

Curriculum Revision Form

Effective Date: FALL 2026 Submission Date: 9/5/25

Department: Mathematics and Physics

College of: Arts & Sciences

Contact Person: Tim Flood

Minor Required? No

Revision

Major/Minor/Emphasis/Certification Name:

Bachelor of Science in Computer Science

If selection is "Deletion" complete questions 2, 3, & 4, then complete signatures.

Revision to Curriculum – REQUIRES ACADEMIC PLANNING EXCEL ATTACHED.

Used to change program name and/or curriculum, effective the upcoming academic catalog.

Removes Major/Minor/Emphasis/Certificate from upcoming catalog.

1. Describe ALL Changes:

Add the option of CS 200 (already legislated) to the DSIS 230 requirement

Add the option of CS 250 (already legislated) to the DSIS 240 requirement

Add the option of CS 235 (currently submitted) to the EET 141 and 244 requirement

Adjust the number of General Electives for the change above

2. Rationale for change, including changes to curriculum objectives:

As the program grows, we have developed Computer Science course option to accommodate the increasing student demand

3. Will this change affect any education majors? *If "yes," this requirement will need approval of the Council for Teacher Education before upload to " College Curriculum Legislation" in SharePoint.*

☐

Yes

☒

No

4. If this change affects any other department on campus, **please attach all email notifications between departments.**

5. Does the revision meet University catalog definitions for majors, minors, emphases, and certificates as appropriate?

☒ Yes ☐ No

6. Will additional resources or costs will be required?

☐ Yes ☒ No

If so, what will be needed?

Definition of an Emphasis

Area of Emphasis is a specific subject area that exists within an approved degree program and major. At Pittsburg State University a minimum of 12 credit hours and no more than 24 credit hours are expected for an area of emphasis in a baccalaureate degree program.

Definition of a Minor

Minors at Pittsburg State University may range from 15 to 24 credit hours. When selected to accompany a degree that requires a minor there must be at least nine unique credit hours in the minor that are not found in the student's major in order to meet graduation requirements. In instances where the major requires a minor (not the degree type), academic departments/schools may specify minors that best achieve the learning objective for their students.

Definition of Certificate Program

A certificate program can be undergraduate or graduate in course content and provides a specific body of knowledge for personal or career development or professional continuing education. Certificates may be taken while also pursuing a degree or independent from any other studies at Pittsburg State University. It is recommended that if the student is only pursuing a certificate and not in conjunction with a degree and wishes to apply for federal financial assistance that they visit with personnel in the Student Financial Assistance office regarding the eligibility for aid for the certificate of interest. At Pittsburg State University a certificate can range from 12 credit hours to 24 credit hours.

Authorization Sign-Off Sheet

Checklist: Check once verified.

☒	Program guide from current catalog.
☒	Academic Planning Excel attached.
☒	120 Credit hours met.
☒	Course Id's match Course names.
☒	Course hours are correct.
☐	Listed courses are currently active.
☒	Needed Documentation attached.

-Approved: Department Chair/Director

Date: 9/5/25

Signature: _____

[Signature]

-Approved: College Curriculum Committee

Date: 10/7/25

Signature: _____

Christopher Childers

-Approved: Dean of College

Date: 10/7/25

Signature: _____

Christopher Childers

-Approved: Council for Teacher Education (if applicable)

Date: _____

Signature: _____

-Approved: University Undergraduate Curriculum Committee

Date: _____

Signature: _____

-Approved: Faculty Senate

Date: _____

Signature, Recorder Faculty Senate: _____

Following final College Curriculum Committee approval, please apply the appropriate signatures, and send them to your College Administrator.

Originating Department: After completing this form, please upload it to the SharePoint, within the appropriate College folder, "Preliminary Legislation", to allow for review and questions. Any modifications should be saved as "original file name.v2.pdf" and uploaded as well.

Bachelor of Science in Computer Science

Degree: Bachelor of Science

Major: Computer Science

General Education Requirements

General Education requirements consist of 34-35 credit hours of course work.

Required Math Gateway Course, seek advisement.

MATH-113 College Algebra

Or

Math-110 College Algebra with Review

Core Requirements, 35 hours

- ___ DSIS-230 Introduction to Programming (3 hours)
- ___ DSIS-240 Intermediate Programming (3 hours)
- ___ DSIS-380 Systems Analysis and Design (3 hours)
- ___ DSIS-615 Database Management (3 hours)
- ___ CS-405 Principles of Software Architecture (3 hours)
- ___ EET-141 Introductory Electronics (3 hours)
- ___ EET-244 Logic Circuits (3 hours)
- ___ MATH-122 Plane Trigonometry (3 hours)
- ___ MATH-212 Matrix Algebra (2 hours)
- ___ MATH-326 Mathematics for Programming (3 hours)
- ___ MATH-413 Introduction to Mathematical Structures (3 hours)
- ___ MATH-626 Data Structures and Algorithms (3 hours)

Select 18 hours from:

- ___ CS-300 Web Application Development I (3 hours)
- ___ CS-305 Web Application Development II (3 hours)
- ___ CS-400 Mobile Application Development (3 hours)
- ___ CS-410 Introduction to Front End Frameworks (3 hours)
- ___ CS-500 Advanced Programming (3 hours)
- ___ EET-344 Microcomputer Systems (3 hours)
- ___ EET-449 Programmable Logic Devices (3 hours)
- ___ EET-549 Advanced Microcontrollers (3 hours)
- ___ EET-647 Digital Signal Processing (3 hours)
- ___ MATH-513 Discrete Structures (3 hours)
- ___ PHYS-302 Scientific Programming with Python (3 hours)

**32-33 hours Electives, selected with
advisement, to meet 120 hour requirement.**

Make sure to attach the program guide from current catalog! (For Revised Curriculum)

<https://www.pittstate.edu/registrar/catalog>

Academic Planning Document for 2025-2026			
Major/Emphasis/Minor/Certificate -			
Course Prefix	Course Num.	Course Name	Cr. Hr.
Core Courses -			32
DSIS	230	Introduction to Programming	
		OR	3
CS	200	Programming 1	
DSIS	240	Intermediate Programming	
		OR	3
CS	250	Programming 2	
DSIS	380	Systems Analysis and Design	3
DSIS	615	Database Management	3
CS	405	Principles of Software Architecture	3
EET	141	Introductory Electronics	
		AND	
EET	244	Logic Circuits	
		OR (3 or 6 hours)	3
CS	235	Introduction to Low-Level Programming	
MATH	122	Plane Trigonometry	3
MATH	212	Matrix Algebra	2
MATH	326	Mathematics for Programming	3
MATH	413	Introduction to Mathematical Structures	3
MATH	626	Data Structures and Algorithms	3
Support Courses -			35
		General Electives (32 or 35 hours)	35
Emphasis Courses -			0
Elective Courses -			18
		18 hours chosen from	
CS	300	Web Application Development I	
CS	305	Web Application Development II	
CS	400	Mobile Application Development	
CS	410	Introduction to Front End Frameworks	
CS	500	Advanced Programming	
EET	344	Microcomputer Systems	
EET	449	Programmable Logic Devices	
EET	549	Advanced Microcontrollers	
EET	647	Digital Signal Processing	
MATH	513	Discrete Structures	
PHYS	302	Scientific Programming with Python	
Total Credit Hours -			85

Minor -

General Education, 34-35 hours - 35

Total Credit Hours: 120

Be sure all information is correct and courses are active before submitting.

Curriculum Revisions **REQUIRE** a program guide from the current catalog, 24/25.

Your legislation will be returned if either is found.

DO NOT SAVE AS PDF, Leave in Excel worksheet format!