PREPARED: 10/19/23 - 10:58 AM 110004774
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REQUESTED: ESBS---CSCIGENS *CATALOG YEAR:* 20217
BS in Computer Science - General Computer Science Specialty Area

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THIS EVALUATION IS PROVIDED FOR ADVISEMENT; IT IS NOT AN OFFICIAL RECORD. PLEASE REPORT ANY ADDITIONS OR CORRECTIONS TO YOUR ACADEMIC ADVISOR.

THIS ANALYSIS ASSUMES SUCCESSFUL COMPLETION OF ALL COURSE WORK CURRENTLY IN PROGRESS.

Program: CUSPG, ENGRU, CSCI-BS, GENS

AT LEAST ONE REQUIREMENT HAS NOT BEEN SATISFIED

NO College of Engineering - General Information

EARNED: *62.0 HOURS*
IN PROGRESS *17.0 HOURS*
NEEDS: *41.0 HOURS*

- **MINIMUM HOURS**

A minimum of 120 applicable hours are required.

62.0 *HOURS ADDED*

IN-P ---> 17.0 *HOURS*

Term	Course	Credits	Grade		Title
FA21	CS 1150	3.0	A		Principles of Computer Scienc
FA21	ENGL1308	4.0	A		Rhetoric and Writing I - SAI
FA21	GPS 1010	3.0	A		Baseball:PlayLikeChampionToda
FA21	MATH1040	4.0	B		College Algebra
SP22	CS 1450	3.0	A-		Data Structures and Algorithm
SP22	CS 2060	3.0	B		Programming with C
SP22	ENTP1000	3.0	A		Intro to Entrepreneurship
SP22	INOV1010	3.0	A		The Innovation Process
SP22	MATH1060	3.0	A		Trigonometry
SU22	MATH1350	4.0	B		Calculus I
FA22	ACCT2010	3.0	B+		Intro to Financial Accounting
FA22	CHEM1401	4.0	B+		General Chemistry I
FA22	CHEM1402	1.0	A		General Chemistry Lab I
FA22	CS 2080	3.0	A-		Programming with UNIX
FA22	ECON1010	3.0	A		Introduction to Microeconomic
SP23	BLAW2010	3.0	A		Bus/Intellectual Property Law
SP23	CS 2160	3.0	A-		Comp Org & Assembly Language
SP23	CS 3060	3.0	A		Object Oriented Progr with C+
SP23	INOV2010	3.0	A		INOV Team: Analyze & Report
SP23	MATH2150	3.0	C		Discrete Mathematics
FA23	CS 3050	1.0	***		Soc and Eth Impl of Computing
FA23	CS 3160	3.0	***		Concepts of Program Languages
FA23	CS 3300	3.0	***		Intro to Software Engineering
FA23	ENGR3040	3.0	***		Engineering Ethics
FA23	MATH1360	4.0	***		Calculus II
FA23	TCID2090	3.0	***		Tech Writing & Presentation

NEEDS: *41.0 HOURS*

+ **UNIVERSITY OF COLORADO GPA**

Once a student has been admitted to the College of Engineering, a minimum 2.0 CU GPA must be maintained. Students with a GPA below a 2.0 risk academic probation or suspension from the College of Engineering.

