

# AGRICULTURAL SCIENCES UNDERGRADUATE MAJOR (BS, HBS)

Also available at LaGrande and via Ecampus.

The Agricultural Sciences major gives you the freedom to design your own degree! As part of the degree program, you can choose from various agricultural-based credits and electives. You can go broad with exposure to all areas of agriculture, go deep within two or more emphasis areas – or do a combination of both.

Our major allows you to customize your degree and take courses from different areas throughout our College of Agricultural Sciences. The agricultural sciences major allows our students to create a purposeful course plan, crossing several areas of study, to meet their individual career goals. Students use this major to prepare to return to their family operation, teach agriculture, develop agricultural communications materials, work in Extension, go into industry, sell equipment/insurance, start their own businesses, or work for state or federal agricultural programs.

## Major Code: 259

- Demonstrate professional skills/competencies and ability to adapt to diverse audiences and diverse work environments.
- Demonstrate an ability to apply scientific, and computer literacy knowledge.
- Analyze and communicate effectively how agricultural sciences integrate with contemporary, social, economic, political, and environmental issues.

Code	Title	Credits
<b>Agricultural Core</b>		
AEC 211	AGRICULTURAL AND FOOD MANAGEMENT	4
AG 111	INFORMATION TECHNOLOGY IN AGRICULTURE	3
AG 421	*WRITING IN AGRICULTURE	3
Select one of the following:		4
SOIL 205 & SOIL 206	SOIL SCIENCE and *SOIL SCIENCE LABORATORY FOR SOIL 205 (Corvallis)	
CSS 205	*SOIL SCIENCE (Ecampus)	
CSS 305	PRINCIPLES OF SOIL SCIENCE (EOU)	
Select 9-12 credits from the following:		9-12
AED 235	INTRODUCTION TO AGRICULTURAL EDUCATION	
AED 313	THEORY AND PRACTICUM III: FIELD	
AED 325	PLANNING AND DELIVERING NON-FORMAL AGRICULTURAL EDUCATION	
AG 199	SPECIAL STUDIES (Orientation to Agricultural Sciences Major)	
AG 200	ORIENTATION TO THE AGRICULTURAL SCIENCES MAJOR	
AG 221	METALS AND WELDING	
AG 230	INTRODUCTION TO EXTENSION AND ENGAGEMENT	
AG 301	*ECOSYSTEM SCIENCE OF PACIFIC NW INDIANS	
AG 311	*NATIVE AMERICAN AGRICULTURE	
AG 312	ENGINE THEORY AND OPERATION	
AG 318	ACCESSING INFORMATION FOR AGRICULTURAL RESEARCH	
AG 351	*COMMUNICATING AGRICULTURE TO THE PUBLIC	
AG 391	FARM IMPLEMENTS	
AG 410	INTERNSHIP	

AG 412	AG SAFETY AND HEALTH	
AG 435	PROFESSIONAL PRESENTATIONS IN AGRICULTURE	
AG 445	SOCIAL MEDIA ADVOCACY IN AGRI SCIENCES & NATURAL RESOURCES	
AG 455	*RISK AND CRISIS COMMUNICATIONS IN AG SCI & NATURAL RESOURCES	
AG 492	TECHNOLOGY TRANSFER IN AGRICULTURE	
AG 499	SPECIAL TOPICS	
AGRI 399	SPECIAL TOPICS (Navigating Global Experiences)	
Select 60 credits of Agricultural electives (may include above, 24 of which must be upper division)		60
<b>Business and Law</b>		
Select one course from the following:		4
AEC 253	*ENVIRONMENTAL LAW, POLICY, AND ECONOMICS	
AEC 388	AGRICULTURAL LAW	
BA 330	LEGAL ENVIRONMENT OF BUSINESS	
Select one course from the following:		4
BA 315	ACCOUNTING FOR DECISION MAKING	
ST 201	PRINCIPLES OF STATISTICS	
<b>Communication</b>		
Select one course from the following:		3
AG 351	*COMMUNICATING AGRICULTURE TO THE PUBLIC	
AG 435	PROFESSIONAL PRESENTATIONS IN AGRICULTURE	
AG 445	SOCIAL MEDIA ADVOCACY IN AGRI SCIENCES & NATURAL RESOURCES	
AG 455	*RISK AND CRISIS COMMUNICATIONS IN AG SCI & NATURAL RESOURCES	
Any COMM/WR course (if WR, must be above WR 115)		
<b>Introductory Applied Economics</b>		
Select one course from the following:		3-4
AEC 250	*INTRODUCTION TO ENVIRONMENTAL ECONOMICS AND POLICY	
AEC 251	*INTRODUCTION TO AGRICULTURAL AND FOOD ECONOMICS	
ECON 201	*INTRODUCTION TO MICROECONOMICS	
<b>Sciences - Physical and Biological</b>		
<i>Physical Science - Chemistry</i>		
CH 121	GENERAL CHEMISTRY	5
CH 122	*GENERAL CHEMISTRY	5
<i>Biological Sciences – One-Year Series</i>		
Select one of the following series:		12
<b>Preferred Series</b>		
BI 221 & BI 222 & BI 223	*PRINCIPLES OF BIOLOGY: CELLS and *PRINCIPLES OF BIOLOGY: ORGANISMS and *PRINCIPLES OF BIOLOGY: POPULATIONS	
<b>Alternate Series</b>		
BI 101 & BI 102 & BI 103	*ENVIRONMENTAL BIOLOGY: ECOLOGY, CONSERVATION, GLOBAL CHANGE and *ANIMAL BIOLOGY: GENES, BEHAVIOR AND EVOLUTION OF LIFE and *HUMAN BIOLOGY: ANATOMY, PHYSIOLOGY AND DISEASE	
<b>Online Series</b>		
BI 204 & BI 205 & BI 206	*INTRODUCTORY BIOLOGY I and *INTRODUCTORY BIOLOGY II and *INTRODUCTORY BIOLOGY III	
<b>Leadership and Engagement</b>		
Select one course from the following:		3
AG 230	INTRODUCTION TO EXTENSION AND ENGAGEMENT	
LEAD 242	PERSONAL LEADERSHIP DEVELOPMENT	
LEAD 342	*TEAM AND ORGANIZATIONAL LEADERSHIP	
LEAD 442	LEADERSHIP SKILLS FOR CAREER SUCCESS	
LEAD 443	LEADERSHIP THROUGH CONVERSATIONS	
<b>Math</b>		
MTH 111	*COLLEGE ALGEBRA	4

