

Audit Date 10 Feb 2026, 12:56 am				
Goal Type	Honors	Student Program Status	Degree Checkout Status	Expected Grad Date
2023-2024, Bachelor of Science, Computer Science (BS), Human-Computer Interaction CS-BS (Subplan)	N	Active in Program	None	2026-2027 Spring

79%

Important

The My Academic Path (MAP) degree audit system is the University's central advising tool to support students and staff in tracking degree progress. The MAP system is used to confirm a student's completion of program requirements and support the awarding of degrees. While MAP helps you track your progress toward graduation, Axess remains the official system of record for your academic information. If you identify a discrepancy between your official transcript in Axess and MAP please contact your advisor or [submit a help ticket](#).

Undergraduate Degree(s)

CLASSES43UNITS154GPA3.699

180 units required.

135 units completed.

19 units in progress.

26 units needed.

Up to 8 units of Activity classes may apply.

0 activity units completed.

0 activity units in progress.

Up to 36 units in classes taken for a CR or S grade may apply.

8 CR or S units completed.

3 CR or S units in progress.

The minimum cumulative GPA for this requirement is 2.000. Your GPA in these classes is 3.699.

A maximum of 45 quarter units of approved transfer credit and/or other external exam credit may be applied toward your undergraduate degree.

This GPA in this section represents your cumulative GPA.

2023-2024 General Education

CLASSES11UNITS43GPA3.911

Ways

CLASSES9UNITS35GPA3.891

A maximum of 5 transfer courses may be applied to the Ways requirements.

11 classes required.

Way-A-II: Aesthetic and Interpretive Inquiry

CLASSES1UNITS3GRADE4.000

Exactly 2 classes required. You need 1 more of these classes.

All courses must be a minimum of 3 units.

All courses must be taken for a letter grade, unless only offered S/NC.

CLASS

TERMUNITSGRADE

COLLEGE 101 - Why College? Your Education and the Good Life<sup>R</sup>

AU/233A

Way-AQR: Applied Quantitative Reasoning

CLASSES1UNITS5GRADE4.000

Exactly 1 class required.

All courses must be a minimum of 3 units.

All courses must be taken for a letter grade, unless only offered S/NC.

CLASS

TERMUNITSGRADE

CS 109 - Introduction to Probability for Computer Scientists<sup>R</sup>

AU/245A

Way-CE: Creative Expression

CLASSES1UNITS3GRADE4.299

The CE requirement may be fulfilled by doing one of the following: taking one CE course with a minimum of 2 units, taking a 1-unit CE course twice in different quarters, or taking two 1-unit courses in the same department in Dance, Music, or TAPS.

Classes applied here must be in the same department (same prefix).

All courses must be taken for a letter grade, unless only offered S/NC.

CLASS

TERMUNITSGRADE

FILMPROD 106 - Image and Sound: Filmmaking for the Digital Age

SP/243A+

Adhana, Esaw (06743960)

1 of 7

✔ Way-EDP: Exploring Difference and Power			CLASSES	UNITS	GPA	⋮
			1	4	4.000	
<div>✔ Exactly 1 class required.</div> <div>✔ All courses must be a minimum of 3 units.</div> <div>✔ All courses must be taken for a letter grade, unless only offered S/NC.</div>						
CLASS			TERM	UNITS	GRADE	
● AMSTUD 150X - From Gold Rush to Google Bus: History of San Francisco			SP/25	4	A	

✔ Way-ER: Ethical Reasoning			CLASSES	UNITS	GPA	⋮
			1	3	4.000	
<div>✔ Exactly 1 class required.</div> <div>✔ All courses must be a minimum of 3 units.</div> <div>✔ All courses must be taken for a letter grade, unless only offered S/NC.</div>						
CLASS			TERM	UNITS	GRADE	
● COLLEGE 102 - Citizenship in the 21st Century <sup>R</sup>			WI/24	3	A	

✔ Way-FR: Formal Reasoning			CLASSES	UNITS	GPA	⋮
			1	3	4.000	
<div>✔ Exactly 1 class required.</div> <div>✔ All courses must be a minimum of 3 units.</div> <div>✔ All courses must be taken for a letter grade, unless only offered S/NC.</div>						
CLASS			TERM	UNITS	GRADE	
● MATH 77Q - Probability and gambling			SP/25	3	A	

