

# Program Change Request

Date Submitted: 09/28/18 12:07 pm

Viewing: **BS-FIVS-LWE : Forensic and Investigative Sciences - BS, Pre-Law Emphasis**

Last approved: 02/27/17 5:04 pm

Last edit: 11/08/18 8:21 pm

Changes proposed by: ann-pool

Catalog Pages Using this Program [Forensic and Investigative Sciences - BS, Pre-Law Emphasis](#)

## In Workflow

1. **ENTO Department Head**
2. **Curricular Services Review**
3. **AG Committee Preparer UG**
4. **AG Committee Chair UG**
5. **AG College Dean UG**
6. **UCC Preparer**
7. **UCC Chair**
8. **Faculty Senate Preparer**
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services

## Contact(s)

Name	E-mail	Phone
Rebecca Hapes Ann-Pool	rhapes@tamu.edu annpool@tamu.edu	979-845-9733 979-845-0122

Academic level Undergraduate  
 Effective Term 2019-2020  
 Department Entomology  
 College Agriculture & Life Sciences  
 Program type Degree w/Concentration  
 Degree designation BS - Bachelor of Science  
 With a major in Forensic Investigative Science (FIVS)  
 Associated Program **Not Applicable**  
 With a concentration in Pre-Law Emphasis (LWE)

Catalog Program Title Forensic and Investigative Sciences - BS, Pre-Law Emphasis  
 CIP and Fund code 43010600

Rationale for Proposal  
**8.23.18 - CHEM numbering changes; changes to ICD and addition of cultural discourse Adding MATH 140 as an optional Math course for graduation**  
**Adding MATH 140 as an optional Math course for 1st year fall semester**

Program hours 120  
 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

## Approval Path

1. 09/21/18 4:07 pm  
Pete Teel (pteel): Approved for ENTO Department Head
2. 09/25/18 8:42 am  
Angel Mario Carrizales (carr1214): Rollback to Initiator
3. 09/25/18 1:59 pm  
Pete Teel (pteel): Approved for ENTO Department Head
4. 09/28/18 8:56 am  
Angel Mario Carrizales (carr1214): Rollback to Initiator
5. 09/28/18 2:38 pm  
Pete Teel (pteel): Approved for ENTO Department Head
6. 10/04/18 11:50 am  
Angel Mario Carrizales (carr1214): Approved for Curricular Services Review
7. 10/04/18 1:27 pm  
Dawn Kerstetter (dkerstetter): Approved for AG Committee Preparer UG
8. 10/05/18 9:49 am  
Bob Knight (bob-knight): Approved for AG Committee Chair UG
9. 10/05/18 9:57 am  
Dawn Kerstetter (dkerstetter): Approved for AG College Dean UG

## Catalog Program Requirements

10. 10/08/18 1:59 pm  
Sandra Williams  
(sandra-williams):  
Approved for UCC  
Preparer  
11. 11/05/18 3:10 pm  
Sandra Williams  
(sandra-williams):  
Approved for UCC Chair

