

Program Change Request

Date Submitted: 11/30/18 10:06 am

Viewing: **CERT-INAG** ~~CERT-EG31~~ : International Agriculture and
Resource Management- Certificate

Last edit: 02/11/19 9:55 am

Changes proposed by: g-wingenbach

Catalog Pages Using
this Program

[International Agriculture and Resource Management - Certificate](#)

Contact(s)

Name	E-mail	Phone
Gary Wingenbach	wingenbach@tamu.edu	979-862-1507

Academic level Graduate

Effective Term 2020-2021

Department **Ag Leadership, Educ & Comm** ~~College of Ag & Life Sciences~~

College Agriculture & Life Sciences

Program type Certificate

Associated Program **Not Applicable**

With a certificate in International Agriculture ~~and Resource Management~~

Catalog Program Title
International Agriculture ~~and Resource Management~~ - Certificate

CIP and Fund code **0107010005**

Rationale for Proposal

Many students pursuing certificates are enrolling in distance education courses, including in-residence students. Courses offered on-campus and/or via distance education meet certificate requirements.

Program hours **15**

Is this program eligible for financial aid? **No**

Will program hours change (increase/decrease) due to the proposed curriculum changes? **No**

Certificate type
Stand-alone

Program delivery mode
Synchronous/Asynchronous
On-campus
Distance Education/Internet

% of Program a student can take off-campus or **100%**

In Workflow

1. **CLAG Department Head GR**
2. **ALEC Department Head**
3. **Curricular Services Review**
4. **AG Committee Preparer GR**
5. **AG Committee Chair GR**
6. **AG College Dean GR**
7. **Provost**
8. **GC Preparer**
9. **GC Chair**
10. **Faculty Senate Preparer**
11. Faculty Senate
12. Provost II
13. President
14. Curricular Services

Approval Path

1. 07/11/18 3:00 pm
Dawn Kerstetter (dkerstetter): Approved for CLAG Department Head GR
2. 07/19/18 2:16 pm
Angel Mario Carrizales (carri1214): Rollback to Initiator
3. 07/19/18 3:35 pm
Dawn Kerstetter (dkerstetter): Approved for CLAG Department Head GR
4. 07/20/18 3:02 pm
Angel Mario Carrizales (carri1214): Rollback to Initiator
5. 07/25/18 3:06 pm
Dawn Kerstetter (dkerstetter): Approved for CLAG Department Head GR
6. 08/09/18 3:37 pm
Angel Mario Carrizales (carri1214): Rollback to Initiator
7. 11/27/18 4:12 pm
Sandra Williams (sandra-williams): Rollback to Initiator
8. 11/30/18 10:07 am
Dawn Kerstetter (dkerstetter): Approved for CLAG Department Head GR

through Distance Education

- 9. 11/30/18 10:09 am
Tracy Rutherford
(rutherford): Approved
for ALEC Department
Head
- 10. 12/04/18 8:34 am
Angel Mario Carrizales
(carri1214): Approved
for Curricular Services
Review
- 11. 12/04/18 9:08 am
Dawn Kerstetter
(dkerstetter): Approved
for AG Committee
Preparer GR
- 12. 01/17/19 10:54 am
Dawn Kerstetter
(dkerstetter): Approved
for AG Committee Chair
GR
- 13. 01/22/19 9:36 am
Dawn Kerstetter
(dkerstetter): Approved
for AG College Dean GR
- 14. 01/23/19 3:56 pm
Deena McConnell
(djm): Approved for
Provost
- 15. 01/28/19 9:19 am
LaRhesa Johnson
(lrjohnson): Approved
for GC Preparer
- 16. 02/11/19 9:57 am
Russell Ramirez
(rramirez): Approved
for GC Chair