2 Agricultural Sciences Undergraduate Major (BS, HBS)

**Electives <sup>1</sup>** **48-52**  
 Total Credits 180

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 Baccalaureate Core Course (BCC)

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 Writing Intensive Course (WIC)

1  
 A minimum of 45 of these elective credits must come from College of Agricultural Sciences. Remaining credits may be approved from other disciplines, to reach 60 total Ag Science electives

**Major Code: 259**

First Year		Credits
<b>Fall</b>		
AG 200	ORIENTATION TO THE AGRICULTURAL SCIENCES MAJOR	2
BI 221 or BI 204	*PRINCIPLES OF BIOLOGY: CELLS or *INTRODUCTORY BIOLOGY I	4
MTH 111	*COLLEGE ALGEBRA	4
WR 121	*ENGLISH COMPOSITION	3
Credits		13
<b>Winter</b>		
AG 111	INFORMATION TECHNOLOGY IN AGRICULTURE	3
BI 222 or BI 205	*PRINCIPLES OF BIOLOGY: ORGANISMS or *INTRODUCTORY BIOLOGY II	4
COMM 111 or COMM 114	*PUBLIC SPEAKING or *ARGUMENT AND CRITICAL DISCOURSE	3
HHS 231	*LIFETIME FITNESS FOR HEALTH	2
College of Agricultural Sciences Elective		3
Credits		15
<b>Spring</b>		
AGRI 399	SPECIAL TOPICS (Navigate Global Experiences)	1
BI 223 or BI 206	*PRINCIPLES OF BIOLOGY: POPULATIONS or *INTRODUCTORY BIOLOGY III	4
WR 222	*ENGLISH COMPOSITION	3
Bacc Core: WIC		3
Elective		3
PAC XXX	Physical Activity Course	1
Credits		15
<b>Second Year</b>		
<b>Fall</b>		
AEC 251	*INTRODUCTION TO AGRICULTURAL AND FOOD ECONOMICS	3
CH 121	GENERAL CHEMISTRY	5
SOIL 205	SOIL SCIENCE	3
SOIL 206	*SOIL SCIENCE LABORATORY FOR SOIL 205	1
College of Agricultural Sciences Elective		3
Credits		15
<b>Winter</b>		
AEC 211	AGRICULTURAL AND FOOD MANAGEMENT	4
AG 230	INTRODUCTION TO EXTENSION AND ENGAGEMENT	3
AG 301	*ECOSYSTEM SCIENCE OF PACIFIC NW INDIANS	3
CH 122	*GENERAL CHEMISTRY	5
Credits		15
<b>Spring</b>		
LEAD 342	*TEAM AND ORGANIZATIONAL LEADERSHIP	3
Bacc Core: Cultural Diversity		3
Bacc Core: Literature & The Arts		3
College of Agricultural Sciences Elective		4
WR/COMM Elective		3
Credits		16

Third Year		
<b>Fall</b>		
AEC 388	AGRICULTURAL LAW	4
AG 311	*NATIVE AMERICAN AGRICULTURE	3
Bacc Core: Synthesis		3
College of Agricultural Sciences Elective		3
College of Agricultural Sciences Elective		3
Credits		16
<b>Winter</b>		
AG 351	*COMMUNICATING AGRICULTURE TO THE PUBLIC	3
BA 315	ACCOUNTING FOR DECISION MAKING	4
College of Agricultural Sciences Elective		4
College of Agricultural Sciences Elective		4
Credits		15
<b>Spring</b>		
AG 410	INTERNSHIP	12
Bacc Core: Synthesis		3
Credits		15
<b>Fourth Year</b>		
<b>Fall</b>		
AG 391	FARM IMPLEMENTS	3
College of Agricultural Sciences Elective (Upper Division)		3
College of Agricultural Sciences Elective (Upper Division)		3
College of Agricultural Sciences Elective (Upper Division)		3
College of Agricultural Sciences Elective (Upper Division)		4
Credits		16
<b>Winter</b>		
AG 421	*WRITING IN AGRICULTURE	3
AGRI 438	EXPLORING WORLD AGRICULTURE	2
College of Agricultural Sciences Elective (Upper Division)		3
College of Agricultural Sciences Elective (Upper Division)		3
College of Agricultural Sciences Elective (Upper Division)		4
Credits		15
<b>Spring</b>		
Elective		3
Elective		3
Elective		4
Elective		4
Credits		14
Total Credits		180

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 Baccalaureate Core Course (BCC)

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 Writing Intensive Course (WIC)