

Common Core Course List (Last update: 14 April 2026)

(30-credit Common Core Program for Students Admitted from 2022-23 Onward)

Common Core Course with Subject Area Prefix from 2023-24 ²	Course Title	Credit	Common Core Area	Remarks	Previous Common Core Course Code with "CORE" Prefix In 2022-23 ¹			
					Fall 2022-23	Winter 2022-23	Spring 2022-23	Summer 2022-23
Courses in Broadening Group								
BIEN 1610	Engineering Life: Synthetic Biology and Innovations for Human Health	3	S, T	This is a common core course with effect from 2025-26 Fall.	--			
BIEN 1620	Revolutionizing Health: Biomedical Innovations in Everyday Life	3	S, T	This is a common core course with effect from 2025-26 Summer.	--			
CENG 1800	Introduction to Food Science and Technology	3	S, T		--		CORE 1212	
CHEM 1002	Introduction to Chemistry of Cosmetics	3	S		--		CORE 1121	
CHEM 1004	Chemistry in Everyday Life	3	S		--		CORE 1120	
			SUS	From 2025-26 Fall for 2025-26 and 2026-27 cohorts.	--			
CIVL 1140	Environment and Society: Sustainable Development Goals and Carbon Neutrality	3	T	This is a common core course with effect from 2024-25 Spring.	--			
			SUS	From 2025-26 Fall for 2025-26 and 2026-27 cohorts.	--			
			S	From 2024-25 Spring to 2024-25 Summer.	--			
CIVL 1180	Monitoring Changing Climate from Space	3	S, T		--			
CIVL 1190	Climate Change, Big History and Sustainability	3	S		--		CORE 1223	
			SUS	From 2025-26 Fall for 2025-26 and 2026-27 cohorts.	--			
			T	From 2022-23 Spring to 2024-25 Summer.	--		CORE 1223	
ENGG 1500	Technological Innovation: From Concept to Reality	3	S, T	This is a common core course with effect from 2025-26 Summer.	--			
ENVR 1150	Climate Change Impacts and Extreme Weather Events	3	S		--		CORE 1941	
			SUS	From 2025-26 Fall for 2025-26 and 2026-27 cohorts.	--			
ENVR 2020	Urban Air Pollution	3	S		--		CORE 2941 [#]	
			SUS	From 2025-26 Fall for 2025-26 and 2026-27 cohorts.	--			
IEDA 1250	Optimizing Decisions for Personal and Business Development	3	S, T		--		CORE 1251	
LIFS 1010	Introduction to Biological Sciences	3	S		--			
LIFS 1020	Biology of Human Health	3	S		--		CORE 1130	
LIFS 1088	Global Perspectives in Health and Disease	3	S	This is a common core course with effect from 2026-27 Spring.	--			
MECH 1905	Buildings for Contemporary Living	3	S, T		--		CORE 1270	
OCES 1030	Environmental Science	3	S		--		CORE 1140	
			SUS	From 2025-26 Spring for 2025-26 and 2026-27 cohorts.	--			
PHYS 1001	Physics and the Modern Society	3	S		--		CORE 1110	
PHYS 1002	Introduction to Astrophysics and Astronomy	3	S		--			

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					Fall 2022-23	Winter 2022-23	Spring 2022-23	Summer 2022-23
PHYS 1003	Energy and Related Environmental Issues	3	S		--			CORE 1111
PHYS 1007	Quantum Information for Everyone	3	S		--			CORE 1112
PHYS 1101	Introductory Physics	4	S	This is a common core course with effect from 2026-27 Fall.		--		
PHYS 1111	General Physics I	3	S	This is a common core course with effect from 2026-27 Fall.		--		
SCIE 1120	Chemistry and Life	3	S			--		
SUST 1020	Climate Films and Sustainable Future	3	SUS	From 2025-26 Fall for 2025-26 and 2026-27 cohorts.		--		
			S	From 2024-25 Spring to 2024-25 Summer.		--		

Notes:

1 In 2022-23, all common core courses for the 30-credit Common Core Program were assigned a “CORE” prefix. Starting from 2023-24, this prefix has been removed, and common core courses have been coded according to their subject area code (e.g., “ACCT” for Accounting). Students should pay attention to the following for study plan and before enrolling in classes:

- (a) Students who took any “CORE” courses in 2022-23 can still use them to fulfill the corresponding common core area requirements. However, they cannot retake the same course with the corresponding subject area code.
For example, if students completed CORE 1240 Electronic and Information Technology in 2022-23, they can use it to fulfill the Technology (T) area requirement; but they cannot retake the same course using the subject area code ELEC 1010 Electronic and Information Technology in subsequent terms.
- (b) If students took a course in 2022-23 that does not have a “CORE” prefix, they cannot use it to fulfill any common core requirements.
For example, credits earned from SOSC 1850 Understanding Society in 2022-23 cannot count toward the Social Analysis (SA) area requirement.
- (c) Students can use the “CORE” course to fulfill EITHER common core OR School/major requirements, but not both.

Remarks:
The subject area codes are the alternate code of the CORE codes. For example, HUMA 1150 is the alternate code for CORE 1660. In 2022-23, students cannot use courses with subject area prefix (e.g., HUMA 1150) to fulfill any common core requirements. However, starting from 2023-24, students can use subject area-coded course (e.g., HUMA 1150) to fulfill EITHER the common core requirement OR the School/major requirement, but not both.

2 It is important to note that certain major/minor programs may include common core courses as required or elective courses. While these courses can fulfill relevant major/minor requirements, students should be aware of the credit reuse rules specified by individual programs. Credits from some of these common core courses may only be used to fulfill EITHER the common core requirements OR the major/minor requirements, but not both. Please refer to the program catalog or consult your major/minor departments for details.

Common Core Areas

HAIC: Human-AI Co-Creation and Data Literacy (for 2026-27 cohort); CTDL: Critical Thinking and Data Literacy; HMW: Habits, Mindsets, and Wellness; E-Comm: English Communication; C-Comm: Chinese Communication; A: Arts; H: Humanities; S: Science; T: Technology; SA: Social Analysis; SUS: Sustainability (from 2025-26 cohort); UxOP: Undergraduate experiential Opportunities Programs