🔍

🔔 Way-SI: Social Inquiry			CLASSES	UNITS	GPA	⋮
			1	5	4.000	
<div>🔔 Exactly 2 classes required. You need 1 more of these classes.</div> <div>✔ All courses must be a minimum of 3 units.</div> <div>✔ All courses must be taken for a letter grade, unless only offered S/NC.</div>						
CLASS			TERM	UNITS	GRADE	
● COMM 166 - Virtual People <sup>R</sup>			AU/25	5	A	

🔍

✔ Way-SMA: Scientific Method and Analysis			CLASSES	UNITS	GPA	⋮
			2	9	3.477	
<div>✔ Exactly 2 classes required.</div> <div>✔ All courses must be a minimum of 3 units.</div> <div>✔ All courses must be taken for a letter grade, unless only offered S/NC.</div>						
CLASS			TERM	UNITS	GRADE	
● ENGR 40M - An Intro to Making: What is EE <sup>R</sup>			WI/24	5	B+	
● PHYSICS 43 - Electricity and Magnetism <sup>R</sup>			WI/25	4	A-	

🔍

✔ Language Requirements			CLASSES	UNITS	GPA	⋮
			0	0		

✔ Language Course			CLASSES	UNITS	GPA	⋮
			0	0		
<div>✔ The Language requirement has been fulfilled by your STANF-SPL Language test score.</div>						
Class Options (show course titles)						

✔ Writing and Rhetoric Requirement			CLASSES	UNITS	GPA	⋮
			2	8	4.000	
<div>✔ All courses must be taken for a letter grade.</div>						

✔ WR 1			CLASSES	UNITS	GPA	⋮
			1	4	4.000	
<div>✔ Student's must take one (1) course to satisfy requirement unless SLE is chosen. Two (2) SLE classes are required to satisfy requirement.</div> <div>🔔 Courses applied here may be reused at "Computer Science BS".</div>						

💡 PWR 1			CLASSES	UNITS	GPA	⋮
			1	4	4.000	
<div>🔔 Exactly 1 class required.</div>						
CLASS			TERM	UNITS	GRADE	
● PWR 1KAA - Writing & Rhetoric 1: Forward Momentum: Writing About Movement(s)			AU/23	4	A	
Class Options						

SLE

CLASSES

0

UNITS

0

GPA

Exactly 2 classes required.

Courses applied here may be reused at "COLLEGE", "WR 2", and "Ways Requirements".

Class Options

ITALIC

CLASSES

0

UNITS

0

GPA

Exactly 1 class required.

Class Options

ESF

CLASSES

0

UNITS

0

GPA

Exactly 1 class required.

Courses applied here may be reused at "Ways Requirements" and "COLLEGE".

Class Options

WR 2

CLASSES

1

UNITS

4

GPA

4.000

Student's must take one (1) course to satisfy requirement unless SLE is chosen. Three (3) SLE courses are required to satisfy this requirement.

Courses applied here may be reused at "Computer Science BS".

PWR 2

CLASSES

1

UNITS

4

GPA

4.000

Exactly 1 class required.

CLASS

PWR 2LFA - Writing & Rhetoric 2: The Rhetoric of Nonverbal Communication

TERM

WI/25

UNITS

4

GRADE

A

Class Options

WRITE 2

CLASSES

0

UNITS

0

GPA

Exactly 1 class required.

Courses applied here may be reused at "Ways Requirements".

Class Options

SLE

CLASSES

0

UNITS

0

GPA

Courses applied here may be reused at "COLLEGE", "WR 1", and "Ways Requirements".

Class Options

COLLEGE

CLASSES

2

UNITS

6

GPA

4.000

Exactly 2 classes required.

All courses must be taken for a letter grade.

Courses applied here may be reused at "Ways Requirements".

COLLEGE

CLASSES

2

UNITS

6

GPA

4.000

COLLEGE requirement is formerly known as Thinking Matters.