Catalog Program Requirements

Course List

Code	Title	Semester Credit Hours
ALEC/AGEC elective 1		
Select two of the following:		6
<u>AGEC 604/PSAA 663</u>	Natural Resource Economics	
<u>AGEC 608</u>	Economics of Foreign Intervention, Conflict, and Development	
<u>AGEC 614</u>	Global Food and Agribusiness Policy	
<u>AGEC 639/SCSC 635</u>	Comparative Global Standards in Food Systems	
<u>AGEC 652</u>	International Agribusiness Trade Analysis	
<u>AGEC 659</u>	Ecological Economics	
<u>ALEC 610</u>	Principles of Adult Education	
<u>ALEC 640</u>	Methods of Technological Change	
<u>ALEC 644</u>	The Agricultural Advisor in Developing Nations	
<u>ALEC 645</u>	Initiating, Managing and Monitoring Projects of International Agricultural Development	
<u>ALEC 646</u>	Institutions Serving Agriculture in Developing Nations	
Supporting area elective 2		
Select two of the following:		6
<u>AGEC 604/PSAA 663</u>	Natural Resource Economics 2	
<u>AGEC 608</u>	Economics of Foreign Intervention, Conflict, and Development 2	
<u>AGEC 614</u>	Global Food and Agribusiness Policy 2	
<u>AGEC 639/SCSC 635</u>	Comparative Global Standards in Food Systems 2	
<u>AGEC 652</u>	International Agribusiness Trade Analysis 2	
<u>AGEC 659</u>	Ecological Economics 2	
<u>ALEC 610</u>	Principles of Adult Education 2	
<u>ALEC 640</u>	Methods of Technological Change 2	
<u>ALEC 644</u>	The Agricultural Advisor in Developing Nations 2	
<u>ALEC 645</u>	Initiating, Managing and Monitoring Projects of International Agricultural Development 2	
<u>ALEC 646</u>	Institutions Serving Agriculture in Developing Nations 2	

Code	Title	Semester Credit Hours
ANSC 610	Applied Animal Ethology	
ANSC 628	Animal Breeding	
ANSC 637	Food Safety: Policy, Regulations and Issues	
ANSC 657/NFSC 657	Hazard Analysis and Critical Control Point System	
ANSC 667/NFSC 667	Industrial Processed Meat Operations	
DASC 606/NFSC 606	Microbiology of Foods	
ENTO 618	Medical and Veterinary Entomology	
ENTO 625/GEOG 625	Landscape Ecology	
ESSM 600	Principles of Ecosystem Science and Management	
ESSM 622	Biogeochemistry of Terrestrial Ecosystems	
ESSM 624	Terrestrial Ecosystems and Global Change	
ESSM 676/RENR 650	Leadership, Development and Management of Environmental NGOs	
INTA 608	Fundamentals of the Global Economy	
INTA 616	Economic Development in China	
INTA 625	International Trade Policy Analysis	
INTA 630	International Economic Development	
PSAA 603	Nongovernmental Organization Management in International Settings	
PSAA 636	Grant and Project Management in the Public and Nonprofit Sectors	
PSAA 674	Political Economy of International Development	
RPTS 646	Heritage Tourism	
SCSC 613	Ethical Aspects of International Agricultural Systems	
SCSC 620	Brazilian Agriculture and Food Production Systems	
SCSC 621	International Agricultural Research Centers - MX	
SCSC 623	Natural Resources and Agricultural Sustainability in UK	
SCSC 645/HORT 645	World Agriculture and International Plant Breeding	
WFSC 605	Community Ecology	
WFSC 624	Dynamics of Populations	
WFSC 639	Wildlife Ecotoxicology	

Capstone 3

Select one of the following: 3

- [AGEC 613](#) International Agricultural Development Policy
- [AGEC 685](#) Directed Studies 4
- [ALEC 685](#) Directed Studies 4

Total Semester Credit Hours 15

- 1 Six credit hours may be in ALEC, AGECE, or a combination of both subject areas.
- 2 Courses may not count in more than one category.
- 3 Credit-bearing capstone experience with an international agriculture focus
- 4 Adviser must approve the directed study plan prior to enrollment.