### History

1. Feb 27, 2017 by  
Rebecca Hapes (rhapes)

### Course List

Code	Title	Semester Credit Hours
Forensic and Investigative Sciences Core Requirements		
<a href="#">FIVS 205</a>	Introduction to Forensic and Investigative Sciences	3
<a href="#">FIVS 308</a>	Forensic Implications of Inheritance	4
<a href="#">FIVS 316</a>	Biotechnology and Forensics	4
<a href="#">FIVS 401/SCSC 401</a>	Forensic Soil Science	3
<a href="#">FIVS 415</a>	Practice and Principles of Science and Law	3
<a href="#">FIVS 422</a>	Crime Scene Investigation	2
<a href="#">FIVS 431/ENTO 431</a>	The Science of Forensic Entomology	3
<a href="#">FIVS 432/ENTO 432</a>	Applied Forensic Entomology	1
<a href="#">FIVS 435</a>	Case Studies in Problem Solving 1	3
<a href="#">FIVS 481</a>	Seminar 1	1
<a href="#">FIVS 482</a>	Occupational and Professional Development	2
<a href="#">FIVS 484</a>	Professional Internship	2
or <a href="#">FIVS 491</a>	or Research	
Natural Science Core Requirements		
<a href="#">BIOL 111</a>	Introductory Biology I	8
& <a href="#">BIOL 112</a>	and Introductory Biology II	
<a href="#">CHEM 101</a>	<del>Course CHEM 101 Not Found</del>	<del>4</del>
& <a href="#">CHEM 111</a>	<del>and Fundamentals of Chemistry Laboratory I</del>	
<a href="#">CHEM 102</a>	<del>Course CHEM 102 Not Found</del>	<del>4</del>
& <a href="#">CHEM 112</a>	<del>and Fundamentals of Chemistry Laboratory II</del>	
<a href="#">CHEM 119</a>	<b>Fundamentals of Chemistry I</b>	<b>4</b>
<a href="#">CHEM 120</a>	<b>Fundamentals of Chemistry II</b>	<b>4</b>
<a href="#">CHEM 222</a>	Elements of Organic and Biological Chemistry	3
Select one of the following:		3
<a href="#">MATH 140</a>	Mathematics for Business and Social Sciences	
<a href="#">MATH 141</a>	Finite Mathematics	
<a href="#">MATH 166</a>	Topics in Contemporary Mathematics II	
Select one of the following:		3
<a href="#">MATH 131</a>	Mathematical Concepts—Calculus	
<a href="#">MATH 142</a>	Business Calculus	
<a href="#">PHIL 240</a>	Introduction to Logic	
<a href="#">PHYS 201</a>	College Physics	8
& <a href="#">PHYS 202</a>	and College Physics	
<a href="#">STAT 303</a>	Statistical Methods	3
Life Science Core Requirements		
<a href="#">AGLS 101</a>	Modern Agricultural Systems and Renewable Natural Resources	1
or <a href="#">FIVS 101</a>	or Introduction to Academic Success in Forensic Investigative Sciences	
<a href="#">BICH 303</a>	Elements of Biological Chemistry	3
Directed Electives		
Category 1		
Select one of the following:		3
<a href="#">AGEC 105</a>	Introduction to Agricultural Economics	
<a href="#">AGEC 315</a>	Food and Agricultural Sales	
<a href="#">AGEC 344</a>	Food and Agricultural Law	
<a href="#">AGEC 350</a>	Environmental and Natural Resource Economics	
<a href="#">AGEC 429</a>	Agricultural Policy	
<a href="#">ECON 202</a>	Principles of Economics	

Code	Title	Semester Credit Hours
<a href="#">ECON 322</a>	Applied Microeconomic Theory	
<a href="#">ECON 323</a>	Microeconomic Theory	
<a href="#">ECON 420</a>	Law and Economics	
<a href="#">ESSM 406</a>	Natural Resources Policy	
<a href="#">MGMT 209</a>	Business, Government and Society	
<a href="#">MGMT 212</a>	Business Law	
<a href="#">POLS 351</a>	Law and Legislation	
<a href="#">POLS 356</a>	Law, Politics and Policy 2	
<a href="#">PSYC 305</a>	Psychology of Adjustment	
<a href="#">SOC 211</a>	Sociology of Deviance	
<a href="#">SOC 314</a>	Social Problems	
<a href="#">URPN 361</a>	Urban Issues	
<a href="#">URPN 401</a>	Policy Implementation	
<a href="#">URPN 450</a>	Emergency Management Principles and Practices	
<a href="#">WFSC 303</a>	Fish and Wildlife Laws and Administration	

Category 2

Select one of the following: 3

<a href="#">ALED 340</a>	Survey of Leadership Theory
<a href="#">COMM 203</a>	Public Speaking
<a href="#">COMM 243</a>	Argumentation and Debate
<a href="#">COMM 305</a>	Theories of Communication
<a href="#">COMM 325</a>	Persuasion
<a href="#">COMM 443</a>	Communication and Conflict
<a href="#">PSYC 354</a>	Conflict and Negotiation
<a href="#">PSYC 371</a>	Forensic Psychology
<a href="#">SOC 304</a>	Criminology

