# <u>Program-specific Credit Requirements of Major and Dual Degree Programs under the 30-credit Common Core Curriculum</u> (*Updated as of 11 July 2023* )

The following tables contain information of credit requirements of first major and dual degree programs. They are arranged in this order:

- 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)

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

		School of Science (	SSCI)	
	Undergraduate Programs	Biochemistry and Cell Biology (BCB) Biological Science (BISC) Biotechnology (BIOT) Chemistry (CHEM)	Data Analytics in Science (DASC) Mathematics (MATH) Ocean Science and Technology (OST) Physics (PHYS)	
	Common Core Groups	on Core Groups Common Core Areas	Credit Requirements	
	Common Core Groups	Common Core Areas	Required	Elective
(ISSCI)	Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	3 (Substitutable by any 3 credits under ANY area in Broadening group )
93		Arts (A)	3	
Science		Humanities (H)	3	
of S	Broadening	Science (S)	0	0
0	Technolog	Technology (T)	3	
School		Social Analysis (SA)	3	
.,		Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	0	3 (Substitutable by any 3 credits under ANY area in Broadening group )
	Foundations	dations  Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	3	
		English Communication (E-Comm)	6	N/A
		Chinese Communication (C-Comm)	3	
		Total Credits	24	6
		Total Cleuits	3	0

## <u>Program-specific Credit Requirements of Major Programs under the 30-credit Common Core Curriculum</u>

Aerospace Engineering (AE)		
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 Engin Integrative Systems and Design Mechanical Engineering (MECH) Sustainable Energy Engineering	(ISDN)
Common Core Areas	Cred	it Requirements
Common Core Areas	Required	Elective
Undergraduate experiential Opportunities Programs (UxOP)	0	3 (Substitutable by any 3 credits under ANY area in Broadening group)
Arts (A)	3	
Humanities (H)	3	
Science (S)	3	0
Technology (T)	0	
Social Analysis (SA)	3	
Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	0	3 (Substitutable by any 3 credits under ANY area in Broadening group )
Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	3	N/A
English Communication (E-Comm)	6	N/A
Chinese Communication (C-Comm)	3	
Total Credits	24	6
		30
Bioengineering (BIEN)		
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)		
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)	Cred	it Requirements
Chemical and Environmental Engineering (CEEV)	Cred Required	it Requirements  Elective
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)		Elective 3
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)  Common Core Areas	Required	Elective  3 (Substitutable by any 3 credits under ANY)
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)	Required 0	Elective  3 (Substitutable by any 3 credits under ANY)
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)	Required 0 3	Elective  3 (Substitutable by any 3 credits under ANY)
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H)	Required  0  3 3	Elective  3 (Substitutable by any 3 credits under ANY area in Broadening group )
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S)	Required  0  3  3  0	Elective  3 (Substitutable by any 3 credits under ANY area in Broadening group )
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S) Technology (T)	Required  0  3  3  0  0	Elective  3 (Substitutable by any 3 credits under ANY area in Broadening group )
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S) Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education:	Required  0  3  3  0  0  3  3	Elective  3 (Substitutable by any 3 credits under ANY area in Broadening group )  3 (Substitutable by any 3 credits under ANY area in Broadening group )
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S) Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education:	Required  0  3  3  0  0  0  0  0  0  0  0  0	Elective  3 (Substitutable by any 3 credits under ANY area in Broadening group )  3 (Substitutable by any 3 credits under ANY area in Broadening group )
Chemical and Environmental Engineering (CEEV) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S) Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	Required  0  3 3 0 0 0 3 0 3 3	Elective  3 (Substitutable by any 3 credits under AN' area in Broadening group )  3 (Substitutable by any 3 credits under AN' area in Broadening group )
	Computer Engineering (CPEG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Fechnology (T)  Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Scheavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)  English Communication (E-Comm)  Chinese Communication (C-Comm)	Computer Engineering (CPEG)         Sustainable Energy Engineering           Common Core Areas         Cred           Required           Undergraduate experiential Opportunities Programs (UxOP)         0           Arts (A)         3           Humanities (H)         3           Science (S)         3           Science (S)         3           Science (Analysis (SA)         3           Cognitive Foundations of University Education:         0           Critical Thinking and Data Literacy (CTDL)         0           Schabits, Mindsets, and Wellness (HMW)         3           English Communication (E-Comm)         6           Chinese Communication (C-Comm)         3