No more than nine hours from one major may be used to satisfy certificate requirements.

~~The IARM Certificate requires successful completion of the following:~~

Code	Title	Semester Credit Hours
Prescribed courses from the following focus areas: 1		
Human Capacity Development for International Agriculture, Development and Natural Resource Management		
Agricultural and Natural Resource Economic Trade and Policy		
Foods Systems		
Agricultural and Natural Resource Development		
Conservation and Natural Resources		
Capstone course		
International Agricultural Development		
Seminar		
Select one of the following:		
ALEC 681	Seminar	4
Attend 8 Borlaug Institute seminars		
Total Semester Credit Hours		
0		
1 Select 12 credit hours from one focus area with no more than 9 hours in one major.		

Additional Requirements

Additional information **The International Agriculture (INAG) Graduate Certificate Program helps graduate students acquire specific knowledge and experience in international agriculture to increase their career competencies and workforce competitiveness. The INAG Program is evidenced via transcript or may be earned as a stand-alone certificate from the College of Agriculture and Life Sciences. The 15-hour INAG combines selected courses from students' home departments and selected international**

agriculture courses from the Department of Agricultural Leadership, Education, and Communications, and the Department of Agricultural Economics. INAG courses require subject matter with more than a 50% focus in international agriculture. Through the INAG program, students acquire focused study and increased understanding in human capacity development and agricultural and natural resource economic trade and policy.

Students must provide a rationale for seeking the INAG when applying online. The INAG Program Committee will review online applications on or about February 1st and October 1st, annually. INAG program admission must occur before completing 50% of graduate program hours (18 hours for the Master's Degree; 32 hours for the Doctoral Degree).

Required Proposal
Forms

[INAG Verification Form Updated Nov 2018.pdf](#)

[INAG CERT DEG EVAL Updated Nov 2018-1.pdf](#)

[INAG DE Form.pdf](#)

[INAG Online Delivery Proposal Corrected.pdf](#)

Reviewer Comments

Dawn Kerstetter (dkerstetter) (01/12/18 9:55 am): Rollback: please make necessary corrections

Sandra Williams (sandra-williams) (01/16/18 9:11 am): Rollback: Form shows 15 hours, however, the catalog program requirements still add up to 16 SCH. Please fix.

Sandra Williams (sandra-williams) (01/23/18 10:59 am): Edits made to catalog program requirements to conform with catalog style guide.

David W. Reed (dwreed) (02/22/18 4:04 pm): Rollback: TABLED at GPC meeting: Need to know why ALEC 681 was eliminated-department not notified by system of change.

Angel Mario Carrizales (carri1214) (07/19/18 2:16 pm): Rollback: The program's current evaluation from Howdy is not attached. Also what courses can be used to meet the prescribe electives requirement?

Dawn Kerstetter (dkerstetter) (07/19/18 3:35 pm): Angel-is this how you need the course listed for each focus area. This is only one focus area--we need to complete the remaining area once we hear back from you

Angel Mario Carrizales (carri1214) (07/20/18 3:02 pm): Rollback: We don't have enough information to provide feedback on how the requirements should be listed. The layout of the table will depend on how many courses are listed and on how the electives are handled. Can a student only follow one focus area? Or Can they choose from multiple focus areas to arrive at 12 hrs.? We have made edits to the courses list submitted conform to how courses a generally displayed on programs that contain course list.