Category 3

Select one of the following: 3

<a href="#">ALED 202</a>	Introduction to Leadership
<a href="#">ALED 301</a>	Personal Leadership Education
<a href="#">ALED 424</a>	Applied Ethics in Leadership
<a href="#">ALED 440</a>	Leading Change
<a href="#">FIVS 421</a>	Latent Print Processing
<a href="#">GENE 420</a>	Bioethics
<a href="#">HIST 447</a>	Law and Society in the United States through Reconstruction
<a href="#">PHIL 111</a>	Contemporary Moral Issues
<a href="#">PHIL 307</a>	Philosophy of the Social Sciences
<a href="#">PHIL 314</a>	Environmental Ethics
<a href="#">PHIL 315</a>	Military Ethics
<a href="#">PHIL 334</a>	Philosophy of Law
<a href="#">PHIL 480</a>	Medical Ethics
<a href="#">RENR 470</a>	Environmental Impact Assessment
<a href="#">SOC 445</a>	Sociology of Law

Additional 10 hours from any of the three categories of directed electives 10

University Core Curriculum Requirements

<a href="#">American history</a>	6
<a href="#">Government/Political science</a>	6
<a href="#">Communication</a>	6
<a href="#">Creative arts</a>	3
<a href="#">Language, philosophy and culture elective</a>	3
<a href="#">Social and behavioral science</a>	3

General Elective Requirement

General elective 3

Total Semester Credit Hours 120

1 This course fulfills a writing requirement. See Requirement for a Baccalaureate Degree section.

~~2 The Graduation requirements include a requirement for 6 hours of international and cultural diversity courses.~~

The Forensic and Investigative Sciences program requires students to earn a grade of C or better in all courses within the program curriculum.

**University Graduation Requirements:**

**Foreign Language (two years of the same language in high school OR one year/ two semester sequence in college)**

**Writing Intensive Courses (two courses designated W in major or one W and one C course in major)**

**International and Cultural Diversity Courses (three credit hours)**

**Cultural Discourse Course (three credit hours)**

Additional information Per Sandra Williams no letter of support is needed for MATH 140.

Required Proposal  
Forms

[Fall 2017\\_FIVS-LWE\\_math140addition.pdf](#)  
[PresidentApprovalFacultySenateItems121216.pdf](#)  
[CATALOG 142 LAW DEGREE EVALUATION.pdf](#)

Reviewer Comments

**Angel Mario Carrizales (carri1214) (09/25/18 8:42 am):** Rollback: Please address the following. 1)Remove documents that apply to the last submission. 2)Upload an edited degree evaluation reflecting the proposed curriculum changes for 2018-2019.

**Angel Mario Carrizales (carri1214) (09/28/18 8:56 am):** Rollback: Please address the following. 1) Remove documents and information that applied to the previous submission. 2) Footnote 2 is not attached to any entry in the course list. The information listed in the note is listed again in the paragraph below the footnote table. 3) CHEM 101, 102, 111, 112 will no longer be offered, please remove them from the evaluation. ( Listed as "OR")

**Angel Mario Carrizales (carri1214) (10/04/18 11:47 am):** Initial concerns addressed.

**Sandra Williams (sandra-williams) (11/05/18 3:10 pm):** UCC approved November 2018.

Key: 246

[Print](#)

# Detail Requirements

Ann L. Pool  
Sep 28, 2018 11:59 am

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

## Information for Degree Evaluation

This is NOT an official evaluation.

