

# Program Change Request

Date Submitted: 10/23/18 4:38 pm

Viewing: **BS-CVEN-COE : Civil Engineering, BS - Coastal and Ocean Engineering Track**

Last approved: 04/30/18 1:35 pm

Last edit: 12/10/18 10:25 am

Changes proposed by: mhueste

Catalog Pages Using [Civil Engineering, BS - Coastal and Ocean Engineering Track](#)  
this Program

## Contact(s)

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Mary Beth D Hueste	<a href="mailto:mhueste@tamu.edu">mhueste@tamu.edu</a>	979-845-1940
Luciana R Barroso	<a href="mailto:lbarroso@tamu.edu">lbarroso@tamu.edu</a>	979-845-0290

Academic level Undergraduate  
 Effective Term 2019-2020  
 Department Civil Engineering  
 College Engineering  
 Program type Degree w/Concentration  
 Degree designation BS - Bachelor of Science  
 With a major in Civil Engineering (CVEN)  
 Associated Program **Not Applicable**  
 With a concentration in Coastal & Ocean Engr-CVEN (COE)

Catalog Program Title  
 Civil Engineering, BS - Coastal and Ocean Engineering Track

CIP and Fund code 14080100

## Rationale for Proposal

**Changes made to include one more SCH of W instruction in the sophomore year. 04.30.2018—edits made to program to remove OCNG 401 and OCEN 475 which have been inactivated effective Fall 2018.—sw**

Program hours 128  
 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

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

## Approval Path

1. 10/13/18 2:47 pm  
Robin Autenrieth (r-autenrieth): Approved for CVEN Department Head
2. 10/19/18 9:06 am  
Angel Mario Carrizales (carr1214): Rollback to Initiator
3. 10/19/18 3:58 pm  
Robin Autenrieth (r-autenrieth): Approved for CVEN Department Head
4. 10/22/18 3:48 pm  
Angel Mario Carrizales (carr1214): Approved for Curricular Services Review
5. 10/22/18 5:29 pm  
Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
6. 10/22/18 8:56 pm  
Prasad Enjeti (enjeti): Rollback to Initiator
7. 10/23/18 6:51 pm  
Robin Autenrieth (r-autenrieth): Approved for CVEN Department Head
8. 10/24/18 5:29 pm  
Angel Mario Carrizales (carr1214): Approved for Curricular Services Review
9. 11/17/18 8:19 am  
Eileen Hoy (ehoy):

## Catalog Program Requirements

- Approved for EN  
Committee Preparer UG
- 10. 11/18/18 11:34 am  
Prasad Enjeti (enjeti):  
Approved for EN  
Committee Chair UG
- 11. 11/18/18 12:02 pm  
Prasad Enjeti (enjeti):  
Approved for EN  
College Dean UG
- 12. 11/19/18 8:17 am  
Sandra Williams  
(sandra-williams):  
Approved for UCC  
Preparer
- 13. 12/10/18 2:47 pm  
Sandra Williams  
(sandra-williams):  
Approved for UCC Chair

