

Program Change Request

Date Submitted: 10/18/18 10:57 pm

Viewing: **BS-CPSC : Computer Science - BS**

Last approved: 04/10/18 8:44 am

Last edit: 11/08/18 8:03 pm

Changes proposed by: furuta

Catalog Pages Using
this Program

[Computer Science - BS](#)

Contact(s)

Name	E-mail	Phone
Sheila Dotson	dotson@tamu.edu	979-845-6176
Richard Furuta	furuta@cse.tamu.edu	979-845-4849

Academic level	Undergraduate
Effective Term	2019-2020
Department	Computer Science & Engineering
College	Engineering
Program type	Degree
Degree designation	BS - Bachelor of Science
With a major in	Computer Science (CPSC)
Associated Program	Not Applicable
Catalog Program Title	Computer Science - BS
CIP and Fund code	11070100

Rationale for Proposal

The proposed change reflects changes **requested** by the College of Engineering **as well as corrections due to a routine curriculum review.** ~~the Engineering Common First Year. It also requests some changes that reflect agreement by the College to allow CPSC to use PHIL 382 as an alternative for ENGR/PHIL 482 (assuming approval as an LPC class) and bookkeeping changes to the courses allowed for University Writing Credit and High Impact Engineering credit.~~

Program hours	126
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

Catalog Program Requirements

In Workflow

1. **CSCE 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. 10/16/18 6:03 am
Scott Schaefer (schaefer): Approved for CSCE Department Head
2. 10/18/18 3:42 pm
Angel Mario Carrizales (carri1214): Rollback to Initiator
3. 10/18/18 10:56 pm
Richard Furuta (furuta): Rollback to Initiator
4. 10/18/18 11:11 pm
Richard Furuta (furuta): Approved for CSCE Department Head
5. 10/22/18 3:27 pm
Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
6. 10/22/18 5:28 pm
Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
7. 10/22/18 9:04 pm
Prasad Enjeti (enjeti): Approved for EN Committee Chair UG
8. 10/23/18 10:07 am
Prasad Enjeti (enjeti): Approved for EN College Dean UG
9. 11/06/18 9:17 am
Sandra Williams (sandra-williams): Approved for UCC Preparer
10. 12/10/18 10:50 am
Terra Bissett (t.bissett):

History

1. Feb 13, 2017 by Shelia Dotson (smilingsheila)
2. Apr 10, 2018 by Richard Furuta (furuta)

Plan of Study Grid

Second Year

Fall Semester Credit Hours

CSCE 121	Introduction to Program Design and Concepts	14
CSCE 181	Introduction to Computing 1	1
CSCE 222/ECEN 222	Discrete Structures for Computing 1	3
MATH 304	Linear Algebra 1	3
General elective 6		1
Science elective 6,7		4
	Semester Credit Hours	16

Spring

CSCE 221	Data Structures and Algorithms 1	4
CSCE 312	Computer Organization 1	4
CSCE 314	Programming Languages 1	3
Select one from:		3
COMM 203	Public Speaking	
COMM 205	Communication for Technical Professions	
ENGL 210	Technical and Business Writing	
Concentration area elective 8		3
	Semester Credit Hours	17

Third Year

Fall

CSCE 313	Introduction to Computer Systems 1	4
CSCE 315	Programming Studio 1	3
CSCE 481	Seminar 1	1
STAT 211	Principles of Statistics I	3
University Core Curriculum	3	3
Concentration area elective 8		3
	Semester Credit Hours	17

Spring

CSCE 411	Design and Analysis of Algorithms	3
Select one from: 1		3
MATH 251	Engineering Mathematics III	
MATH 302	Discrete Mathematics	
MATH 308	Differential Equations	
Computer science elective	9	6
Science elective 7		3
High Impact Experience 10		0
CSCE 399	High-Impact Experience	
	Semester Credit Hours	15

Fourth Year

Fall

Computer science elective	9	9
University Core Curriculum	3	3
Concentration area elective 8		3
	Semester Credit Hours	15

Spring

CSCE 482	Senior Capstone Design 1	3
ENGR 482/PHIL 482 Ethics and Engineering		3
Computer science elective	9	3
University Core Curriculum	3	6
Concentration area elective 8		3
	Semester Credit Hours	15
	Total Semester Credit Hours	95

6 If the student takes [ENGR 217/PHYS 217](#) and [PHYS 207](#), the 3 hours of [PHYS 207](#) go towards the science requirement along with 1 hour of [ENGR 217/PHYS 217](#). The other hour of [ENGR 217/PHYS 217](#) can be used as general elective.

- 7 See advisor for list of acceptable science courses.
- 8 The concentration area should be chosen only after consultation with a departmental advisor who will help the student arrange a program appropriate to his or her plans following graduation. Students should file a degree plan before taking minor courses to ensure their use in the degree plan.
- 9 Computer science electives are to be selected from tracks. See advisor for list of acceptable course choices.
- 10 All students are required to complete a high-impact experience in order to graduate. The list of possible high-impact experiences is available in the CSCE advising office.

Total Program Hours 126

Additional information	I have attached a new version of the degree evaluation that omits mention of PHYS 208. The proposal and degree evaluation have been updated in response to Angel's comments. With regards to LPC approval for PHIL 382, the course currently is in the Core Curriculum committee. Additional note: resubmitted after checking the pdf and again after addressing the remaining newly identified discrepancies. Resubmitted a third time after removing the first year and changing CHEM 119 references back to CHEM 101/111 and 120 references to 102/112.
Required Proposal Forms	2018-epsc-dp.pdf 012218PresidentApprovalMemo.pdf cpssc-degree-evaluation-2019-updated-scan.pdf
Reviewer Comments	Angel Mario Carrizales (carri1214) (10/18/18 3:42 pm): Rollback: PHYS 208 is listed in the Life and Physical Science Area (RULE C). Per the College of Science, PHYS 208 will no longer be offered. Should this course be removed from the evaluation? Richard Furuta (furuta) (10/18/18 10:56 pm): Rollback: Rollback to add a comment Angel Mario Carrizales (carri1214) (10/22/18 3:27 pm): Initial concerns addressed. Terra Bissett (t.bissett) (12/10/18 10:50 am): UCC approved December 2018.

Key: 560

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 43+hrs													
								Select from CSCE 100-499. Must maintain a GPR of 2.000 in all courses taken.							

Total Credits and GPA 0.000 .00

unofficial evaluation

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