Angel Mario Carrizales (carri1214) (08/09/18 3:37 pm): Rollback: The lay out is good however additional discrepancies have been identified. Please address the following and resubmit. 1) The attached degree evaluation proof does not contain the "Foods Systems" focus area. 2) My previous question of "Can a student only follow one focus area? Or Can they choose from multiple focus areas to arrive at 12 hrs.?" has not been answered. 3) The initiator selected 100% for "% of Program a student can take off-campus or through Distance Education." therefore Distance Education forms are required. Required forms can be found on the Curricular Services website (<http://registrar.tamu.edu/Our-Services/Curricular-Services/Curricular-Approvals/Program-Approvals#1-DistanceEducationDegreePrograms>). They are listed under degree programs, but the same requirements apply to certificate programs. The required forms will depend on the method of distance delivery (online, off-campus face-to-face, or electronic-to-group).

Sandra Williams (sandra-williams) (11/27/18 4:12 pm): Rollback: Rolling back for attachments.

Angel Mario Carrizales (carri1214) (11/30/18 11:39 am): Edits made to conform to catalog style guidelines.

g-wingenbach (12/03/18 11:38 am): The pdf printout has these statements: Catalog Pages Using this Program International Agriculture and Resource Management - Certificate (<http://catalog.tamu.edu/graduate/colleges-schools-interdisciplinary/agriculture-life-sciences/interdepartmental/iarm-certificate>) The title and URL will change as a result of the certificate's proposed changes.

Angel Mario Carrizales (carri1214) (12/04/18 8:12 am): Previous concerns from curricular services are no longer applicable. The proposal presented now is different than what was reviewed in August 2018.

Angel Mario Carrizales (carri1214) (12/04/18 8:24 am): This proposal includes a request to offer the program via distance education delivery modes. Workflow has been adjusted to include the Provost review role.


Deena McConnell (djm) (01/23/19 3:55 pm): The implementation date on the paperwork submitted needs to be updated with the new implementation date of Fall 2020. This should be done before review/approval by Graduate Council. I discussed with Sandra Williams and she said she would follow-up rather than us rolling the request back.

Russell Ramirez (rramirez) (02/07/19 4:05 pm): Approved by GC pending requested updates to forms per Deena McConnell's comment.

Russell Ramirez (rramirez) (02/11/19 9:56 am): Attached new INAG DE form and INAG Online Delivery Proposal form as requested by Deena McConnell.

Detail Requirements

Gary Wingenbach
Nov 27, 2018 02:58 pm

 This is NOT an official evaluation.

Print Instructions

Program Evaluation

Limitation: Students must maintain a minimum 3.0 Program GPA for graduation purposes.

Limitation No more than 50% of courses required for the degree plan can be taken as Distance Education Courses for non-distance degree programs.

Program:	Cert-Intl Agri & Res Mg	Catalog Term:	Spring 2019 - College Station
Campus :	College Station	Evaluation Term :	Spring 2019 - College Station
College:	Agriculture & Life Sciences	Expected Graduation Date:	
Degree:	GR Certificate	Request Number:	2
Level:	Graduate	Results as of:	Nov 27, 2018
Majors:	Intl Agri & Resource Mgmt	Minors:	
Departments:	College of Ag. & Life Sciences	Concentrations:	

	Met	Credits Required	Used	Courses Required	Used
Total Required :	Yes	15.000	0.000		00
Program GPA :	Yes	0.00	0.00		
Overall GPA :	Yes	.00	0.00		
Other Course Information					
Transfer :			0.000		0
In Progress :			00.000		8
Unused :			15.000		5

This is NOT an official evaluation.

Area Certificate Coursework (15.000 credits) - Not Met:

Met	Condition Rule	Subject	Attribute	Term	Subject	Course Title	Attribute	Credits	Grade	Source
Low	High									
		Required	Required							
		Courses	Credits							
No		A.	ALEC or AGECE Focus Areas (6 hrs)							
			ALEC 610 Principles of Adult Education							
			ALEC 640 Methods of Technological Change							
			ALEC 644 Agri. Advisor in Dev. Nations							
			ALEC 645 Managing Agri. Dev. Projects							
			ALEC 646 Institutions Serving Agri. Dev. Nations							
			AGECE 604 Natural Resource Economics							
			AGECE 608 Economics of Conflict and Development							
			614 Global Food and Agribusiness Policy							
			AGECE 639 Comparative Global Standard in Food System							
			AGECE 652 Intl. Agribusiness Trade Analysis							
			AGECE 659 Ecological Economics							
No	AND	B.	Student's Major or Supporting Areas (6 hrs)							
			Includes all courses in rule A (noted above), and							
			ANSC 610 Applied Animal Ethology							
			ANSC 628 Animal Breeding							
			ANSC 637 Food Safety: Policy, Reg. & Issues							
			ANSC/NSFC 657 HACCP System							
			ANSC/NSFC 667 Ind. Processed Meat Operations DASC/							
			NSFC 606 Microbiology of Foods							
			ENTO 618 Medical & Vet Entomology							
			ENTO/GEOG 625 Landscape Ecology							
			ESSM 600 Prin. of Ecosystem Science & Mgt.							
			ESSM 622 Biogeochemistry of Terrestrial Ecosys.							
			ESSM 624 Terrestrial Ecosystems & Glob. Change							
			ESSM 676 Leadership & Mgt. of Environ. NGOs							
			INTA 608 Global Economy							
			INTA 616 Economic Dev. in China							
			INTA 625 Intl. Trade Policy Analysis							
			INTA 630 Intl. Economic Dev.							
			PSAA 603 NGO Mgt. in Intl. Settings							
			PSAA 636 Grant & Project Mgt. (Public/Nonprofit)							
			PSAA 674 Political Economy of Intl. Dev.							
			RPTS 646 Heritage Tourism							
			SCSC 613 Ethical Aspects of Intl. Agri. Systems							
			SCSC 620 Brazil Agri. & Food Production Systems							
			621 Intl. Agri. Research Centers-Mexico							
			SCSC 623 Nat. Res. & Agri. Sustainability-UK							
			SCSC 645 World Agri. & Intl. Plant Breeding							
			WFSC 605 Community Ecology							
			WFSC 624 Dynamics of Population							
			WFSC 639 Wildlife Ecotoxicology							

No AND

C. Capstone Experience (3 hrs)

1. Credit-bearing capstone experience with an international agriculture focus (e.g., ALEC or AGEC 685 Directed Studies; INAG adviser must approve the Directed Study plan prior to enrollment).
2. AGEC 613 International Agricultural Development Policy.

**DISTANCE EDUCATION
ELECTRONIC TO INDIVIDUALS (ONLINE DELIVERY) APPROVAL FORM**

Submitted by:

Texas A&M University
(Galveston, HSC, Qatar, School of Law)
Texas A&M University- Central Texas
Texas A&M University-Commerce
Texas A&M University-Corpus Christi
Texas A&M University-Kingsville
Texas A&M University-San Antonio

Texas A&M University-Texarkana
Texas A&M International University
Prairie View A&M University
Tarleton State University
West Texas A&M University

Distance Education: Electronic to Individuals (Online Delivery) Authorization Request

Please list the proposed degree and CIP code:

Degree: _____

CIP Code: _____

Type of Delivery:

100% Online

Fully Online (86-99%)

Hybrid/Blended (50-85%)

When is the effective date of the proposed program?

Effective Date: _____

*****Please note:** This proposed program cannot be advertised as an online delivered degree program until the A&M System Office of Academic Affairs has approved it and the Texas Higher Education Coordinating Board has been notified.

Summary of Proposal (Include Background Information and Rationale for the change.)

Financial Implications:

University: Request for Authorization

I recommend adoption of the following program:

“Having complied with all of the requirements of the Texas Higher Education Coordinating Board, _____ (University name) is hereby authorized to offer the _____(Degree) program by distance education, online (electronic to individuals) effective _____.

The Texas A&M University System Office of Academic Affairs finds that the program offering aforementioned is within the role and scope and capacity of the institution and will benefit students.