### History

1. Mar 27, 2018 by Kelly  
Brumbelow  
(kbrumbelow)
2. Apr 30, 2018 by Sandra  
Williams (sandra-  
williams)

### Plan of Study Grid

		Semester Credit Hours
Second Year		
Fall		
<a href="#">CVEN 207</a>	Introduction to the Civil Engineering Profession	2
<a href="#">CVEN 221</a>	Engineering Mechanics: Statics	3
<a href="#">CVEN 250</a>	Introduction to Graphics and Visualization Applications in Civil Engineering Design	2
<a href="#">ENGR 217/PHYS 217</a>	Experimental Physics and Engineering Lab III - Electricity and Magnetism	2
<a href="#">MATH 251</a>	Engineering Mathematics III	3
<a href="#">PHYS 207</a>	Electricity and Magnetism for Engineering and Science	3
<a href="#">STAT 211</a>	Principles of Statistics I	3
	Semester Credit Hours	18
Spring		
<a href="#">CVEN 302</a>	Computer Applications in Engineering and Construction	3
<a href="#">CVEN 303</a>	Civil Engineering Measurement	3
<a href="#">CVEN 305</a>	Mechanics of Materials	3
<a href="#">CVEN 306</a>	Materials Engineering for Civil Engineers	3
<a href="#">ENGL 210</a>	Technical and Business Writing	3
or <a href="#">COMM 205</a>	or Communication for Technical Professions	
<a href="#">MATH 308</a>	Differential Equations	3
	Semester Credit Hours	18
Third Year		
Fall		
<a href="#">CVEN 311/EVEN 311</a>	Fluid Dynamics	3
<a href="#">CVEN 322</a>	Civil Engineering Systems	3
<a href="#">CVEN 345</a>	Theory of Structures	3
<a href="#">CVEN 363</a>	Engineering Mechanics: Dynamics	3
Technical elective 6		3
	Semester Credit Hours	15
Spring		
<a href="#">CVEN 399</a>	Mid-Curriculum Professional Development	0
<b>Select one of the following:</b>		<b>3</b>
<del><a href="#">BAEN 320</a></del>	<del>Engineering Thermodynamics</del>	<del>-</del>
<del><a href="#">CVEN 315</a></del>	<del>Sensor Technology for the Built Environment</del>	<del>-</del>
<del><a href="#">ECEN 215</a></del>	<del>Principles of Electrical Engineering</del>	<del>-</del>
<del><a href="#">MEEN 315</a></del>	<del>Principles of Thermodynamics</del>	<del>-</del>
Technical elective 6		12

<a href="#">University Core Curriculum</a> 3	3
Semester Credit Hours	15
Fourth Year	
Fall	
<a href="#">CVEN 424</a> Civil Engineering Professional Practice 7	2
Technical elective 6	11
<a href="#">University Core Curriculum</a> 3	3
Semester Credit Hours	16
Spring	
<del>ENGR 482/PHIL 482 Ethics and Engineering 7</del>	<del>3</del>
<b>PHIL 482/ENGR 482 Ethics and Engineering</b>	<b>3</b>
Technical elective 6	9
<a href="#">University Core Curriculum</a> 3	3
Semester Credit Hours	15
Total Semester Credit Hours	97

6A total of 35 hours of technical electives is required. Technical electives are divided into four categories: science courses, breadth courses, focus courses, and capstone design courses. The choice of courses to be taken in each of the four categories depends on the track chosen and must be made in consultation with the student's advisor and/or the Civil Engineering Undergraduate Student Services Office to ensure pre- and co-requisites are satisfied. Capstone design courses must include more than one civil engineering context.

7All students must take at least two courses in their major that are designated as writing intensive (W). [CVEN 207](#) and [CVEN 424](#) taken at Texas A&M satisfy this requirement. Other CVEN courses may be approved as W courses at a later date. A grade of C or better is required in these courses. A grade of C or better is required in all science, mathematics and engineering courses taken to satisfy degree requirements.

## Total Program Hours 128

### Coastal and Ocean Engineering Track - Technical Electives

Technical electives for the BS in Civil Engineering, Coastal and Ocean Engineering Track are composed of a SCIENCE course (3 semester credit hours), BREADTH courses (~~11~~ ~~10-11~~ semester credit hours), FOCUS courses (~~18~~ ~~16~~ semester credit hours), and a CAPSTONE DESIGN course (~~3~~ ~~2-4~~ semester credit hours), as delineated below, for a total of ~~35~~ ~~33~~ semester credit hours. A substitution for any course in the track must be approved in writing by the Civil Engineering Undergraduate Student Services Office.