Courses applied here may be reused at "Ways Requirements".

CLASS

COLLEGE 101 - Why College? Your Education and the Good Life<sup>R</sup>

TERM

AU/23

UNITS

3

GRADE

A

COLLEGE 102 - Citizenship in the 21st Century<sup>R</sup>

TERM

WI/24

UNITS

3

GRADE

A

Class Options:

Any COLLEGE course.

ESF

CLASSES

0

UNITS

0

GPA

Courses applied here may be reused at "WR 1" and "Ways Requirements".

Class Options:

Any ESF course.

ITALIC

CLASSES

0

UNITS

0

GPA

Courses applied here may be reused at "Ways Requirements".

Class Options

(show course titles)

SLE

CLASSES

0

UNITS

0

GPA

Courses applied here may be reused at "WR 1", "WR 2", and "Ways Requirements".

Class Options:

SLE 91, 92 (show course titles)

Bachelor of Science	CLASSES	UNITS	GPA	
	20	94	3.485	⋮
2023-2024 BS Requirements	CLASSES	UNITS	GPA	
	20	94	3.485	⋮
Computer Science BS	CLASSES	UNITS	GPA	
	20	94	3.485	⋮

- ✓ 83 units required.
- ✓ A minimum grade of a D- or better is required for all courses being used toward major requirements, but the overall GPA for major requirements must be at least a 2.0. The minimum cumulative GPA for this requirement is 2.000. Your GPA here is 3.485.
- ✓ All courses must be taken for a letter grade, unless only offered C/NC or S/NC.
- Transfer credits in Math, Science, Fundamentals, and TiS must be approved by the SoE Dean's Office. Transfer credits in Computer Science Core, Depth, and Senior Project must be approved by the Computer Science undergraduate program office.

Human-Computer Interactions	CLASSES	UNITS	GPA	
	20	94	3.485	⋮
Program Sheet Option	CLASSES	UNITS	GPA	
	20	94	3.485	⋮

- Select a program requirement year.
- There are multiple ways to satisfy this requirement. [Select Alternate Paths](#)

Academic Year 19-20	CLASSES	UNITS	GPA	
	20	94	3.485	⋮
School of Engineering Requirements	CLASSES	UNITS	GPA	
	11	57	3.447	⋮
✓ Mathematics	CLASSES	UNITS	GPA	
	5	29	3.326	⋮

- ✓ 26 units required.

✓ Calculus	CLASSES	UNITS	GPA	
	1	10		⋮

- ✓ MATH 19, 20, and 21 can be satisfied with a CALC BC AP Score of 5.

CLASS	TERM	UNITS	GRADE
● UGTEST MA - MATH 19/20/21 <sup>T</sup>	AU/24	10	T

Class Options:  MATH 19, 20, 21 (show course titles)

✓ Required CS Math Courses	CLASSES	UNITS	GPA	
	2	10	3.649	⋮

- ✓ Students must complete CS 103 and CS 109, each for 5 units. 2 classes required.

CLASS	TERM	UNITS	GRADE
● CS 103 - Mathematical Foundations of Computing	SP/24	5	B+
● CS 109 - Introduction to Probability for Computer Scientists <sup>R</sup>	AU/24	5	A

Class Options:  CS 103, 109 (show course titles)

✓ Mathematics Electives	CLASSES	UNITS	GPA	
	2	9	2.966	⋮

- ✓ Complete two math electives.
- ✓ Courses must be taken for a minimum of 3 units.
- ✓ CS 157 and PHIL 151 cannot both be used to satisfy the Math electives requirement.

CLASS	TERM	UNITS	GRADE
● MATH 51 - Linear Algebra, Multivariable Calculus, and Modern Applications	AU/23	5	B-
● MATH 104 - Applied Matrix Theory	SP/24	4	B+

Class Options:  CME 100, 102, 103, 104; CS 157, 205L; EE 103; MATH 51, 52, 53, 104, 107, 108, 109, 110, 113; PHIL 151 (show course titles)



✓ Science	CLASSES	UNITS	GPA	
	3	13	3.700	⋮

- ✓ 11 units required.