## <u>Program-specific Credit Requirements of Major Programs under the 30-credit Common Core Curriculum</u>

		School of Business and Man	agement (SBM)	
	Undergraduate Programs	Professional Accounting (ACCT) Economics (ECON) Economics and Finance (ECOF) Finance (FINA) General Business Management (GBM) Global Business (GBUS)	Information Systems (IS) Marketing (MARK) Management (MGMT) Operations Management (OM) Quantitative Finance (QFIN)	
	0	Common Core Areas	Credit Red	uirements
	Common Core Groups	Common Core Areas	Required	Elective
	Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	3 (Substitutable by any 3 credits under ANY area in Broadening group)
		Arts (A)	3	
		Humanities (H)	3	
	Broadening	Science (S)	3	0
_		Technology (T)	3	
B		Social Analysis (SA)	0	
Business and Management (SBM)		Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	0	3 (Substitutable by any 3 credits under ANY area in Broadening group)
nagei	Foundations	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	3	
Ma		English Communication (E-Comm)	6	N/A
pu		Chinese Communication (C-Comm)	3	
SS 8		Total Credits	24	6
ine		Total Orcuits	3	0
3ns				
School of E	Undergraduate Program	World Business (WBB)		
Ņ	Common Core Groups	Common Core Areas	Credit Req	
Sc	·		Required	Elective
	Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	0 or 3 (This is an optional course.)
		Arts (A)	3	
		Humanities (H)	10	
	Broadening	Science (S)	8	0
		Technology (T)	3	
		Social Analysis (SA)	0	
		Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	4	
	Foundations	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	0	N/A
		English Communication (E-Comm)	4	
		Chinese Communication (C-Comm)	3	
		Total Credits	35	0 or 3
		Total Ofcults	35	-38

# Program-specific Credit Requirements of Major Programs under the 30-credit Common Core Curriculum

Undergraduate			
Program	Global China Studies (GCS)		
Common Coro Grouns	Common Core Areas	Cred	it Requirements
Common Core Groups	Common Core Areas	Required	Elective
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	3 (Substitutable by any 3 credits under area in Broadening group)
	Arts (A)	3	
	Humanities (H)	0	
Broadening	Science (S)	3	3
	Technology (T)	3	
	Social Analysis (SA)	0	
	Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	0	3 (Substitutable by any 3 credits under area in Broadening group)
Foundations	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	3	
	English Communication (E-Comm)	6	N/A
	Chinese Communication (C-Comm)	3	
	7.110.19	21	9
	Total Credits		
			30
			30
Undergraduate Program	Quantitative Social Analysis (QSA)		30
Program		Cred	it Requirements
	Quantitative Social Analysis (QSA)  Common Core Areas	Cred Required	
Program			it Requirements  Elective
Program  Common Core Groups	Common Core Areas	Required	it Requirements  Elective  3 (Substitutable by any 3 credits under
Program  Common Core Groups	Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)	<b>Required</b> 0	it Requirements  Elective  3 (Substitutable by any 3 credits under
Program  Common Core Groups	Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)	Required 0 3	it Requirements  Elective  3 (Substitutable by any 3 credits under
Program  Common Core Groups  Experiencing	Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)	Required 0 3 3	it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing	Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)	8	it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing	Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)	Required  0  3  3  3  3  3	it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  0
Program  Common Core Groups  Experiencing	Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)  Social Analysis (SA)  Cognitive Foundations of University Education:	Required  0  3  3  3  3  0	it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  0  (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing  Broadening	Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)  Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education:	Required  0  3 3 3 3 0 0	it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  0  (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing  Broadening	Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)  Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	Required  0  3  3  3  0  0  0  3  3  3  3  3  3	it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  0  (Substitutable by any 3 credits under area in Broadening group)

