Program-specific Credit Requirements in Broadening Common Core Group
(Updated as of 12 July 2024)

Below are tables showing the credit requirements for first major and dual degree programs in the Broadening Common Core Group, organized by school/program:

- School of Science (SSCI)
- School of Engineering (SENG)
- School of Business and Management (SBM)
- School of Humanities and Social Science (SHSS)
- Academy of Interdisciplinary Studies (AIS)
- Joint-school Programs (JS)
- World Business Program (WBB)

Students are recommended to read carefully about individual school/program credit requirements as they may vary.

School of Science (SSCI)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Common Core Group
Biochemistry and Cell Biology (BCB)	Arts (A): **3** credits Humanities (H): **3** credits Technology (T): **3** credits Social Analysis (SA): **3** credits
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 Common Core Group
Aerospace Engineering (AE)	Arts (A): **3** credits Humanities (H): **3** credits Science (S): **3** credits Social Analysis (SA): **3** credits
Civil and Environmental Engineering (CIEV)	
Civil Engineering (CIVL)	
BEng in Computer Science (COMP)	
BSc in Computer Science (COSC)	
Computer Engineering (CPEG)	
Decision Analytics (DA)	
Electronic Engineering (ELEC)	
Industrial Engineering and Engineering Management (IEEM)	
Integrative Systems and Design (ISDN)	
Mechanical Engineering (MECH)	
Sustainable Energy Engineering (SUSEE)	
Bioengineering (BIEN)	Arts (A): **3** credits Humanities (H): **3** credits Social Analysis (SA): **3** credits + **3** credits under ANY area in Broadening group
Chemical and Environmental Engineering (CEEV)	
Chemical Engineering (CENG)	

School of Business and Management (SBM)

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

School of Humanities and Social Science (SHSS)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Common Core Group
Global China Studies (GCS)	Arts (A): **3** credits Science (S): **3** credits Technology (T): **3** credits + **3** credits under ANY area in Broadening group
Quantitative Social Analysis (QSA)	Arts (A): **3** credits Humanities (H): **3** credits Science (S): **3** credits Technology (T): **3** credits

Academy of Interdisciplinary Studies (AIS)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Common Core 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 *(Credit requirement may differ for individual students, please contact AIS.)*
Dual degree Program (DDP): School of Science (SSCI) & School of Business and Management (SBM) Science Option: • Biotechnology (BIOT) Business Option: • Economics (ECON) • Finance (FINA) • General Business Management (GBM) • Global Business (GBUS) • Marketing (MARK) • Management (MGMT)	Arts (A): **3** credits Humanities (H): **3** credits Technology (T): **3** credits + **3** credits under ANY area in Broadening group

Dual degree Program (DDP):
School of Engineering (SENG) &
School of Business and Management (SBM)

Engineering Option:

- Aerospace Engineering (AE)
- Civil and Environmental Engineering (CIEV)
- Civil Engineering (CIVL)
- Computer Science (COMP)
- Computer Engineering (CPEG)
- Decision Analytics (DA)
- Electronic Engineering (ELEC)
- Industrial Engineering and Engineering Management (IEEM)
- Integrative Systems and Design (ISDN)
- Mechanical Engineering (MECH)

Business Option:

- Economics (ECON)
- Finance (FINA)
- General Business Management (GBM)
- Global Business (GBUS)
- Marketing (MARK)
- Management (MGMT)

Arts (A): **3** credits
Humanities (H): **3** credits
Science (S): **3** credits
+
3 credits under ANY area in Broadening group

Dual degree Program (DDP):
School of Engineering (SENG) &
School of Business and Management (SBM)

Engineering Option:

- Bioengineering (BIEN)
- Chemical Engineering (CENG)

Business Option:

- Economics (ECON)
- Finance (FINA)
- General Business Management (GBM)
- Global Business (GBUS)
- Marketing (MARK)
- Management (MGMT)

Arts (A): **3** credits
Humanities (H): **3** credits
+
6 credits under ANY area in Broadening group

Joint-school Programs (JS)

Undergraduate Programs	Program-specific Credit Requirements in Broadening Common Core Group
School of Science (SSCI) & School of Business and Management (SBM): • Biotechnology and Business (BIBU) • Mathematics and Economics (MAEC)	Arts (A): **3** credits Humanities (H): **3** credits Technology (T): **3** credits + **3** credits under ANY area in Broadening group
School of Science (SSCI) & School of Engineering (SENG): • Data Science and Technology (DSCT)	Arts (A): **3** credits Humanities (H): **3** credits Social Analysis (SA): **3** credits + **3** credits under ANY area in Broadening group
School of Science (SSCI), School of Engineering (SENG) & School of Business and Management (SBM): • Risk Management and Business Intelligence (RMBI)	Arts (A): **3** credits Humanities (H): **3** credits + **6** credits under ANY area in Broadening group
School of Business and Management (SBM) & Academy of Interdisciplinary Studies (AIS): • Sustainable and Green Finance (SGFN)	Arts (A): **3** credits Humanities (H): **3** credits Science (S): **3** credits Technology (T): **3** credits

World Business Program (WBB)

Common Core Groups	Common Core Areas	Credit Requirements	
		Required	Elective
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	**0** or **3** *(This is an optional course.)*
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	N/A
	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	