✓ Mechanics Course	CLASSES	UNITS	GPA	
	1	4		⋮

- ✓ 1 class required.
- A score of 5 on the AP Physics C Mechanics test places the student out of PHYSICS 41.

CLASS	TERM	UNITS	GRADE
● PHYSICS 41 - Mechanics	AU/24	4	S

Class Options:  PHYSICS 21, 41, 41E, 61 (show course titles)

<div>  Electricity and Magnetism Course </div>	CLASSES	UNITS	GPA	
	1	4	3.700	⋮
<div>  Students with a Physics C - Electricity &amp; Magt AP Score of 5 do not need to complete PHYSICS 43. </div>				
<div> <div>CLASS</div> <ul style="list-style-type: none"> <li>PHYSICS 43 - Electricity and Magnetism<sup>R</sup></li> </ul> </div>	TERM	UNITS	GRADE	
	WI/25	4	A-	
Class Options: PHYSICS 23, <b>43</b> , 63 (show course titles)				
<div>  Science Elective </div>	CLASSES	UNITS	GPA	
	1	5		⋮
<div>  3 units required; up to 1 class will count. </div>				
<div> <div>CLASS</div> <ul style="list-style-type: none"> <li>UGTEST CH - CHEM 31A<sup>T</sup></li> </ul> </div>	TERM	UNITS	GRADE	
	AU/24	5	T	
Class Options: BIO 30, 45, 47, 81, 82, 83, 84, 85, 86, 150; CEE 63, 64, 70; CHEM 31A, 31B, 31M, 33, 121, 123; EARTHSYS 10; ENGR 90; GEOLSCI 1; PHYSICS 22, 24, 25, 26, 42, 44, 46, 62, 64, 65, 67; PSYCH 30 (show course titles)				
<div>  Technology in Society </div>	CLASSES	UNITS	GPA	
	1	5	4.000	⋮
<div>  Technology in Society Required Course </div>	CLASSES	UNITS	GPA	
	1	5	4.000	⋮
<div>  Exactly 1 class required. </div> <div>  Course must be taken for a minimum of 3 units. </div>				
<div> <div>CLASS</div> <ul style="list-style-type: none"> <li>COMM 166 - Virtual People<sup>R</sup></li> </ul> </div>	TERM	UNITS	GRADE	
	AU/25	5	A	
Class Options: AA 252; ARCHLGY 151; BIOE 131; CEE 102A; CLASSICS 168; COMM 120W, <b>166</b> ; CS 181, 181W, 182, 182W; ENGR 117, 145, 148; EPS 194; HUMBIO 174; NBIO 101; POLISCI 114S; STS 1 (show course titles)				
<div>  Engineering Fundamentals </div>	CLASSES	UNITS	GPA	
	2	10	3.299	⋮
<div>  13 units required. You need 3 more units. </div>				
<div>  Engineering Fundamentals Required Courses </div>	CLASSES	UNITS	GPA	
	2	10	3.299	⋮
<div>  Must complete CS 106B or 106X. </div> <div>  Must complete either ENGR 40M or 40A. </div> <div>  Students that take ENGR 40M or 40A for fewer than 5 units are required to take additional units of ENGR Fundamentals to reach the 13 minimum required units, or 1-2 additional units of Depth (26-27 minimum for track and elective courses). </div>				
<div> <div>CLASS</div> <ul style="list-style-type: none"> <li>CS 106B - Programming Abstractions</li> <li>ENGR 40M - An Intro to Making: What is EE<sup>R</sup></li> </ul> </div>	TERM	UNITS	GRADE	
	AU/23	5	B+	
	WI/24	5	B+	
Class Options: CS <b>106B</b> ; ENGR 40A, <b>40M</b> (show course titles)				
<div>  Engineering Fundamentals Elective </div>	CLASSES	UNITS	GPA	
	0	0		⋮
<div>  3 units required; up to 1 class will count. You need 3 more units. </div>				
Class Options: CEE 70; ENGR 10, 14, 15, 20, 21, 42, 50, 50E, 50M, 60, 62, 62X, 80, 90; MS&E 111, <b>111X</b> (show course titles)				
<div>  Computer Science Core </div>	CLASSES	UNITS	GPA	
	3	15	3.133	⋮
<div>  Required Courses </div>	CLASSES	UNITS	GPA	
	3	15	3.133	⋮
<div>  Students must complete CS 107 or 107E, CS110, and CS161. 3 classes required. </div> <div>  All CS core courses must be taken for 5 units each. </div>				
<div> <div>CLASS</div> <ul style="list-style-type: none"> <li>CS 107E - Computer Systems from the Ground Up</li> <li>CS 111 - Operating Systems Principles</li> <li>CS 161 - Design and Analysis of Algorithms</li> </ul> </div>	TERM	UNITS	GRADE	
	WI/24	5	B-	
	WI/25	5	A-	
	AU/24	5	B	
Class Options: CS <b>107</b> , <b>107E</b> , 110, <b>161</b> (show course titles)				
<div>  Human-Computer Interaction Depth </div>	CLASSES	UNITS	GPA	
	5	19	3.884	⋮
<div>  7 classes and 25 units required. You need 2 more classes and 6 more units. </div> <div>  All depth courses must be taken for a minimum of three (3) units. </div>				

