

Program Change Request

Date Submitted: 10/04/18 8:05 am

Viewing: **BS-AGSM : Agricultural Systems Management - BS**

Last approved: 02/27/18 10:08 am

Last edit: 11/08/18 8:17 pm

Changes proposed by: ashleaschroeder

Catalog Pages Using this Program [Agricultural Systems Management - BS](#)

Contact(s)

Name	E-mail	Phone
Ashlea Schroeder	aschroeder@tamu.edu	979-845-0609

Academic level Undergraduate
 Effective Term 2019-2020
 Department Biological & Agricultural Eng
 College Agriculture & Life Sciences
 Program type Degree
 Degree designation BS - Bachelor of Science
 With a major in Agricultural Systems Mgmt (AGSM)
 Associated Program **Not Applicable**
 Catalog Program Title Agricultural Systems Management - BS
 CIP and Fund code 1010100

Rationale for Proposal
~~The Director of the AGSM Undergraduate program has reviewed MATH 140 (MATH 1324). Changes are being made to The students in the AGSM curriculum in regards to curriculum will be able to fulfill the prerequisites of several AGSM courses utilizing the content they will receive in either MATH 140 or course number changes within the university (ICD/CD course requirements).~~ **MATH 141** The AGSM curriculum committee has also reviewed the current curriculum, and has proposed changes to include removing ISTM 209 and making it a free elective/minor elective course, removing several required AGSM courses and creating a Directed Electives area, as well as updating prereqs, as needed.

Program hours 125
 Is this program eligible for financial aid? Yes
 Will program hours change (increase/decrease) due to the proposed curriculum changes? No
 Program delivery mode On-campus

In Workflow

- BAEN Department Head
- Curricular Services Review
- AG Committee Preparer UG
- AG Committee Chair UG
- AG College Dean UG
- UCC Preparer
- UCC Chair
- Faculty Senate Preparer
- Faculty Senate
- Provost II
- President
- Curricular Services

Approval Path

- 09/25/18 4:12 pm
Zivko Nikolov (znikolov): Approved for BAEN Department Head
- 09/25/18 4:56 pm
Sandra Williams (sandra-williams): Rollback to Initiator
- 09/26/18 10:53 am
Zivko Nikolov (znikolov): Approved for BAEN Department Head
- 10/03/18 5:48 pm
Angel Mario Carrizales (carr1214): Rollback to Initiator
- 10/04/18 1:07 pm
Zivko Nikolov (znikolov): Approved for BAEN Department Head
- 10/08/18 9:00 am
Angel Mario Carrizales (carr1214): Approved for Curricular Services Review
- 10/08/18 9:12 am
Dawn Kerstetter (dkerstetter): Approved for AG Committee Preparer UG
- 10/22/18 9:18 am
Bob Knight (bob-knight): Approved for AG Committee Chair UG
- 10/22/18 9:20 am
Dawn Kerstetter (dkerstetter): Approved for AG College Dean UG

10. 10/22/18 11:21 am
Sandra Williams
(sandra-williams):
Approved for UCC
Preparer
11. 11/05/18 2:56 pm
Sandra Williams
(sandra-williams):
Approved for UCC Chair

Catalog Program Requirements

History

1. Feb 27, 2017 by Ashlea Schroeder (ashleaschroeder)
2. Feb 27, 2018 by Ashlea Schroeder (ashleaschroeder)

Plan of Study Grid

		Semester Credit Hours
First Year		
Fall		
AGSM 125	Introduction to Agricultural Systems Management	1
AGSM 201	Agricultural Energy and Power Systems	3
CHEM 119	Fundamentals of Chemistry I	4
ENGL 104	Composition and Rhetoric	3
MATH 141	Finite Mathematics	3
or MATH 140	or Mathematics for Business and Social Sciences	
Government/Political science elective 1		3
Creative arts elective 1,2		3
MATH 140	Mathematics for Business and Social Sciences	3
or MATH 141	or Finite Mathematics	
Semester Credit Hours		14
Spring		
ISTM 209	Business Information Systems Concepts	3
CHEM 101	Course CHEM 101 Not Found	3
CHEM 111	Fundamentals of Chemistry Laboratory I	1
ECON 202	Principles of Economics	3
MATH 142	Business Calculus	3
Government/Political science elective 1		3
MMET 105	Engineering Graphics	2
POLS 206	American National Government	3
Language, philosophy and culture elective 1, 2		3
Free Elective 3,4		3
Semester Credit Hours		17
Second Year		
Fall		
ACCT 209	Survey of Accounting Principles 3	3
AGSM 301	Systems Analysis in Agriculture	3
ECON 202	Principles of Economics	3
COMM 203	Public Speaking	3
PHYS 201	College Physics	4
POLS 207	State and Local Government	3
ENGL 210	Technical and Business Writing	3
Semester Credit Hours		16
Spring		
ACCT 210	Survey of Managerial and Cost Accounting Principles	3
AGSM 360	Occupational Safety Management	3
ENGL 210	Technical and Business Writing	3
COMM 203	Public Speaking	3
ECON 203	Principles of Economics	3
Life and physical sciences elective 1		3
Select one of the following:		3
MGMT 209	Business, Government and Society 3	
MGMT 212	Business Law	