62.0 *ATTEMPTED HOURS* 223.4 *POINTS* 3.603 *GPA*

Term	Course	Credits	Grade	Title
FA21	CS 1150	3.0	A	Principles of Computer Scienc
FA21	ENGL1308	4.0	A	Rhetoric and Writing I - SAI
FA21	GPS 1010	3.0	A	Baseball:PlayLikeChampionToda
FA21	MATH1040	4.0	B	College Algebra
SP22	CS 1450	3.0	A-	Data Structures and Algorithm
SP22	CS 2060	3.0	B	Programming with C
SP22	ENTP1000	3.0	A	Intro to Entrepreneurship
SP22	INOV1010	3.0	A	The Innovation Process
SP22	MATH1060	3.0	A	Trigonometry
SU22	MATH1350	4.0	B	Calculus I
FA22	ACCT2010	3.0	B+	Intro to Financial Accounting
FA22	CHEM1401	4.0	B+	General Chemistry I
FA22	CHEM1402	1.0	A	General Chemistry Lab I
FA22	CS 2080	3.0	A-	Programming with UNIX
FA22	ECON1010	3.0	A	Introduction to Microeconomic
SP23	BLAW2010	3.0	A	Bus/Intellectual Property Law
SP23	CS 2160	3.0	A-	Comp Org & Assembly Language
SP23	CS 3060	3.0	A	Object Oriented Progr with C+
SP23	INOV2010	3.0	A	INOV Team: Analyze & Report
SP23	MATH2150	3.0	C	Discrete Mathematics
FA23	CS 3050	1.0	***	Soc and Eth Impl of Computing
FA23	CS 3160	3.0	***	Concepts of Program Languages
FA23	CS 3300	3.0	***	Intro to Software Engineering
FA23	ENGR3040	3.0	***	Engineering Ethics
FA23	MATH1360	4.0	***	Calculus II
FA23	TCID2090	3.0	***	Tech Writing & Presentation

NEEDS: *2.000 GPA*

COURSE PREREQUISITES

Course prerequisites are strictly enforced in the College of Engineering. Course prerequisites can be found when clicking on the course link in the requirements listed throughout this audit.

PASS/FAIL HOURS

Courses can only be taken as Pass/Fail if the courses are taken as Humanities/Social Science or Open Electives.

+ **INDEPENDENT STUDY RESTRICTIONS**

Only 3 hours of Independent Study may count towards the degree.

REPEAT COURSES
When repeating a course, the new grade will NOT replace the former grade. Both grades will be averaged into any GPA calculations.
NOTE: Starting spring 2022, UCCS adopted a Grade Forgiveness policy. If a course is repeated under this policy, the most recent grade will replace the former grade for GPA calculation purposes. Up to 15 credit hours of eligible undergraduate coursework may be repeated. See the Office of the Registrar website for full details: registrar.uccs.edu/uccs-grade-forgiveness

REQUIRED ADVISING
> Students with declared majors must be advised by their faculty advisor prior to each spring and fall registration.
> Undecided and Engineering Intent students must be advised by an Engineering Advisor.

QUESTIONS?
If you have questions about this degree audit, contact your Academic Advisor.

IP College of Engineering - Residency

EARNED: *34.0 HOURS*

	Term	Course	Credits	Grade	Title
+	FA21	CS 1150	3.0	A	Principles of Computer Scienc
	FA21	ENGL1308	4.0	A	Rhetoric and Writing I - SAI
	FA21	GPS 1010	3.0	A	Baseball:PlayLikeChampionToda
	FA21	MATH1040	4.0	B	College Algebra
	SP22	CS 1450	3.0	A-	Data Structures and Algorithm
	SP22	CS 2060	3.0	B	Programming with C
	SP22	ENTP1000	3.0	A	Intro to Entrepreneurship
	SP22	INOV1010	3.0	A	The Innovation Process
	SP22	MATH1060	3.0	A	Trigonometry
	SU22	MATH1350	4.0	B	Calculus I
	FA22	ACCT2010	3.0	B+	Intro to Financial Accounting
	FA22	CHEM1401	4.0	B+	General Chemistry I
	FA22	CHEM1402	1.0	A	General Chemistry Lab I
	FA22	CS 2080	3.0	A-	Programming with UNIX
	FA22	ECON1010	3.0	A	Introduction to Microeconomic
	SP23	BLAW2010	3.0	A	Bus/Intellectual Property Law
	SP23	CS 2160	3.0	A-	Comp Org & Assembly Language
	SP23	CS 3060	3.0	A	Object Oriented Progr with C+
	SP23	INOV2010	3.0	A	INOV Team: Analyze & Report
	SP23	MATH2150	3.0	C	Discrete Mathematics
	FA23	CS 3050	1.0	***	Soc and Eth Impl of Computing
	FA23	CS 3160	3.0	***	Concepts of Program Languages
	FA23	CS 3300	3.0	***	Intro to Software Engineering
	FA23	ENGR3040	3.0	***	Engineering Ethics
	FA23	MATH1360	4.0	***	Calculus II
	FA23	TCID2090	3.0	***	Tech Writing & Presentation