Required Courses

2

9

3.833

✓

2 classes required.

i

Students must take CS 147 and any CS 247 course.

CLASS

CS 147 - Introduction to Human-Computer Interaction Design

CS 247G - Design for Play

TERM

AU/25

UNITS

5

GRADE

A-

SP/25

4

A

Class Options: CS 147 (show course titles)

Requirement 1

0

0

i

3 classes required. You need 3 more classes.

Class Options: CS 142, 148, 194H, 206, 210A, 278, 347, 377E, 377G, 377J, 377Q, 377U, 448B (show course titles)

Requirement 2

1

3

i

At least two additional courses from above list, the general CS electives list, or from below. Courses must be 3 or more units. You need 2 more of these classes.

CLASS

MS&E 273 - Venture Creation for the Real Economy

TERM

WI/26

UNITS

3

GRADE

IP

Class Options: ARTSTUDI 131, 174B, 179; COMM 172, 272; EDUC 218, 230, 281, 364; ME 1, 101, 102, 103, 104, 104B, 104S, 110, 110B, 115A, 115B, 115C, 120, 123, 208, 216A, 216B, 216C, 310A, 310B, 310C, 313; MS&E 273; MUSIC 220A, 220B, 220C, 253; PSYCH 70, 252; SYMSYS 201, 245 (show course titles)

Additional Electives

2

7

4.000

✓

At least one course from the Track Elective list, the General CS Electives list, or the Optional Humanities course list. Courses must be 3 or more units. 1 class required.

Track Elective List

0

0

Class Options: CS 194H, 210A, 278, 448B (show course titles)

General CS Electives

2

7

4.000

✓

A maximum of 4 units of CS 195 may count toward CS Depth requirements.

CLASS

CS 197 - Computer Science Research

CS 205L - Continuous Mathematical Methods with an Emphasis on Machine Learning

TERM

SP/24

UNITS

4

GRADE

A

WI/26

3

IP

Class Options: CME 108; CS 108, 112, 124, 131, 140, 140E, 142, 143, 144, 145, 147, 148, 149, 151, 154, 155, 157, 163, 166, 168, 173, 190, 195, 197, 205L, 206, 210A, 212, 217, 221, 223A, 224N, 224R, 224S, 224U, 224V, 224W, 225A, 227B, 228, 229, 229M, 230, 231A, 231C, 231N, 232, 233, 234, 235, 237A, 237B, 238, 240, 240LX, 242, 243, 244, 244B, 245, 246, 247A, 247B, 247G, 247I, 247S, 248, 248A, 248B, 250, 251, 254, 254B, 255, 256, 257, 259Q, 261, 263, 265, 269I, 269O, 270, 271, 272, 273A, 273B, 274, 275, 278, 279, 281, 330, 333, 334A, 342, 348A, 348B, 348C, 348E, 348I, 348K, 348N, 348V, 351, 361, 398, 448B; EE 180, 267, 282, 374; PHIL 151 (show course titles)

Optional Humanities Course

0

0

i

Students may replace one elective with one course from below.

