

# INTERNATIONAL AGRICULTURAL DEVELOPMENT, BACHELOR OF SCIENCE

## College of Agricultural & Environmental Sciences

International Agricultural Development is an interdisciplinary major in the Plant Sciences department.

## Faculty

Includes members from various departments across colleges.

## Master Advisor

Advising for the major is located in 1244 Plant & Environmental Sciences; 530-752-4839.

A. Crump in 3045 Wickson Hall (Plant Sciences Department)

Code	Title	Units
<b>Preparatory Subject Matter</b>		
CRD 001	The Community	4
IAD 010	Introduction to International Agricultural Development	4
MAT 016A	Short Calculus	3
PLS 002	Botany & Physiology of Cultivated Plants	4
<i>Soil Science</i>		
SSC 010 or SSC 100	Soils in Our Environment Principles of Soil Science	3-5
<i>Economics</i>		
ECN 001A	Principles of Microeconomics	4
ECN 001B	Principles of Macroeconomics	4
Choose one:		4-5
STA 013	Elementary Statistics	
SOC 046B	(Discontinued)	
PLS 120	Applied Statistics in Agricultural Sciences	
Choose 6 units:		6
ARE 015	Population, Environment & World Agriculture	
ANS 041	Domestic Animal Production	
ANS 041L	Domestic Animal Production Laboratory	
CRD 020	Food Systems	
NUT 010	Discoveries & Concepts in Nutrition	
PLS 001	Agriculture, Nature & Society	
PLS 015	Introduction to Sustainable Agriculture	
PLS 049	Organic Crop Production Practices	
Preparatory Subject Matter Subtotal		36-39
<b>Depth Subject Matter</b>		
ECN 115A	Economic Development	4
IAD 103	Social Change & Agricultural Development	4
IAD 170	Program Development for International Agriculture	4

ARE 147 or PLS 101	Resource & Environment Policy Analysis Agriculture & the Environment	3
Choose a minimum of 5 units:		5
IAD 142	Equipment & Technology for Small Farms	
IAD 160	Agroforestry: Global & Local Perspectives	
PLS 110	Crop Management Systems for Vegetable Production	
PLS 111	Principles of Agronomic Crop Production Systems	
PLS 112	Forage Crop Production	
PLS 130	Rangelands: Ecology, Conservation & Restoration	
Choose a minimum of 4 units:		4
SOC 170	Population	
CRD 141	Organization of Economic Space	
CRD 162	People, Work & Technology	
Choose 4 units:		4
CRD 142	Rural Change in the Industrialized World	
CRD 149	Community Development Perspectives on Environmental Justice	
CRD 152	Community Development	
Choose 4 units:		4
POL 123	The Politics of Interdependence	
POL 124	The Politics of Global Inequality	
SOC 145A	Sociology of Third World Development	
ANT 126A	Anthropology of Development	
ANT 126B	Women & Development	
ANT 131	Ecology & Politics	
Depth Subject Matter Subtotal		32
<b>Foreign Language Requirement</b>		
Students must complete three sequenced quarters (15 units) of courses in one foreign language or its equivalent. Passing a foreign language proficiency examination, a score of 5, 4, or 3 on a foreign language Advanced Placement examination (except Latin), or a score of 550 on the SATII: Subject Test will also satisfy this requirement.		0-15
Foreign Language Requirement Subtotal		0-15
<b>Internship Requirement</b>		
Students must complete at least 4 units of internship. Internships can be chosen in consultation with an advisor. Internship requirement waived for students enrolled in the UC Education Abroad Program.		4
Internship Requirement Subtotal		4
<b>Areas of Specialization</b>		
Choose one:		45-46
Agricultural Production Option (p. 2)		
Trade & Economic Development Option (p. 2)		
Environmental Issues Option (p. 2)		
Rural Communities Option (p. 3)		
Subtotal		45-46
<b>International Agricultural Development Abroad</b>		
Choose 0-40 units:		0-40

International Agricultural Development Abroad Subtotal	0-40
<b>Total Units</b>	<b>117-176</b>