NO Compass Curriculum

COMPASS CURRICULUM

The Compass Curriculum is the campus-wide general education required of all UCCS students in order to graduate. Complete all Compass Curriculum requirements.

NOTE: Many Compass Curriculum requirements will fulfill requirements for your degree program. Explore courses will not double count with Major Requirements. Please see your academic advisor for details.

\+ **GATEWAY PROGRAM SEMINAR**

GPS 1010 Gateway Program Seminar

NOTE: Transfer students may be able to fulfill this requirement without taking GPS 1010. See your advisor for details.

Term	Course	Credits	Grade	Title
FA21	GPS 1010	3.0	A	Baseball:PlayLikeChampionToda

\+ **EXPLORE - PHYSICAL & NATURAL WORLD**

Complete 3 credit hours from the Physical and Natural World courses listed below.

NOTE: Courses taken to fulfill this requirement also will count towards the Basic Science requirement.

Term	Course	Credits	Grade	Title
FA22	CHEM1401	4.0	B+	General Chemistry I

\+ **EXPLORE - ARTS, HUMANITIES AND CULTURES**

Complete 3 credit hours from the Arts, Humanities and Cultures courses listed below.

NOTE: Courses taken to fulfill this requirement also will count towards the Humanities/Social Science requirement.

3.0 *HOURS ADDED*

Term	Course	Credits	Grade	Title
SP22	INOV1010	3.0	A	The Innovation Process

\+ **EXPLORE - SOCIETY, BEHAVIOR AND HEALTH**

Complete 3 credit hours from the Society, Behavior and Health courses listed below.

NOTE: Courses taken to fulfill this requirement also will count towards the Humanities/Social Science requirement, except MGMT 3300 or MKTG 3000 which will count towards the Technical Electives.

3.0 *HOURS ADDED*

Term	Course	Credits	Grade	Title
SP22	ENTP1000	3.0	A	Intro to Entrepreneurship

+ **NAVIGATE**

Complete one of the Navigate courses listed below.
NOTE: The Navigate course may double count with other requirements for your degree program.

Term	Course	Credits	Grade	Title
FA23	ENGR3040	3.0	***	Engineering Ethics

- **SUMMIT**

Complete CS 4300 which is required for your major.

+ **INCLUSIVENESS**

Complete one of the courses listed below.
NOTE: The Inclusiveness course can double count with any other requirement.

Term	Course	Credits	Grade	Title
SP22	INOV1010	3.0	A	The Innovation Process

+ **SUSTAINABILITY**

Complete one of the courses listed below.
NOTE: The Sustainability course can double count with any other requirement.

Term	Course	Credits	Grade	Title
SP22	ENTP1000	3.0	A	Intro to Entrepreneurship

+ **UPPER-DIVISION WRITING INTENSIVE COURSE**

Complete one of the courses listed below.
NOTE: The upper-division Writing Intensive course may double count with any other requirement.

Term	Course	Credits	Grade	Title
FA23	CS 3050	1.0	***	Soc and Eth Impl of Computing

+ **WRITING INTENSIVE COURSE**

Complete one additional UNUSED Writing Intensive course from the courses listed below.
NOTE: The Writing Intensive course can double count with any other requirement.

