewing a Wider World Course <sup>3</sup>		3
AEEC 3130V or ECON 384V	Water Resource Economics or Water Resource Economics	3
Science, Policy and Ethics Directed Elective (300/3000-level or above)		3
Free Elective Course <sup>2</sup>		3
Free Elective Course <sup>2</sup>		3
<b>Credits</b>		<b>15</b>

### Fourth Year

#### Fall

Viewing a Wider World (VWW) <sup>3</sup>		3
AEEC 3140V	Agricultural Policy	3
POLS 330 or POLS 324	Introduction to Public Administration or Environmental Policy & Administration	3
Free Elective Course <sup>2</sup>		3
Free Elective Course <sup>2</sup>		3
<b>Credits</b>		<b>15</b>

#### Spring

AEEC 3240 or BLAW 316 or FWCE 447	Agricultural and Natural Resource Law or Legal Environment of Business or Wildlife Law and Policy	3
AEEC 4410	Senior Seminar	1
Science, Policy and Ethics (300/3000-level or above)		3
AEEC Elective Course (300/3000-level or above)		3
Free Elective Course <sup>2,6</sup>		3
<b>Credits</b>		<b>13</b>

**Total Credits** **120**

<sup>1</sup> See the General Education (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/>) section of the catalog for a full list of courses.

<sup>2</sup> It is strongly suggested that students use their elective credits to earn a minor (or two) such as Sustainability, Conservation Ecology, Environmental Science, Range Science, Soil Science, Wildlife Science,

Economics, Public Law, Public Administration, or Geographic Information Systems.

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- <sup>4</sup> See the **General Education** section of the catalog for a full list of courses. Students are strongly encouraged to satisfy this General Education Elective with another Laboratory Science related to their area of interest in environmental and natural resource sciences (in addition to that required in Area III). These courses are prerequisites to upper-level courses in these fields. Recommended options include FWCE 1110G Introduction to Natural Resources Management, BIOL 2610G Principles of Biology: Biodiversity, Ecology, and Evolution, CHEM 1120G Introduction to Chemistry Lecture and Laboratory (non majors), CHEM 1215G General Chemistry I Lecture and Laboratory for STEM Majors.
- <sup>5</sup> See the Viewing a Wider World (<https://catalogs.nmsu.edu/nmsu/general-education-viewing-wider-world/#viewingawiderworldtext>) section of the catalog for a full list of courses.
- <sup>6</sup> The 4th year semester (Spring) shows 13 hours. Student's financial aid requirement may require them enroll in 15 hours.