## Areas of Specialization

### Agricultural Production Option

Code	Title	Units
<b>Agricultural Production Option</b>		
BIS 002A	Introduction to Biology: Essentials of Life on Earth	5
BIS 002B	Introduction to Biology: Principles of Ecology & Evolution	5
CHE 002A	General Chemistry	5
CHE 002B	General Chemistry	5
Choose 15 units:		15
ANS 118	Fish Production	
ANS 124	Lactation	
ANS 143	Pig & Poultry Care & Management	
ANS 144	Beef Cattle & Sheep Production	
ANS 145	Meat Processing & Marketing	
ANS 146	Dairy Cattle Production	
AVS 121	Avian Reproduction	
ENT 110	Arthropod Pest Management	
ENT 135	Introduction to Biological Control	
ENH 100	Urban Forestry	
ENH 133	Woody Plants in the Landscape: Growth, Ecology & Management	
ESM 100	Principles of Hydrologic Science	
HYD 124	Plant-Water-Soil Relationships	
IAD 142	Equipment & Technology for Small Farms	
IAD 160	Agroforestry: Global & Local Perspectives	
PLP 120	Introduction to Plant Pathology	
PLS 110	Crop Management Systems for Vegetable Production	
PLS 111	Principles of Agronomic Crop Production Systems	
PLS 112	Forage Crop Production	
PLS 113	Biological Applications in Fruit Tree Management	
PLS 114	Biological Applications in Fruit Production	
PLS 130	Rangelands: Ecology, Conservation & Restoration	
PLS 150	Sustainability & Agroecosystem Management	
PLS 170A	Fruit & Nut Cropping Systems	
PLS 170B	Fruit & Nut Cropping Systems	
PLS 172	Biology and Quality of Harvested Crops	
PLS 176	Introduction to Weed Science	
SSC 109	Sustainable Nutrient Management	
SSC 118	Soils in Land Use & the Environment	
<i>Restricted Electives</i>		
Courses selected in consultation with an advisor.		10
<b>Total Units</b>		<b>45</b>

### Trade & Economic Development Option

Code	Title	Units
<b>Trade &amp; Economic Development Option</b>		
MAT 016B	Short Calculus	3
SOC 001	Introduction to Sociology	5
or ANT 002	Cultural Anthropology	
Choose 20 units:		20
ARE 015	Population, Environment & World Agriculture	
ARE 100A	Intermediate Microeconomics: Theory of Production & Consumption	
ARE 100B	Intermediate Microeconomics: Imperfect Competition, Markets & Welfare Economics	
ARE 115B	Economic Development	
ARE 120	Agricultural Policy	
ARE 121	Economics of Agricultural Sustainability	
ARE 130	Agricultural Markets	
ARE 136	Managerial Marketing	
ARE 138	International Commodity & Resource Markets	
ARE 139	Futures & Options Markets	
ARE 175	Natural Resource Economics	
ARE 176	Environmental Economics	
CRD 141	Organization of Economic Space	
ECN 160A	International Microeconomics	
ECN 160B	International Macroeconomics	
TXC 174	(Discontinued)	
<i>Restricted Electives</i>		
Courses selected in consultation with an advisor.		17
<b>Total Units</b>		<b>45</b>

### Environmental Issues Option

Code	Title	Units
<b>Environmental Issues Option</b>		
ESP 001	Environmental Analysis	4
<i>Biological Science</i>		
BIS 002A	Introduction to Biology: Essentials of Life on Earth	5
BIS 002B	Introduction to Biology: Principles of Ecology & Evolution	5
Choose 16 units:		16
ARE 147	Resource & Environment Policy Analysis	
ARE 175	Natural Resource Economics	
ARE 176	Environmental Economics	
ESP 100	General Ecology	
ESP 101	Ecology, Nature, & Society	
ESP 110	Principles of Environmental Science	
ESP 160	The Policy Process	
ESP 161	Environmental Law	
ESP 170	Conservation Biology Policy	
ESP 171	Urban & Regional Planning	
ESP 172	Public Lands Management	
ESP 175	Natural Resource Economics	

PLS 101	Agriculture & the Environment	
PLS 147	California Plant Communities	
PLS 147L	California Plant Communities Field Study	
PLS 150	Sustainability & Agroecosystem Management	
ENH 150	Genetics & Plant Conservation: The Biodiversity Crisis	
ENH 160	Restoration Ecology	
ENH 160L	Restoration Ecology Laboratory	
<i>Restricted Electives</i>		
Courses selected in consultation with an advisor.		15
<b>Total Units</b>		<b>45</b>

## Rural Communities Option

Code	Title	Units
<b>Rural Communities Option</b>		
SOC 001	Introduction to Sociology	5
ANT 002	Cultural Anthropology	5
Choose 16 units:		16
CRD 140	Dynamics of Regional Development	
CRD 147	Community Youth Development	
CRD 149	Community Development Perspectives on Environmental Justice	
CRD 151	Community Field Research: Theory & Analysis	
CRD 152	Community Development	
CRD 153A	International Community Development: Asia	
CRD 153B	International Community Development: Europe	
CRD 154	Social Theory & Community Change	
CRD 164	Theories of Organizations & Their Role in Community Change	
CRD 172	Social Inequality: Issues & Innovations	
CRD 176	Comparative Ethnicity	
CRD 180	Transnational Community Development	
<i>Restricted Electives</i>		
Courses selected in consultation with an advisor.		20
<b>Total Units</b>		<b>46</b>