Code	Title	Course List	Semester Credit Hours
SCIENCE Course (3 Semester Credit Hours Required)			
<a href="#">OCNG 410</a>	Physical Oceanography		3
Course List			
Code	Title		Semester Credit Hours
<del>BREADTH Courses (10-11 Semester Credit Hours) 1</del>			
<b>BREADTH Courses (11 Semester Credit Hours)</b>			
<a href="#">CVEN 365</a>	Introduction to Geotechnical Engineering		3
<a href="#">CVEN 444</a>	Structural Concrete Design		3
or <a href="#">CVEN 446</a>	or Structural Steel Design		
<a href="#">OCEN 410</a>	Ocean Engineering Laboratory		2
Choose 3 Semester Credit Hours From:			
<a href="#">CVEN 301/EVEN 301</a>	Environmental Engineering		
<a href="#">CVEN 339</a>	Water Resources Engineering		
<a href="#">CVEN 342</a>	Materials of Construction		
<a href="#">CVEN 343</a>	Portland Cement Concrete Materials for Civil Engineers		
<a href="#">CVEN 349</a>	Civil Engineering Project Management		
<del>OCEN 336</del>	<del>Fluid Dynamics Laboratory</del>		
Course List			
Code	Title		Semester Credit Hours
FOCUS Courses (18 Semester Credit Hours Required)			
<a href="#">OCEN 300</a>	Ocean Engineering Wave Mechanics		3
<a href="#">OCEN 481</a>	Seminar		1
<del>Choose 6 Semester Credit Hours From: 1</del>			
Choose 9 Semester Credit Hours From:			
<a href="#">OCEN 362</a>	Hydromechanics		
<a href="#">OCEN 400</a>	Basic Coastal Engineering		
<a href="#">OCEN 402</a>	Principles of Naval Architecture		
<a href="#">OCEN 403</a>	Dynamics of Offshore Structures		
<b>Choose 5 Semester Credit Hours From:</b>			
<a href="#">OCEN 400</a>	Basic Coastal Engineering		
<a href="#">OCEN 401</a>	Underwater Acoustics for Ocean Engineers		
<a href="#">OCEN 402</a>	Principles of Naval Architecture		
<a href="#">OCEN 403</a>	Dynamics of Offshore Structures		

Code	Title	Semester Credit Hours
<a href="#">OCEN 408</a>	Underwater and Moored System Design	
<a href="#">CVEN 336</a>	<b>Fluid Dynamics Laboratory</b>	
<a href="#">CVEN 402</a>	Engineered Environmental Systems	
<a href="#">CVEN 405</a>	Construction Management of Field Operations	
<a href="#">CVEN 423</a>	Geomatics for Civil Engineering	
<a href="#">CVEN 435</a>	Geotechnical Engineering Design	
<a href="#">CVEN 445</a>	Matrix Methods of Structural Analysis	
<a href="#">CVEN 450</a>	<b>AutoCAD in Civil Engineering</b>	
<a href="#">CVEN 458/EVEN 458</a>	Hydraulic Engineering of Water Distribution Systems	
<a href="#">CVEN 473</a>	Engineering Project Estimating and Planning	
<a href="#">CVEN 485</a>	<b>Directed Studies 1</b>	
<a href="#">CVEN 491</a>	<b>Research 1</b>	

Code	Title	Course List	Semester Credit Hours
<del>CAPSTONE DESIGN Course (2-4 Semester Credit Hours Required) 1</del>			
<b>CAPSTONE DESIGN Course</b>			
<a href="#">OCEN 407</a>	Design of Ocean Engineering Facilities II		3
or <a href="#">CVEN 400</a>	or Design Problems in Civil Engineering		
<b>1 Up to 2 hours of CVEN 485 or CVEN 491 may be used.</b>			
<del>1 The sum of semester credit hours for Breadth and Capstone Design courses must be at least 14.</del>			

Additional information ~~04.30.2018 — edits made to program to remove OCNG 401 and OCEN 475 which have been inactivated effective Fall 2018. —sw~~

Required Proposal Forms [BS CVEN Coastal Ocean 12-9-18.pdf](#)

Reviewer Comments

**Angel Mario Carrizales (carri1214) (10/19/18 9:06 am):** Rollback: Rule D and J of the additional coursework area is set up as variable credit. Rules in the degree evaluation cannot be variable. The courses listed under proposed RULE J are 3hrs each; however, the Rule has been listed as (3-4 hrs). To correct the discrepancy, please list RULE D as 2hrs and RULE J as 3hrs.