## Print Instructions

### Program Evaluation

**Minimum Grade Rqmt** A grade of 'C' or better required on all coursework.

**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.

<b>Program :</b>	BS FIVS - Pre-Law Emphasis	<b>Catalog Term :</b>	Fall 2018 - College Station
<b>Campus :</b>	College Station	<b>Evaluation Term :</b>	Fall 2018 - College Station
<b>College :</b>	Agriculture & Life Sciences	<b>Expected Graduation Date :</b>	
<b>Degree :</b>	Bachelor of Science	<b>Request Number :</b>	8
<b>Level :</b>	Undergraduate	<b>Results as of :</b>	Sep 28, 2018
<b>Majors :</b>	Forensic Investigative Science	<b>Minors :</b>	
<b>Departments :</b>	Entomology	<b>Concentrations :</b>	

FALL 2019

	Met Credits		Courses	
	Required	Used	Required	Used
<b>Total Required :</b>	No	120.000	0.000	0
<b>Program GPA :</b>	Yes	.00	.00	
<b>Overall GPA :</b>	No	2.00	.00	
<b>Other Course Information</b>				
<b>Transfer :</b>		0.000		0

This is NOT an official evaluation.

**Area :** Major Coursework ( 31.000 credits ) - Not Met  
**Description :** Minumum Grade Rqmt No grade below a 'C' is acceptable in all coursework.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	C
No		A.	FIVS 205	3hrs									
													Must make a grade of 'C' or better.
No	AND	B.	FIVS 308	4hrs									Must make a grade of 'C' or better.
No	AND	C.	FIVS 316	4hrs									Must make a grade of 'C' or better.
No	AND	D.	FIVS 401	3hrs									Must make a grade of 'C' or better.
No	AND	E.	FIVS 415	3hrs									Must make a grade of 'C' or better.
No	AND	F.	FIVS 431	3hrs									Must make a grade of 'C' or better.
No	AND	G.	FIVS 432	1hr									Must make a grade of 'C' or better.
No	AND	H.	FIVS 435	3hrs									Must make a grade of 'C' or better.
No	AND	I.	FIVS 422	2hrs									Must make a grade of 'C' or better.
No	AND	J.	FIVS 481	1hr									Must make a grade of 'C' or better.
No	AND	K.	FIVS 482	2hrs									Must make a grade of 'C' or better.
No	AND	L.	Internship/Research	2hrs									Must make a grade of 'C' or better.

Total Credits and GPA

unofficial evaluation

**Area :** Supporting Coursework ( 38.000 credits ) - Not Met

**Description :** Minimum Grade Rqmt No grade below a 'C' is acceptable in all coursework.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	C
No		A.	AGLS 101	1hr									OR FIVS 101 Must make a grade of 'C' or better.
No	AND	B.	BICH 303	3hrs									Must make a grade of 'C' or better.
No	AND	C.	Chemistry II	Rqmt	4hrs								Must make a grade of 'C' or better. Take CHEM 102, 112. CHEM 120
No	AND	D.	CHEM 222	3hrs									Must make a grade of 'C' or better.
No	AND	E.	PHYS 201	4hrs									Must make a grade of 'C' or better.
No	AND	F.	PHYS 202	4hrs									Must make a grade of 'C' or better.
No	AND	G.	Directed Elect	Cat I	3hrs								Must make a grade of 'C' or better. Select from AGECE 105, 315, 344, 350, 429; ECON 202, 322-323 420; MGMT 209, 212; PSYC 305-306; POLS 351-356; RENR 470; SOCI 211, 314, 445; URPN 361, 401, 450; WFSC 303; ESSM 406.
No	AND	H.	Direct Elect	Category II	3hrs								

No AND I. Must make a grade of 'C' or better. Select from ALED 340; COMM 203, 243, 305, 325, 443; PSYC 354, 371; SOCI 304.  
Direct Elect Category III 3hrs

No AND J. Must make a grade of 'C' or better. Select from ALED 202, 301, 340, 424, 440; FIVS 421; GENE 420 ; HIST 447; PHIL 111, 307, 314, 315, 334, 480.  
Direct Elect Choice 10hrs

Must make a grade of 'C' or better. Select from AGECE 105, 315, 344, 350, 429; ALED 202, 301, 340, 440, 424; COMM 203, 243, 305, 325, 443; ECON 202, 322, 323, 420; ESSM 406; FIVS 421; GENE 420; HIST 447; MGMT 209, 212; PHIL 111, 307, 314-315, 334, 480; POLS 351, 356; PSYC 305-306; RENR 470; SOCI 211, 304, 314, 445; URPN 361, 401, 450; WFSC 303.