AGEC 344	Food and Agricultural Law 4	
Creative arts elective		3
Semester Credit Hours		15
Third Year		
Fall		
AGEC 330	Financial Management in Agriculture 3	3
or FINC 409	or Survey of Finance Principles	
Language, philosophy and culture elective 1,2		3
American history elective 1,2		3
AGSM 335	Water and Soil Management	3
AGSM 327	Technology for Environmental and Natural Resource Engineering	3
FINC 409	Survey of Finance Principles 3, 4	3
or AGEC 330	or Financial Management in Agriculture	
MGMT 309	Survey of Management 3, 4	3
or AGEC 340	or Agribusiness Management	
STAT 302	Statistical Methods	3
or STAT 303	or Statistical Methods	
American history elective 1, 2		3
AGSM Directed Elective 5		3
Semester Credit Hours		15
Spring		
AGSM 310	Agricultural Machinery Management	3
AGSM 315/NFSC 315	Food Process Engineering Technology	3
AGSM 325	Agri-Industrial Applications of Electricity	3
STAT 302	Statistical Methods	3
or STAT 303	or Statistical Methods	
Select one of the following:		3
AGEC 344	Food and Agricultural Law	-
MGMT 209	Business, Government and Society 3	-
MGMT 212	Business Law	-
AGSM 360	Occupational Safety Management	3
Life and physical sciences elective 1		3
Semester Credit Hours		15
Fourth Year		
Fall		
AGEC 315	Food and Agricultural Sales (or Technical elective) 5	3
MGMT 309	Survey of Management 3	3
or AGEC 340	or Agribusiness Management	
AGSM 403	Processing and Storage of Agricultural Products	3
AGSM 439	Management of Agricultural Systems I 6	3
AGSM 470	Agricultural Electronics and Control	3
Select one of the following:		3
AGSM 473	Project Management for Agricultural Systems Technology (Select one of the following)	
ESSM 351/REN 405	Geographic Information Systems for Resource Management	
REN 405/ESSM 351	Geographic Information Systems for Resource Management	
Technical elective 2,7		3
Semester Credit Hours		15
Spring		
AGSM 440	Management of Agricultural Systems II 6	3
Technical electives 2,5		6
MKTG 409	Principles of Marketing 3,4	3
or AGEC 314	or Marketing Agricultural and Food Products	
American history elective 1,2		3
AGSM Directed Elective 5		3
Technical elective 2,7		3
Technical elective 2,7		3
Semester Credit Hours		18
Total Semester Credit Hours		125

1 To be selected from the University Core Curriculum.

2The 3 hours of international and cultural diversity and 3 hours of cultural discourse courses, as required for graduation, may be met in the curriculum. Students may select Language, Philosophy, and Culture, Creative Arts, Technical Electives, or American History Electives that also meet the ICD/CD requirement.

3A minor in Business may be obtained by completing the noted courses, plus [ISTM 209](#). Each of these courses must be completed with a "C" or better.

4A minor in Agricultural Economics may be obtained by completed the noted courses, plus [AGEC 105](#). Each of these courses must be completed with a "C" or better.

5AGSM Directed Electives must be chosen from a specific list approved by the department.

6All undergraduate students must take at least two (2) specific courses in their major designated as writing intensive (W). This course is an approved W course.

7 Technical electives must be selected in consultation with the student's advisor and from the current list of approved electives published by the department.

A grade of C or better is required for all Common Body of Knowledge (CBK) courses; [ACCT 209](#), [AGSM 301](#), [CHEM 119](#), [CHEM 103](#), [CHEM 111](#), [ECON 202](#), [MATH 140](#), [MATH 141](#), [MATH 142](#) and [PHYS 201](#), or equivalents and senior capstone courses [AGSM 439](#) and [AGSM 440](#).