_____ (University name) certifies that the proposed distance delivery of the aforementioned program meets the criteria under Texas Administrative Code Chapter 4 Subchapter P regarding quality of the curriculum and courses; delivery of instruction; evaluation, training, supervision, and support of faculty; financial resources; and admission of and support services for students. The program is within the role and mission of the institution and in the Table of Programs. The institution will comply with the standards and criteria of the Commission on Colleges of the Southern Association of Colleges and Schools and will adhere to criteria outlined in *Principles of Good Practice for Degree and Certificate Programs and Courses Offered Through Distance Education.*”

Approval – University:

Signature

Date

University President: _____
Print name of President

Authorization: System

Approval – Texas A&M University System:

James R. Hallmark, Ph.D.
Vice Chancellor for Academic Affairs

Date



THE TEXAS A&M UNIVERSITY SYSTEM
DISTANCE EDUCATION PROGRAM PROPOSAL:
ELECTRONIC TO INDIVIDUALS (ONLINE) DELIVERY

(BACHELORS OR MASTERS PROGRAMS ONLY)

Directions: An institution shall use this form to propose an “existing” bachelor’s or master’s degree program they wish to be offered via electronic to individual (online) delivery.

This form must be completed and signed by the university president or chief academic officer.

Upon completion, attach the “Approval Form” and submit it to the A&M System Office of Academic Affairs at AA-AgendaItems@tamus.edu

Administrative Information

1. Institution: **Texas A&M University**
2. Program to be Offered (Include CIP code): **Graduate Certificate in International Agriculture (0107010005)**
3. Online Program Description – Describe the program and the educational objectives. Include the Type of Online Delivery: 100% Online, Fully Online (86%-99%) or Hybrid/Blended 50% - 85%)
The International Agriculture (INAG) Graduate Certificate helps students acquire specific knowledge and experience in international agriculture to increase their career competencies and workforce competitiveness. This 15-hour Certificate is offered using asynchronous delivery methods; students may complete courses online, providing flexibility for course completion. INAG courses are also offered in face-to-face, on campus classes, providing students with traditional study options, and a comparison group for programmatic assessment. Through the INAG Certificate, students acquire focused study and increased understanding in human capacity development and agricultural and natural resource economic trade and policy.
4. Administrative Unit – Identify where the program would fit within the organizational structure of the institution (*e.g., The Department of Electrical Engineering within the College of Engineering*).
Department of Agricultural Leadership, Education, and Communications
5. Proposed Implementation Date – Report the first semester and year that students would enter the program. **Fall Semester 2020**
6. Contact Person – Provide contact information for the person who can answer specific questions about the program.
Name: **Gary Wingenbach**
Title: **Professor**
E-mail: wingenbach@tamu.edu
Phone: **862-1507**

Format for Existing Bachelors or Masters Degree Program Electronic to Individual (Online Delivery) Request

Step One: For each of the following questions, include the requested information:

- What previously approved programs does your university offer, that are closely related to the new program and how are they related? **No closely related programs at TAMU.**
- (List the programs within your college/department that are already approved for online delivery.) **MAG, EdD; ALEC Certificates: Advanced Pedagogy in Agriculture, Agriculture eLearning Development, Extension Education, Leadership, Education, Theory, and Practice.**
- Will significant additional equipment or facilities be needed? If yes, explain. **No**
- Will significant additional financial resources be needed? If yes, explain. **No**
- Will a significant number of new courses be required? If yes, explain. **No**
- Will a significant number of new faculty members be required? If yes, explain. **No**
- Will significant additional library/learning resources be needed? If yes, explain. **No**
- What processes do you have in place that secures that a student registered for a distance education course is the same student who completes and receives credit for it? Explain. **Tools within eCampus, such as Examity and others will be used to verify/validate student identity and interactions with course materials.**

Step Two: For each of the following questions, include the requested information:

1. Program Administrative Oversight and Structure:
 - Identify the person and office directly responsible for the overall management of the offering. **Department of Agricultural Leadership, Education, and Communications**
2. Faculty Resources:
 - If the online program will result in additional students, how will faculty resources be provided, that is, hiring additional faculty, reallocating faculty resources from other programs, etc.? **No increases in faculty resources are expected because enrollment numbers in the INAG certificate will not exceed faculty capacity.**
3. Evaluation:
 - How will your institution monitor the quality of the program and student learning outcomes?
Graduates obtaining the INAG certificate will be asked to participate in follow-up assessments to determine the effectiveness of the certificate program.
 - Describe procedures for evaluation of the program and its effectiveness in the first five years of the program, including admission (**see following**) and retention rates (**100%**), program outcomes assessments (**program outcomes vary by course assessments**), placement of graduates (**placement varies**), changes of job market need/demand (N/A), ex-student/graduate surveys (**see following**), or other procedures (N/A).

Admission: Interested participants must complete these steps to earn the INAG:

1. Submit an INAG application online:

- a) Provide a rationale for seeking the INAG;
- b) Select two courses (6 hours) from the ALEC/AGEC course offerings;
- c) Select two courses (6 hours) from the student's major or supporting areas; and,
- d) Select one three-hour capstone experience.

ALEC or AGECE Focus Areas (6 hours):

ALEC 610 Principles of Adult Education	AGEC 604 Nat. Res. Economics
ALEC 640 Methods of Tech. Change	AGEC 608 Econ. of Conflict and Dev.
ALEC 644 Agri. Advisor in Dev. Nations	AGEC 614 Glob. Food and AgBus Policy
ALEC 645 Managing Agri. Dev. Projects	AGEC 639 Comp Glob. Std. in Food Sys
ALEC 646 Institutions Serving Agri. Dev. Nations	AGEC 652 Intl. AgBus Trade Analysis
	AGEC 659 Ecological Economics

Student's Major¹ or Supporting Areas² (6 hours):

ANSC 610 Applied Animal Ethology	INTA 630 Intl. Economic Dev.
ANSC 628 Animal Breeding	PSAA 603 NGO Mgt. in Intl. Settings
ANSC 637 Food Safety: Policy, Reg. & Iss.	PSAA 636 Grant & Project Mgt. (Public/Nonprofit)
ANSC/NSFC 657 HACCP System	PSAA 674 Political Economy of Intl. Dev.
ANSC/NSFC 667 Ind. Processed Meat Ops	RPTS 646 Heritage Tourism
DASC/NSFC 606 Microbiology of Foods	SCSC 613 Ethical Aspects of Intl. Agri. Sys.
ENTO 618 Medical & Vet Entomology	SCSC 620 Brazil Agri. & Food Prod. Sys.
ENTO/GEOG 625 Landscape Ecology	SCSC 621 Intl. Agri. Res. Centers-Mex
ESSM 600 Prin. of Eco. Science & Mgt.	SCSC 623 Nat. Res. & Agri. Sustain-UK
ESSM 622 Biogeochemistry of Terr. Eco.	SCSC 645 World Agri. & Intl. Plant Breed
ESSM 624 Terrestrial Eco. & Glob. Change	WFSC 605 Community Ecology
ESSM 676 Ldrship & Mgt. of Env. NGOs	WFSC 624 Dynamics of Population
INTA 608 Global Economy	WFSC 639 Wildlife Ecotoxicology
INTA 616 Economic Dev. in China	
INTA 625 Intl. Trade Policy Analysis	

Three-hour Capstone Experience:

-
- Credit-bearing capstone experience with an international agriculture focus (e.g., ALEC or AGECE 685 Directed Studies; INAG adviser must approve the Directed Study plan prior to enrollment)
 - AGECE 613 International Agricultural Development Policy

Program evaluations may include follow-up interviews, online surveys, and student and peer evaluations of the courses and the program.

