

Common Core Program

Program-specific Credit Requirements in Broadening Group

This document outlines the specific credit requirements for the Broadening group of the Common Core Program for different first majors and dual degree programs at the University. Students are recommended to carefully review the individual credit requirements for each program, as these may vary.

School of Science (SSCI)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Group
Biochemistry and Cell Biology (BCB)	<div>Arts (A): 3 credits</div> <div>Humanities (H): 3 credits</div> <div>Technology (T): 3 credits</div> <div>Social Analysis (SA): 3 credits</div>
Biological Science (BISC)	
Biotechnology (BIOT)	
Chemistry (CHEM)	
Data Analytics in Science (DASC)	
Mathematics (MATH)	
Ocean Science and Technology (OST)	
Physics (PHYS)	

School of Engineering (SENG)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Group
Aerospace Engineering (AE)	<p>Arts (A): 3 credits Humanities (H): 3 credits Science (S): 3 credits Social Analysis (SA): 3 credits</p>
Civil and Environmental Engineering (CIEV)	
Civil Engineering (CIVL)	
Computer Engineering (CPEG)	
BEng in Computer Science (COMP)	
BSc in Computer Science (COSC) <i>(There may be a second home common core area for individual students; please contact SENG directly for more information)</i>	
Decision Analytics (DA)	
Electronic Engineering (ELEC)	
Industrial Engineering and Engineering Management (IEEM)	
Integrative Systems and Design (ISDN) <i>(For students admitted in 2022-23 and 2023-24)</i>	
Mechanical Engineering (MECH)	
Sustainable Energy Engineering (SUSEE)	
Bioengineering (BIEN)	<p>Arts (A): 3 credits Humanities (H): 3 credits Social Analysis (SA): 3 credits + 3 credits in any area in Broadening Group</p>
Chemical and Environmental Engineering (CEEV)	
Chemical Engineering (CENG)	

School of Business and Management (SBM)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Group
Economics (ECON)	<p>Arts (A): 3 credits Humanities (H): 3 credits Science (S): 3 credits Technology (T): 3 credits</p>
Economics and Finance (ECOF)	
Finance (FINA)	
General Business Management (GBM)	
Global Business (GBUS)	
Information Systems (IS)	
Management (MGMT)	
Marketing (MARK)	
Operations Management (OM)	
Professional Accounting (ACCT)	
Quantitative Finance (QFIN)	

School of Humanities and Social Science (SHSS)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Group
Global China Studies (GCS)	<p>Arts (A): 3 credits Science (S): 3 credits Technology (T): 3 credits + 3 credits in any area in Broadening Group</p>
Quantitative Social Analysis (QSA)	<p>Arts (A): 3 credits Humanities (H): 3 credits Science (S): 3 credits Technology (T): 3 credits</p>

Academy of Interdisciplinary Studies (AIS)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Group
Environmental Management and Technology (EVMT)	Arts (A): 3 credits Humanities (H): 3 credits Science (S): 3 credits Technology (T): 3 credits
Individualized Interdisciplinary Major (IIM)	12 credits <i>(Please contact AIS directly for individualized credit requirements)</i>
Integrative Systems and Design (ISDN) <i>(For students admitted in 2024-25)</i>	Arts (A): 3 credits Humanities (H): 3 credits Science (S): 3 credits Social Analysis (SA): 3 credits