Additional information

Required Proposal Forms	<p>AGSM—add MATH 140.pdf</p> <p>PresidentApprovalFacultySenateItems121117.pdf</p> <p>AGSM deg eval edits.pdf</p> <p>AGSM 142 (2019).doc</p>
Reviewer Comments	<p>Sandra Williams (sandra-williams) (09/25/18 4:56 pm): Rollback: As requested.</p> <p>Angel Mario Carrizales (carri1214) (10/03/18 5:48 pm): Edits made to conform to catalog style guidelines.</p> <p>Angel Mario Carrizales (carri1214) (10/03/18 5:48 pm): Rollback: AGECE 315 is listed in the catalog but is crossed out on degree evaluation. Also, you can not have AGECE 315 or "technical elective" as an option (Fourth Year, Fall). Is AGECE 315 a requirement or Is it meant to be used a technical elective?</p> <p>Angel Mario Carrizales (carri1214) (10/05/18 5:19 pm): Initial concerns addressed.</p> <p>Sandra Williams (sandra-williams) (11/05/18 2:56 pm): UCC approved November 2018.</p>

Key: 14

**Agricultural Systems Management
UNOFFICIAL DEGREE PLAN**

STUDENT'S NAME: _____

Catalog 2019

STUDENT'S UIN: _____

DATE: _____

FACULTY ADVISOR'S NAME: _____

For students entering during the 2019-2020 university year. See undergraduate catalog for requirements and course descriptions. Foreign Language Requirements: 2 yrs. HS or 1 yr. College. Total credits required: 125

GR	COURSE	CR.	PREREQUISITE	GR	COURSE	CR	PREREQUISITE
FRESHMAN							
___	AGSM 125 (0-2)	1		___	Free Elective ^{3,4}	3	
___	AGSM 201 (2-2)	3		___	MMET 105 (0-6)	2	
___	ENGL 104 (3-0)	3		___	MATH 142 (3-0)	3	
___	MATH 140 (3-0)	3		___	POLS 206 (3-0)	3	
___	CHEM 119 (3-3)	4		___	Lang, Phil, & Cult ^{1,2}	3	
		14		___	ECON 202 (3-0)	3	
						17	
SOPHOMORE							
___	ACCT 209 ³ (3-0)	3		___	ACCT 210 (3-0)	3	ACCT 209
___	AGSM 301 (3-0)	3	MATH 140 and MATH 142	___	COMM 203 (3-0)	3	
___	POLS 207 (3-0)	3		___	ECON 203 (3-0)	3	ECON 202
___	PHYS 201 (3-3)	4		___	Creative Arts ^{1,2}	3	
___	ENGL 210 (3-0)	3	ENGL 104	___	AGEC 344 ⁴ (3-0)	or	U3/U4
		16		___	MGMT 209 ³ (3-0)	or	
				___	MGMT 212 (3-0)	3	
						15	
JUNIOR							
___	AGEC 330 ⁴ (3-0)	or	ECON 202, ACCT 209; U3/U4	___	AGSM 310 (2-2)	3	PHYS 201, AGSM 201, AGSM 301*
___	FINC 409 ³ (3-0)	3	U3/U4	___	AGSM 315 (2-2)	3	PHYS 201
___	AGEC 340 ⁴ (3-0)	or	U3/U4	___	AGSM 325 (2-2)	3	AGSM 201
___	MGMT 309 ³ (3-0)	3	U3/U4	___	AGSM 360 (3-0)	3	U3/U4
___	STAT 302 (3-0)	or	MATH 141	___	Life & Physical Sci ¹	3	
___	STAT 303 (3-0)	3	MATH 141			15	
___	AGSM Directed Elective ⁶	3					
___	Am. Hist. Elect ^{1,2}	3					
		15					
SENIOR							
___	Tech. Elective ^{2,5}	3		___	AGSM 440 ⁷ (W) (2-3)	3	AGSM 439, COMM 203
___	AGSM 403 (2-2)	3		___	AGEC 314 ⁴ (3-0)	or	U3/U4
___	AGSM 439 ⁷ (W) (3-0)	3	AGSM 310, 315	___	MKTG 409 ³ (3-0)	3	U3/U4
___	AGSM 470 (2-2)	3	ENGL 210, AGSM 301, 310, 325, 335*, 337*, 403*	___	AGSM Directed Elective ⁶	3	
___	AGSM 473 (3-0)	or	AGSM 325	___	Am. Hist. Elect ^{1,2}	3	
___	ESSM351/REN 405	3	AGSM 301	___	Tech. Elective ^{2,4,5}	3	
		15	U3/U4	___	Tech. Elective ^{2,5}	3	
						18	