**Angel Mario Carrizales (carri1214) (10/22/18 3:48 pm):** Concerns from comments on 10/19/2018 have been addressed.

**Angel Mario Carrizales (carri1214) (10/22/18 3:48 pm):** We are moving the proposal forward; however, there are concerns regarding the Additional Coursework area in the degree evaluation. The change to CVEN 207 from 1 to 2 hours, has caused the department to reduce the number of elective hours. RULE H "Focus Elect II" of the additional coursework area requires 5hrs; however, all courses listed under the rule are 3-hour courses. In essence, a student will have to take 6 hours to meet this requirement. Which technically, looks like an increase to the overall program hours.

**Prasad Enjeti (enjeti) (10/22/18 8:56 pm):** Rollback: Please delete /ENGR 482

**Angel Mario Carrizales (carri1214) (12/10/18 10:25 am):** The department has added additional 1 SCH and 2 SCH course options to add flexibility for students and to address previous concerns. The proposal has been updated to include the course options, and an updated degree evaluation has been uploaded. Previous concerns have been addressed.

**Sandra Williams (sandra-williams) (12/10/18 2:47 pm):** Concerns addressed. Update received. UCC approved December 2018.

Key: 602

[Print](#)

# Detail Requirements

Marybeth Hueste  
Sep 24, 2018 03:16 pm

Viewing: Degree Evaluation (DEGEVAL, , Email)  
Change Student  
Return to Graduate Committee Student Selection

## 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.

<b>Program :</b>	BS CVEN-Coastal & Ocean Engr	<b>Catalog Term :</b>	Fall 2018 - College Station
<b>Campus :</b>	College Station	<b>Evaluation Term :</b>	Fall 2018 - College Station
<b>College :</b>	Engineering	<b>Expected Graduation Date :</b>	
<b>Degree :</b>	Bachelor of Science	<b>Request Number :</b>	46
<b>Level :</b>	Undergraduate	<b>Results as of :</b>	Sep 24, 2018
<b>Majors :</b>	Civil Engineering	<b>Minors :</b>	
<b>Departments :</b>	Civil Engineering	<b>Concentrations :</b>	

	Met	Credits	Required	Used	Courses	Required	Used
<b>Total Required :</b>	No	128.000	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 (13,000 credits) - Not Met  
**Description** Must have a grade of 'C' or better in all area coursework.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.	CVEN 207	2hrs											
No	AND	B.	CVEN 221	3hrs											
No	AND	C.	CVEN 302	3hrs											
No	AND	D.	CVEN 303	3hrs											
No	AND	E.	CVEN 305	3hrs											
No	AND	F.	CVEN 306	3hrs											
No	AND	G.	CVEN 311	3hrs											
No	AND	H.	CVEN 322	3hrs											
No	AND	I.	CVEN 345	3hrs											
No	AND	J.	CVEN 363	3hrs											
No	AND	K.	CVEN 424	2hrs											

9/24/2018

Detail Requirements

No	AND	L.	ENGR 102 2hrs
No	AND	M.	Exp Phys Engr Lab II 2hrs Select from ENGR 216; PHYS 216
No	AND	N.	CVEN 250 2hrs
No	AND	O.	<del>Engineering Rqmt 3hrs</del> Select from BAEN 220; CVEN 315; ECEN 215; MEEN 313.
No	AND	P.	CVEN 399 0hrs
No	AND	Q.	Exp Phys Engr Lab III 2hrs Select from ENGR 217; PHYS 217

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : Supporting Coursework ( 9.000 credits ) - Not Met  
Description Must have a grade of 'C' or better in all area coursework.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject Course Title	Attribute	Credits	Grade	Source
No		A.	MATH 308	3hrs										
No	AND	B.	MATH 251	3hrs										
No	AND	C.	STAT 211	3hrs										