Total Credits and GPA

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**Area : Communication ( 6.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						

No A. Communication Requirement 6hrs  
Select any courses with the Communication attribute [KCOM].

Total Credits and GPA 0.000

unofficial evaluation

**Area : Mathematics ( 9.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						

No A. Math Rqmt I 3hrs  
Select from MATH 140, 141, 166.  
Must make a grade of 'C' or better.

No AND B. Math Rqmt II 3hrs  
Select from MATH 131, 142; PHIL 240.  
Must make a grade of 'C' or better.

No AND C. STAT 303  
Must make a grade of 'C' or better.

Total Credits and GPA 0.000

unofficial evaluation

**Area : Life and Physical Sciences ( 12.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						

No A. BIOL 111 4hrs  
Must make a grade of 'C' or better.

No AND B. BIOL 112 4hrs  
Must make a grade of 'C' or better.

No AND C. Chemistry I Rqmt 4hrs  
Take CHEM ~~101, 111~~ 119  
Must make a grade of 'C' or better.

Total Credits and GPA 0.000

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
No	A.		Lang, Phil, Culture Rqmt	3hrs									
Select any course with the Language, Philosophy and Culture attribute [KLPC].													
Total Credits and GPA												0.000	

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
No	A.		Creative Arts Requirement	3hrs									
Select three hours from any course with the Creative Arts attribute [KCRA].													
Total Credits and GPA												0.000	

unofficial evaluation

**Area : Social and Behavioral Sciences ( 3.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
No	A.		Social Science Rqmt	3hrs									
Select from courses with the Social and Behavioral Science attribute [KSOC].													
Total Credits and GPA												0.000	

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
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.													
Total Credits and GPA													

unofficial evaluation

**Area : General Electives ( 3.000 credits ) - Not Met**

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits
No	A.		General Electives	3hrs									



Select from any course 100-499 not used elsewhere.  
Must make a grade of 'C' or better.

Total Credits and GPA 0.000

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**Area :** Work Not Applied - Met

**Description :** See advisor for acceptable substitutions.

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						

No		A.	Courses not applied											
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Total Credits and GPA

unofficial evaluation

**Area :** University Writing Requirement - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						

No		A.	Writing Requirement Two courses required. Only sections of FIVS 435, 481; UGST 491 with the Oral Communication attribute [UCRT] or the Writing attribute [UWRT] may be used to satisfy this requirement.											
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Total Credits and GPA 0.000

unofficial evaluation

**Area :** ICD & Foreign Language - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						

No		A.	Intern'l & Cult Diversity <del>3hrs</del> <b>3hrs ? CULTURAL DISCOURSE COURSE 3HRS</b> Select from <del>TEFB 273 or</del> any courses with the International and Cultural Diversity attribute [UICD] (except AGRO 489; ARCH 448; EURO 223, 323; JOUR 406; MODL 341-342; POLS 366; RUSS 341, 401; VTPB 221). Must make a grade of 'C' or better.											
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No	AND	B.	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.											
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**[UICD] ?**

Total Credits and GPA 0.000

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**Area :** Foreign Language - Not Met

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	Credits
							Credits	Courses						

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.											
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Total Credits and GPA 0.000

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	Required	Term	Subject	Course	Title	Attribute	C
							Credits	Courses						

No		A.	Residence - Major	12hrs											
			Select 12 hrs from FIVS 300-499. Courses must be completed at Texas A&M University.												

No	AND	B.	Residence Rqmt	300-499	24hrs										
			Select 24hrs from any 300-400 level course at Texas A&M University.												

Total Credits and GPA

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**Area : GPR-Major - Not Met**

**Description :** A minimum GPR of 3.000 is required in all major field of studies courses.

Met	Condition	Rule	Subject	Attribute	Low	High	Required	Required	Term	Subject	Course	Title	Attribute	C
							Credits	Courses						

No		A.	Major GPR	21+hrs											
			Includes FIVS 100-499.												

Total Credits and GPA

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