Term	Course	Credits	Grade	Title
SP23	INOV2010	3.0	A	INOV Team: Analyze & Report

NO Computer Science - Core

EARNED: *18.0 HOURS*
IN PROGRESS *7.0 HOURS*
NEEDS: *14.0 HOURS*

+ **COMPUTER SCIENCE GPA**

A minimum GPA of 2.0 must be maintained on all courses taken in Computer Science.

NOTE: GPA does not include any course lower than CS 1120.

18.0 *ATTEMPTED HOURS* 66.3 *POINTS* 3.683 *GPA*

Term	Course	Credits	Grade	Title
FA21	CS 1150	3.0	A	Principles of Computer Scienc
SP22	CS 1450	3.0	A-	Data Structures and Algorithm
SP22	CS 2060	3.0	B	Programming with C
FA22	CS 2080	3.0	A-	Programming with UNIX
SP23	CS 2160	3.0	A-	Comp Org & Assembly Language
SP23	CS 3060	3.0	A	Object Oriented Progr with C+
FA23	CS 3050	1.0	***	Soc and Eth Impl of Computing
FA23	CS 3160	3.0	***	Concepts of Program Languages
FA23	CS 3300	3.0	***	Intro to Software Engineering

NEEDS: *2.000 GPA*

+ **CS 1150** Principles of Computer Science

Term	Course	Credits	Grade	Title
FA21	CS 1150	3.0	A	Principles of Computer Scienc

+ **CS 1450** Data Structures and Algorithms

Term	Course	Credits	Grade	Title
SP22	CS 1450	3.0	A-	Data Structures and Algorithm

+ **CS 2060** Programming with C

Term	Course	Credits	Grade	Title
SP22	CS 2060	3.0	B	Programming with C

+ **CS 2080** Programming with UNIX

Term	Course	Credits	Grade	Title
FA22	CS 2080	3.0	A-	Programming with UNIX

+ **CS 2160** Computer Organization and Assembly Language Programming

Term	Course	Credits	Grade	Title
SP23	CS 2160	3.0	A-	Comp Org & Assembly Language

+ **CS 3050** Social and Ethical Implications of Computing

Term	Course	Credits	Grade	Title
FA23	CS 3050	1.0	***	Soc and Eth Impl of Computing

+ **CS 3020** Advanced Object Technology Using C#/.NET

OR

CS 3060 Object-Oriented Programming Using C++

OR

CS 3080 Python Programming

Term	Course	Credits	Grade	Title
SP23	CS 3060	3.0	A	Object Oriented Progr with C+

+ **CS 3160** Concepts of Programming Languages

Term	Course	Credits	Grade	Title
FA23	CS 3160	3.0	***	Concepts of Program Languages

\+ **CS 3300** Software Engineering

Term	Course	Credits	Grade	Title
FA23	CS 3300	3.0	***	Intro to Software Engineering

\- **CS 4200** Computer Architecture I.
SELECT FROM: CS 4200

\- **CS 4220** Computer Networks
SELECT FROM: CS 4220

\- **CS 4300** Advanced Software Engineering
SELECT FROM: CS 4300

\- **CS 4500** Operating Systems I
SELECT FROM: CS 4500

\- **CS 4720** Design and Analysis of Algorithms
SELECT FROM: CS 4720

EXIT INTERVIEW
All Computer Science students must complete an Exit Interview during their final semster.

NO Computer Science - General Computer Science Specialty Area

\- **COMPUTER SCIENCE ELECTIVES**
Complete 4 upper-division (3000+ level) CS courses. At least 2 of the courses must be 4000-level or higher.
NEEDS: *4 COURSES*

NO Computer Science - Mathematics

EARNED: *7.0 HOURS* *3 SUB-GROUPS*
IN PROGRESS *4.0 HOURS*
NEEDS: *6.0 HOURS* *2 SUB-GROUPS*

COMPUTER SCIENCE - REQUIRED MATHEMATICS
Complete the required courses below.
NOTE 1: Math courses will require a grade of "C" or better to progress through the Math sequence.
NOTE 2: If you complete the courses below and they do not add up to 17 credit hours, see an Engineering advisor.