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : Additional Coursework ( <sup>35</sup>13.000 credits ) - Not Met  
Description Must have a grade of 'C' or better in all area coursework.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject Course Title	Attribute	Credits	Grade	Source
No		A.	CVEN 365	3hrs										
No	AND	B.	Breadth Elect I	3hrs										
														SELECT FROM CVEN 301, 339, 342-343, 349, EVEN 301
No	AND	C.	Breadth Elect II	3hrs										SELECT FROM CVEN 444, 446.
No	AND	D.	Lab and Capstone Elect	3hrs										2 hrs SELECT FROM CVEN 406, OCEAN 376, 407, 410. OCEAN 410
No	AND	E.	OCEAN 300	3hrs										
No	AND	F.	OCEAN 481	1hr										
No	AND	G.	Focus Elect I	6hrs										9 hrs SELECT FROM OCEAN 400, 402-403, 362
No	AND	H.	Focus Elect II	6hrs										5 hrs SELECT FROM CVEN 402, 405, 423, 435, 445, 458, 473; OCEAN 362, 400-403, 408, 473
No	AND	I.	Science Elective	3hrs										OCEAN 400 or OCEAN 407 EVEN 458 ; CVEN 336 ; CVEN 450 ; Up to 2 each of CVEN 485 or CVEN 486

Total Credits and GPA 0.000 .00

J. Capstone Design (3hrs) (3hrs)  
CVEN 400 or OCEAN 407

unofficial evaluation

Area Communication ( 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.	Composition Rqmt	3hrs										
														Must have a grade of 'C' or better. Select from ENGL 103, 104.
No	AND	B.	Communication Rqmt	3hrs										Select from ENGL 210; COMM 205.

Total Credits and GPA 0.000 .00

unofficial evaluation

Area : Mathematics ( 8.000 credits ) - Not Met

Description : Must have a grade of 'C' or better in all area coursework.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No			A.	MATH 151											
No	AND		B.	MATH 152											
Total Credits and <u>GPA</u>													0.000	.00	

unofficial evaluation

Area : Life and Physical Sciences ( 10.000 credits ) - Not Met

Description : Must have a grade of 'C' or better in all area coursework.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No			A.	CHEM 107 and 117	4hrs										
No	AND		B.	PHYS 206	3hrs										
No	AND		C.	PHYS 207	3hrs										
Total Credits and <u>GPA</u>													0.000	.00	

unofficial evaluation

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

Description : Must have a grade of 'C' or better in all area coursework.

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No			A.	<del>ENGR 482</del> PHIL 482											
Total Credits and <u>GPA</u>													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											
Total Credits and <u>GPA</u>													0.000	.00	

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	Grade	Source
No		A.	Social Science Reqmt	3hrs											
Total Credits and <u>GPA</u>													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.								
													Total Credits and <u>GPA</u>	0.000	.00	

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**Area :** Work Not Applied - Met

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

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 <u>GPA</u>	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. Must make grade of 'C' or better. Only sections of CVEN 424; <del>ENGR 482</del> ; <del>ENIL 482</del> with the Writing attribute [UWRT] may be used to satisfy this requirement. <b>CVEN 207</b>								
													Total Credits and <u>GPA</u>	0.000	.00	

unofficial evaluation

**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	6hr				Select from courses with the International and Cultural Diversity attribute [UICD] (except sections of BUSN 289 with the UWRT attribute).								
													Total Credits and <u>GPA</u>	0.000	.00	

unofficial evaluation

**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 <u>GPA</u>	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 CVEN 300-499.												
No	AND	B.	Residence 300-499 24hrs Select any courses level 300-499.												
												Total Credits and GPA	0.000	.00	

unofficial evaluation

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

Met	Condition	Rule	Subject	Attribute	Low	High	Required Credits	Required Courses	Term	Subject	Course Title	Attribute	Credits	Grade	Source
No		A.	Major GPR 38+hrs Includes: BAEN 320; CVEN 100-499; ECEN 215; <del>ENGR 111, 212</del> ; 482; MEEN 315, 363; OCEAN 200-499; <del>PHIL 487</del> .												
												Total Credits and GPA	0.000	.00	

ENGR 102, 216, 217  
PHYS 216, 217

unofficial evaluation

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