Class Options: AMSTUD 120, 133, 145; ARTSINST 142; ARTSTUDI 130, 168, 179; COMM 120W, 124, 145, 154, 158, 166, 186W, 230A; CS 80Q, 120, 121, 152, 181, 182, 184, 206; DESINST 240; EARTHSYS 140, 144, 162, 227; ENERGY 112, 160; ENGLISH 106A, 115, 184C, 184E; ETHICSOC 131X, 187, 234R; GEOPHYS 128, 228; HISTORY 44, 244F; LINGUIST 130A, 145, 150, 156; MS&E 254; PHIL 60, 72, 99, 170, 171; POLISCI 150A; PSYCH 35, 70, 80, 175, 180, 204A, 204B, 215; PUBLPOL 63Q, 103F; SOC 114; SUST 210 (show course titles)

Senior Project

1

3

4.000

Senior Project Courses

1

3

4.000

✓

1 class required.

✓

Courses must be taken for 3 units.

CLASS

CS 194W - Software Project (WIM)<sup>R</sup>

TERM

WI/25

UNITS

3

GRADE

A

Class Options: CS 191, 191W, 194, 194H, 194W, 210B, 294W (show course titles)

Writing in the Major (WIM)

1

3

4.000

Writing in the Major

1

3

4.000

✓

The WIM requirement may be met by completing CS 181W or 182W as a Technology in Society course, or through the following Senior Project courses: CS 191W, 194W, 210B, or 294W. Exactly 1 class required.

CLASS

CS 194W - Software Project (WIM)<sup>R</sup>

TERM

WI/25

UNITS

3

GRADE

A

Class Options: CS 181W, 182W, 191W, 194W, 210B, 294W (show course titles)

✓ Honors/No Honors Option	CLASSES	UNITS	GPA	
	0	0		⋮

- Computer Science Majors must apply for Honors program. Please visit department honors website at: <https://cs.stanford.edu/degrees/undergrad/Honors.shtml>
- There are multiple ways to satisfy this requirement. [Select Alternate Paths](#)

✓ No Honors	CLASSES	UNITS	GPA	
	0	0		⋮

✓ You have chosen the No Honors Option.

✓ University General Electives	CLASSES	UNITS	GPA	
	16	36	4.171	⋮

✓ University General Electives	CLASSES	UNITS	GPA	
	16	36	4.171	⋮

CLASS	TERM	UNITS	GRADE
● CS 7 - Personal Finance for Engineers	AU/24	1	S
● CS 80E - Dissecting The Modern Computer	AU/25	2	S
● CS 147L - Cross-platform Mobile App Development	AU/25	3	A
● CS 238V - Validation of Safety Critical Systems	WI/26	4	IP
● CS 269I - Incentives in Computer Science	WI/26	3	IP
● CS 295 - Software Engineering	WI/26	3	IP
● ENGR 203 - Public Speaking	WI/24	3	A+
● MS&E 472 - Entrepreneurial Thought Leaders' Seminar	WI/24	1	S
● MUSIC 12A - Introductory Piano Class	SP/24	1	A+
● ORALCOMM 117 - The Art of Effective Speaking	WI/26	3	IP
● PATH 51A - Regional Anatomy (Online): Musculoskeletal System	SP/24	1	A+
● PATH 51B - Regional Anatomy (Online): Cardiopulmonary System	SP/24	1	A+
● PATH 51C - Regional Anatomy (Online): Gastrointestinal and Genitourinary Systems	SP/24	1	A+
● PATH 51D - Regional Anatomy (Online): Nervous, Endocrine, and Immune Systems	SP/24	1	A+
● TAPS 103 - Beginning Improvising	SP/25	3	A
● UGTEST CS - CS 101, 105, 106A <sup>T</sup>	AU/24	5	T



⊘ Classes Not Applied To Degree	CLASSES	UNITS	
	0	0	⋮

Satisfactory Classes	CLASSES	UNITS	
	0	0	⋮

Unsatisfactory Or Uncompleted Classes	CLASSES	UNITS	
	0	0	⋮

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