\+ **MATH 1350** Calculus I

Term	Course	Credits	Grade	Title
SU22	MATH1350	4.0	B	Calculus I

+ **MATH 1360** Calculus II

Term	Course	Credits	Grade	Title
FA23	MATH1360	4.0	***	Calculus II

- **CS 2020** Introduction to Statistics for Data Analytics
  OR
  MATH 3810 Introduction to Probability and Statistics
  SELECT FROM: CS 2020 OR MATH3810

+ **CS 2150** Discrete Structures
  OR
  MATH 2150 Discrete Math

Term	Course	Credits	Grade	Title
SP23	MATH2150	3.0	C	Discrete Mathematics

- **CS 2300** Computational Linear Algebra
  OR
  MATH 3130 Introduction to Linear Algebra
  SELECT FROM: CS 2300 OR MATH3130

NO Computer Science - Basic Science

BASIC SCIENCE
Complete one of the Basic Science sequences listed below.

- **CHEMISTRY**
  Complete the courses listed below.

2 COURSES TAKEN

Term	Course	Credits	Grade	Title
FA22	CHEM1401	4.0	B+	General Chemistry I
FA22	CHEM1402	1.0	A	General Chemistry Lab I

NEEDS: *2 COURSES*
SELECT FROM: CHEM1411,1412

- OR) **PHYSICS**
  Complete the courses listed below.
  NEEDS: *3 COURSES*
  SELECT FROM: PES 1110,1120,1160

NO Computer Science - Core Writing Requirement

+ **ENGL 1310** Rhetoric & Writing I
  OR
  ENGL 1410 Rhetoric & Writing II

Term	Course	Credits	Grade	Title
FA21	ENGL1308	4.0	A	Rhetoric and Writing I - SAI

\+ **TCID 2090** Technical Writing & Presentation

Term	Course	Credits	Grade	Title
FA23	TCID2090	3.0	***	Tech Writing & Presentation

\- **PORT 3000** Writing Portfolio Assessment

• Enroll after at least 60 credit hours are completed
• Best to complete this during the junior year or start of the senior year
• Submit 2-3 papers written in previous courses
• Scored by faculty raters on a pass/fail basis
• This is not a class and has no meeting times
• Students who do not pass may re-enroll in PORT 3000, or pass ENGL 3010 or TCID 3080 with a C- or better
• Begin preparing for the Portfolio at any time. Visit the webpage for more information: compasscurriculum.uccs.edu/curriculum/writing-portfolio

SELECT FROM: PORT3000 OR ENGL3010 OR TCID3080

NO Computer Science - Open Electives

\- **OPEN ELECTIVES**

Complete 25 hours to fulfill the total hours and upper-division requirements for your degree.
NOTE 1: Only 3 hours of Computer Science courses numbered below CS 1150 can count towards the degree.
NOTE 2: Math courses numbered below MATH 1350 cannot count towards the degree.

18.0 *HOURS ADDED*

IN-P ---> 3.0 *HOURS*

Term	Course	Credits	Grade	Title
SP22	ENTP1000	3.0	A	Intro to Entrepreneurship
SP22	INOV1010	3.0	A	The Innovation Process
FA22	ACCT2010	3.0	B+	Intro to Financial Accounting
FA22	ECON1010	3.0	A	Introduction to Microeconomic
SP23	BLAW2010	3.0	A	Bus/Intellectual Property Law
SP23	INOV2010	3.0	A	INOV Team: Analyze & Report
FA23	ENGR3040	3.0	***	Engineering Ethics

NEEDS: *4.0 HOURS*

WORK NOT APPLIED TO THIS PROGRAM

The following courses are either not eligible to apply towards your degree program, are not needed for the degree program, or are in excess of required general electives. If you have questions about the courses in this section, please contact an Academic Advisor in Main Hall 208.