* Must Co-Register

Total Degree Hours 125

ICD/CD²:

Notes: Grade Requirement: A grade of C or better is required for all Common Body Knowledge (CBK) courses (ACCT 209, AGSM 301, 439, 440, CHEM 119, ECON 202, MATH 140/141 & 142/151, and PHYS 201) or equivalents.

1. To be selected from the University Core Curriculum.
2. The 3 hours of international and cultural diversity and 3 hours of cultural discourse courses, as required for graduation, may be met in the curriculum. Students may select Language, Philosophy, and Culture, Creative Arts, Technical Electives, or American History Electives that also meet the ICD/CD requirement.
3. A minor in BUSI may be obtained by completing the noted courses, plus ISTM 209. Each of these courses must be completed with a "C" or better.
4. A minor in AGECEC may be obtained by completed the noted courses, plus AGECEC 105. Each of these courses must be completed with a "C" or better.
5. Technical electives must be selected in consultation with the student's advisor and from the current list of approved electives published by the department.
6. AGSM Directed Electives must be chosen from a specific list approved by the department.
7. All undergraduate students must take at least two (2) specific courses in their major designated as writing intensive (W). This course is an approved W course.

[Print](#)

Detail Requirements

Ashlea P. Schroeder
Sep 25, 2018 04:33 pm

Viewing: Degree Evaluation (DEGEVAL, , Email)
Change Student

Information for Degree Evaluation

This is NOT an official evaluation.

Print Instructions

Program Evaluation

Limitation Correspondence: No more than 12 hours of correspondence earned through an accredited institution may be used for an undergraduate degree.

Limitation Combination: Maximum combination of 18 hours of 481, 482, 485 and/or 491 courses may be used for an undergraduate degree.

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

Limitation Only one of the following will satisfy the requirements for a degree: GENE 301, GENE 302, GENE 315, and GENE 320.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 131, MATH 142, MATH 147, MATH 151, and MATH 171.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 140, MATH 141, and MATH 166.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 148, MATH 152, and MATH 172.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 221, MATH 251, and MATH 253.

Limitation Only one of the following will satisfy the requirements for a degree: MATH 304, MATH 309, MATH 311, and MATH 323.

Limitation Only one of the following will satisfy the requirements for a degree: STAT 301, STAT 302, and STAT 303.

Program :	BS AGSM	Catalog Term :	Fall 2018 - College Station
Campus :	College Station	Evaluation Term :	Fall 2018 - College Station
College :	Agriculture & Life Sciences	Expected Graduation Date :	
Degree :	Bachelor of Science	Request Number :	29
Level :	Undergraduate	Results as of :	Sep 25, 2018
Majors :	Agricultural Systems Mgmt	Minors :	
Departments :	Biological & Agricultural Eng	Concentrations :	

	Met	Credits	Courses	
		Required	Used	Required Used
Total Required :	No	125.000	0.000	0
Program GPA :	Yes	.00	.00	
Overall GPA :	No	2.00	.00	
Other Course Information				
Transfer :			0.000	0

This is NOT an official evaluation.

Area Major Coursework (40.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	AGSM	125	1hr											
No	AND	B.	AGSM	201	3hrs											
No	AND	C.	AGSM	301	3hrs											
			Must make a grade of 'C' or better.													
No	AND	D.	AGSM	310	3hrs											
No	AND	E.	AGSM	315	3hrs											
No	AND	F.	AGSM	325	3hrs											
No	AND	G.	AGSM	335	3hrs											
No	AND	H.	AGSM	337	3hrs											
No	AND	G	AGSM	360	3hrs											
No	AND	H	AGSM	403	3hrs											
No	AND	I	AGSM	439	3hrs											

Must make a grade of 'C' or better.

No AND **J** / **X** AGSM 440 3hrs

Must make a grade of 'C' or better.

No AND **K** / **X** AGSM 470 3hrs

No AND **L** / **X** AGSM Elective 3hrs

Select from AGSM 473; ESSM 351; RENR 405.

Advanced Computer Elective 3 hrs.