Undergraduate Programs	Program-specific Credit Requirements in Broadening Group
<p>Dual Degree Program (DDP): School of Science (SSCI) & School of Business and Management (SBM)</p> <p>Science Option:</p> <ul style="list-style-type: none"> • Biotechnology (BIOT) <p>Business Option:</p> <ul style="list-style-type: none"> • Economics (ECON) • Finance (FINA) • General Business Management (GBM) • Global Business (GBUS) • Management (MGMT) • Marketing (MARK) 	<p>Arts (A): 3 credits Humanities (H): 3 credits Technology (T): 3 credits + 3 credits in any area in Broadening Group</p>
<p>Dual Degree Program (DDP): School of Engineering (SENG) & School of Business and Management (SBM)</p> <p>Engineering Option:</p> <ul style="list-style-type: none"> • Aerospace Engineering (AE) • Civil and Environmental Engineering (CIEV) • Civil Engineering (CIVL) • Computer Engineering (CPEG) • Computer Science (COMP) • Decision Analytics (DA) • Electronic Engineering (ELEC) • Industrial Engineering and Engineering Management (IEEM) • Integrative Systems and Design (ISDN) <i>(For students admitted in 2022-23 and 2023-24)</i> • Mechanical Engineering (MECH) <p>Business Option:</p> <ul style="list-style-type: none"> • Economics (ECON) • Finance (FINA) • General Business Management (GBM) • Global Business (GBUS) • Management (MGMT) • Marketing (MARK) 	<p>Arts (A): 3 credits Humanities (H): 3 credits Science (S): 3 credits + 3 credits in any area in Broadening Group</p>

Undergraduate Programs	Program-specific Credit Requirements in Broadening Group
<p>Dual Degree Program (DDP): School of Engineering (SENG) & School of Business and Management (SBM)</p> <p>Engineering Option:</p> <ul style="list-style-type: none"> • Bioengineering (BIEN) • Chemical Engineering (CENG) <p>Business Option:</p> <ul style="list-style-type: none"> • Economics (ECON) • Finance (FINA) • General Business Management (GBM) • Global Business (GBUS) • Management (MGMT) • Marketing (MARK) 	<p>Arts (A): 3 credits Humanities (H): 3 credits + 6 credits in any area in Broadening Group</p>
<p>Dual Degree Program (DDP): Academy of Interdisciplinary Studies (AIS) & School of Business and Management (SBM)</p> <p>AIS Option:</p> <ul style="list-style-type: none"> • Integrative Systems and Design (ISDN) <i>(For students admitted in 2024-25)</i> <p>Business Option:</p> <ul style="list-style-type: none"> • Economics (ECON) • Finance (FINA) • General Business Management (GBM) • Global Business (GBUS) • Management (MGMT) • Marketing (MARK) 	<p>Arts (A): 3 credits Humanities (H): 3 credits Science (S): 3 credits + 3 credits in any area in Broadening Group</p>

Joint-School Programs (JS)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Group
School of Science (SSCI) & School of Business and Management (SBM): <ul style="list-style-type: none"> • Biotechnology and Business (BIBU) • Mathematics and Economics (MAEC) 	Arts (A): 3 credits Humanities (H): 3 credits Technology (T): 3 credits + 3 credits in any area in Broadening Group
School of Science (SSCI) & School of Engineering (SENG): <ul style="list-style-type: none"> • Data Science and Technology (DSCT) 	Arts (A): 3 credits Humanities (H): 3 credits Social Analysis (SA): 3 credits + 3 credits in any area in Broadening Group
School of Science (SSCI), School of Engineering (SENG) & School of Business and Management (SBM): <ul style="list-style-type: none"> • Risk Management and Business Intelligence (RMBI) 	Arts (A): 3 credits Humanities (H): 3 credits + 6 credits in any area in Broadening Group
School of Business and Management (SBM) & Academy of Interdisciplinary Studies (AIS): <ul style="list-style-type: none"> • Sustainable and Green Finance (SGFN) 	Arts (A): 3 credits Humanities (H): 3 credits Science (S): 3 credits Technology (T): 3 credits

World Bachelor in Business Program (WBB)

Common Core Groups	Common Core Areas	Credit Requirements	
		Required	Elective
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	0 or 3
Broadening	Arts (A)	3	0
	Humanities (H)	10	
	Science (S)	8	
	Technology (T)	3	
	Social Analysis (SA)	0	
Foundations	Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	4	0
	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	0	
	English Communication (E-Comm)	4	
	Chinese Communication (C-Comm)	3	
Total Credits		35	0 or 3
		35 - 38	