- How would evaluations be carried out?
Evaluation may include follow-up interviews, online surveys, and student evaluations of the courses in the program.

Step Three: Complete, sign, and submit with proposal the "Texas Higher Education Coordinating Board Certification Form for Electronically Delivered Programs."

¹ Supporting areas include ALEC or AGECE courses; no more than 9 hours from one major apply to the INAG.

² New courses may be added to supporting areas after INAG Program Committee review and approval.

Student Name _____ **UIN** _____

Email _____

Department _____ **Major** _____ **Degree** _____

Required: six credit hours from ALEC/AGEC; six credit hours from student's major or supporting areas; and, a three-hour capstone experience.

Focus Area	Course	Title	Credits	Term	Grade
ALEC/AGEC (Two courses):					
	1.		3		
	2.		3		
Student's Major or Supporting Areas (Two courses):					
	1.		3		
	2.		3		
Capstone Experience (One course):					
	1.		3		
			Total	15	

ALEC or AGECE Focus Area (6 hours):

ALEC 610 Principles of Adult Education	AGEC 604 Natural Resource Economics
ALEC 640 Methods of Technological Change	AGEC 608 Economics of Conflict and Development
ALEC 644 Agri. Advisor in Dev. Nations	AGEC 614 Global Food and Agribusiness Policy
ALEC 645 Managing Agri. Dev. Projects	AGEC 639 Comparative Global Standard in Food System
ALEC 646 Institutions Serving Agri. Dev. Nations	AGEC 652 Intl. Agribusiness Trade Analysis
	AGEC 659 Ecological Economics

Student's Major¹ or Supporting Areas (6 hours):

ANSC 610 Applied Animal Ethology	INTA 625 Intl. Trade Policy Analysis
ANSC 628 Animal Breeding	INTA 630 Intl. Economic Dev.
ANSC 637 Food Safety: Policy, Reg. & Issues	PSAA 603 NGO Mgt. in Intl. Settings
ANSC/NSFC 657 HACCP System	PSAA 636 Grant & Project Mgt. (Public/Nonprofit)
ANSC/NSFC 667 Ind. Processed Meat Operations	PSAA 674 Political Economy of Intl. Dev.
DASC/NSFC 606 Microbiology of Foods	RPTS 646 Heritage Tourism
ENTO 618 Medical & Vet Entomology	SCSC 608 Intl. Agronomic Dev.
ENTO/GEOG 625 Landscape Ecology	SCSC 613 Ethical Aspects of Intl. Agri. Systems
ESSM 600 Prin. of Ecosystem Science & Mgt.	SCSC 620 Brazil Agri. & Food Production Systems
ESSM 622 Biogeochemistry of Terrestrial Ecosys.	SCSC 621 Intl. Agri. Research Centers-Mexico
ESSM 624 Terrestrial Ecosystems & Glob. Change	SCSC 623 Nat. Res. & Agri. Sustainability-UK
ESSM 676 Leadership & Mgt. of Environ. NGOs	SCSC 645 World Agri. & Intl. Plant Breeding
INTA 608 Global Economy	WFSC 605 Community Ecology
INTA 616 Economic Dev. in China	WFSC 624 Dynamics of Population
	WFSC 639 Wildlife Ecotoxicology

Capstone Experience (3 hours):

- Credit-bearing capstone experience with an international agriculture focus (e.g., ALEC or AGECE 685 Directed Studies; INAG adviser must approve the Directed Study plan prior to enrollment)
- AGECE 613 International Agricultural Development Policy

¹ Supporting areas include ALEC or AGECE courses, but no more than nine hours from one major may be used to satisfy the INAG.

Verified:

INAG Advisor (Program Committee Chair)

Date

ALEC Department Head or Associate Head

Date

AGEC Department Head or Associate Head

Date

AGLS Dean or Associate Dean

Date