Total Credits and GPA 0.000 .00

M. AGSM Directed Electives 6 hrs.

unofficial evaluation

Select from AGSM 335; 337; 435; 477

32.00

Area Supporting Coursework (~~25.000~~ credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
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No A. MMET 105 2hrs
2 hours, see advisor for approved list.

~~No AND B. ISTM 209 3hrs~~

No AND **B** / **X** ACCT 209 3hrs
Must make a grade of 'C' or better.

No AND **C** / **X** ACCT 210 3hrs

No AND **D** / **X** Marketing Elect. 3hrs
Select from AGECE 314; MKTG 409.

No AND **E** / **X** Management Elect 3hrs
Select from AGECE 340; MGMT 309.

No AND **F** / **X** Business Law Rqmt 3hrs
Select from AGECE 344; MGMT 209, 212.

No AND **G** / **X** Financial Rqmt 3hrs
Select from AGECE 330; FINC 409.

~~No AND H. AGEC 315 3hrs~~

No AND **H** / **X** Technical Electives ~~3hrs~~ **9 hrs.**
Technical Electives must be 300/400 level courses related to AGSM.
See advisor for approved list.

No AND **I** / **X** Statistics Rqmt 3hrs
Select from STAT 302, 303.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Communication (9.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
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No A. ENGL 104

No AND B. ENGL 210

No AND C. COMM 203

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Mathematics (6.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
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No A. MATH 140 or MATH 141
Must make a grade of 'C' or better.

No AND B. MATH 142
Must make a grade of 'C' or better.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area Life and Physical Sciences (11.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Chemistry Rqmt 4hrs													
				Take CHEM 101 and 111. CHEM 119												
				Must make a grade of 'C' or better.												
No	AND	B.	PHYS 201													
				Must make a grade of 'C' or better.												
No	AND	C.	Science Elect 3hrs													
				Select from any course with the Life and Physical Sciences attribute [KLPS].												
														Total Credits and GPA	0.000	.00

unofficial evaluation

Area Language, Philosophy & Culture (3.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Lang, Phil, Culture Rqmt 3hrs													
				Select any course with the Language, Philosophy and Culture attribute [KLPC].												
														Total Credits and GPA	0.000	.00

unofficial evaluation

Area Creative Arts (3.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	Creative Arts Requirement 3hrs													
				Select three hours from any course with the Creative Arts attribute [KCRA].												
														Total Credits and GPA	0.000	.00

unofficial evaluation

Area Social and Behavioral Science (6.000 credits) - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	ECON 202													
				Must make a grade of 'C' or better.												
No	AND	B.	ECON 203													
														Total Credits and GPA	0.000	.00

unofficial evaluation

Area : Citizenship (12.000 credits) - Not Met

Description Completion of 4 semesters of Upper-Level ROTC may be substituted for 3 hours of American History and 3 hours of Political Science.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course	Title	Attribute	Credits	Grade	Source
No		A.	American History Rqmt 6hrs													
				Select from any course with the [KHIS] attribute.												
No	AND	B.	Political Science Rqmt 6hrs													

Take POLS 206 and POLS 207.

Area: General Elective (3 credits)

Total Credits and GPA 0.000 .00

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A. General Electives 3 hrs.

Select from any 100-499 course not used elsewhere

Area : **Work Not Applied - Met**
Description : See advisor for acceptable substitutions.

ISTM 209; ATEC 105; or

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.		Courses not applied												

Total Credits and GPA 0.000 .00

unofficial evaluation

Area **University Writing Requirement - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.		Writing Requirement												
Two courses required. Only sections of AGSM 439-440 with the Writing attribute [UWRT] may be used to satisfy this requirement.															

Total Credits and GPA 0.000 .00

unofficial evaluation

+ Cultural Discourse

Area **Int'l & Cult Diversity - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.		Int'l & Cultural Diversity				3 hrs								
Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).															

Total Credits and GPA 0.000 .00

B. Cultural Discourse 3 hrs

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Area **Foreign Language - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.		Foreign Language Rqmt												
Complete one of the following: 1. Two years of the same foreign language in High School. 2. A two semester sequence of the same foreign language for University credit.															

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : **Residence Requirement - Not Met**

Description : A minimum of 36 hours of 300-400 level coursework must be completed at Texas A&M University. 12 hours must be in the major field.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No	A.		Residence - Major				12hrs								
Select from AGSM 300-499.															
No	AND	B.	Residence 300-499				24hrs								
Select from any 300-400 level course at Texas A&M.															