2.0 *HOURS ADDED*

Term	Course	Credits	Grade	Title
FA21	MATH1040	4.0	B	College Algebra
SP22	MATH1060	3.0	A	Trigonometry

LEGEND
Explanation of Symbols and Grades used on Audit:

*** = Registered
>M = Metro course, not in GPA
>N = Repeated, no credit
>R = Repeated
>S = Hours split
>V = Composite Grade from a many-to-one transfer equivalency
>X = Course Repetition (UCB only), not in GPA
>Z = Course taken as a Graduate Non-Degree Seeking student
>G = Grade Forgiveness, opt-in
>E = Grade Forgiveness, not in GPA
>F = Fresh Start (UCD only), not in GPA, counts for credit
T* = Transfer Grade
Q* = CU to CU Composite Grade

Incompletes (I) are In-Progress until completed, repeated,
or changed to an F (if not completed within one year).

Course History

* FA2021

(14.0 *HOURS TAKEN)* 4 *COURSES TAKEN* 3.714 *GPA*

Term	Course	Credits	Grade	Title
FA21	CS 1150	3.0	A	Principles of Computer Scienc
FA21	ENGL1308	4.0	A	Rhetoric and Writing I - SAI
FA21	GPS 1010	3.0	A	Baseball:PlayLikeChampionToda
FA21	MATH1040	4.0	B	College Algebra

* SP2022

(15.0 *HOURS TAKEN)* 5 *COURSES TAKEN* 3.740 *GPA*

Term	Course	Credits	Grade	Title
SP22	CS 1450	3.0	A-	Data Structures and Algorithm
SP22	CS 2060	3.0	B	Programming with C
SP22	ENTP1000	3.0	A	Intro to Entrepreneurship
SP22	INOV1010	3.0	A	The Innovation Process
SP22	MATH1060	3.0	A	Trigonometry

* SU2022

(4.0 *HOURS TAKEN)* 1 *COURSE TAKEN* 3.000 *GPA*

Term	Course	Credits	Grade	Title
SU22	MATH1350	4.0	B	Calculus I

* FA2022

(14.0 *HOURS TAKEN)* 5 *COURSES TAKEN* 3.586 *GPA*

Term	Course	Credits	Grade	Title
FA22	ACCT2010	3.0	B+	Intro to Financial Accounting
FA22	CHEM1401	4.0	B+	General Chemistry I
FA22	CHEM1402	1.0	A	General Chemistry Lab I
FA22	CS 2080	3.0	A-	Programming with UNIX
FA22	ECON1010	3.0	A	Introduction to Microeconomic

* SP2023

(15.0 *HOURS TAKEN)* 5 *COURSES TAKEN* 3.540 *GPA*

Term	Course	Credits	Grade	Title
SP23	BLAW2010	3.0	A	Bus/Intellectual Property Law
SP23	CS 2160	3.0	A-	Comp Org & Assembly Language
SP23	CS 3060	3.0	A	Object Oriented Progr with C+
SP23	INOV2010	3.0	A	INOV Team: Analyze & Report
SP23	MATH2150	3.0	C	Discrete Mathematics

* FA2023

(0.0 *HOURS TAKEN)* 0 *COURSES TAKEN*

IN-P ---> 17.0 *HOURS* 6 *COURSES TAKEN*

Term	Course	Credits	Grade	Title
FA23	CS 3050	1.0	***	Soc and Eth Impl of Computing
FA23	CS 3160	3.0	***	Concepts of Program Languages
FA23	CS 3300	3.0	***	Intro to Software Engineering
FA23	ENGR3040	3.0	***	Engineering Ethics
FA23	MATH1360	4.0	***	Calculus II
FA23	TCID2090	3.0	***	Tech Writing & Presentation

********** END OF ANALYSIS **********