# Program-specific Credit Requirements of Major Programs under the 30-credit Common Core Curriculum

Undergraduate			
Program	Environmental Management and Technology (EVMT)		
Camman Cara Crauna	Common Core Areas	Cred	t Requirements
Common Core Groups	Common Core Areas	Required	Elective
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	3 (Substitutable by any 3 credits under A area in Broadening group)
	Arts (A)	3	
	Humanities (H)	3	
Broadening	Science (S)	3	0
	Technology (T)	3	
	Social Analysis (SA)	0	
Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)		0	3 (Substitutable by any 3 credits under area in Broadening group)
Foundations	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	3	
	English Communication (E-Comm)	6	N/A
	Chinese Communication (C-Comm)	3	
	Total One dita	24	6
	Total Credits	30	
Undergraduate Program	Individualized Interdisciplinary Major (IIM)		
		Cred	t Requirements
Common Core Groups	Common Core Areas	Cred Required	t Requirements  Elective
Common Core Groups  Experiencing	Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)		Elective 3
		Required	Elective  3 (Substitutable by any 3 credits under
	Undergraduate experiential Opportunities Programs (UxOP)	Required	Substitutable by any 3 credits under area in Broadening group)
	Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)	Required 0	Elective  3 (Substitutable by any 3 credits under area in Broadening group)
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)	Required 0	Substitutable by any 3 credits under area in Broadening group)
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)	Required 0	Elective  3 (Substitutable by any 3 credits under area in Broadening group)
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)	Required 0	Compared to the content of the con
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)  Social Analysis (SA)  Cognitive Foundations of University Education:	Required  0  (Credit requirement may differ to	Substitutable by any 3 credits under area in Broadening group)  12  Or individual students, please contact AIS.)  (Substitutable by any 3 credits under area in Broadening group)
Experiencing  Broadening	Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)  Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education:	Required  0  (Credit requirement may differ to the content of the	Elective  3 (Substitutable by any 3 credits under area in Broadening group)  12 or individual students, please contact AIS.)  3 (Substitutable by any 3 credits under
Experiencing  Broadening	Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)  Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	Required  0  (Credit requirement may differ to 0)	Substitutable by any 3 credits under area in Broadening group)  12  12  13  (Substitutable by any 3 credits under area in Broadening group)  3  (Substitutable by any 3 credits under area in Broadening group)

# Program-specific Credit Requirements of Dual Degree Program under the 30-credit Common Core Curriculum

	Academy of Interdiscipli	nary Studies (AIS)		
	Dual degree Program (DDP): School of Science (SSCI) & School of Business and Management (SBM):			
	Science Option:	Business Option:		
Undergraduate Programs	Biotechnology (BIOT)	Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)	л)	
Common Core Group	os Common Core Areas	Credit Re	equirements	
Common Core Group	common core Areas	Required	Elective	
Experiencing  Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	3 (Substitutable by any 3 credits under ANY area in Broadening group)	
disc	Arts (A)	3		
nter	Humanities (H)	3		
Broadening	Science (S)	0	3	
Supplies the suppl	Technology (T)	3		
cade	Social Analysis (SA)	0		
4	Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	0	3 (Substitutable by any 3 credits under ANY area in Broadening group)	
Foundations	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	3		
	English Communication (E-Comm)	6	N/A	
	Chinese Communication (C-Comm)	3		
	Total Credits	21	9	
	Total Ordito		30	

	Academy of Interdisciplinal	• , ,	2M)
	Dual degree Program (DDP): School of Engineering (SENG) & St		зм)
Undergraduate Programs	Engineering Option:  Aerospace Engineering (AE) Civil and Environmental Engineering (CIEV) Civil Engineering (CIVL) BEng in 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)	1)
Common Coro Groups	Common Core Areas	Credit Re	quirements
Common Core Groups	Common Core Areas	Required	Elective
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	3 (Substitutable by any 3 credits under AN area in Broadening group)
	Arts (A)	3	
	Humanities (H)	3	
Broadening	Science (S)	3	3
	Technology (T)	0	
	Social Analysis (SA)	0	
	Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	0	3 (Substitutable by any 3 credits under AN area in Broadening group)
Foundations	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	3	N/A
	English Communication (E-Comm)	6	N/A
	Chinese Communication (C-Comm)	3	
	, ,	· ·	
	Total Credits	21	9
	Total Credits		9
			30
	Dual degree Program (DDP): School of Engineering (SENG) & School of Engineering (SENG)	chool of Business and Management (Si	30
Undergraduate Programs			30 3M)
Programs	Dual degree Program (DDP): School of Engineering (SENG) & St Engineering Option: Bioengineering (BIEN) Chemical Engineering (CENG)	Ethool of Business and Management (Si Business Option: Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)	30 3M)
	Dual degree Program (DDP): School of Engineering (SENG) & St Engineering Option: Bioengineering (BIEN)	Ethool of Business and Management (Si Business Option: Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)	330 3M)
Programs	Dual degree Program (DDP): School of Engineering (SENG) & St Engineering Option: Bioengineering (BIEN) Chemical Engineering (CENG)	Ethool of Business and Management (Si Business Option: Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)	quirements  Elective  3
Programs  Common Core Groups	Dual degree Program (DDP): School of Engineering (SENG) & St Engineering Option:  Bioengineering (BIEN) Chemical Engineering (CENG)  Common Core Areas	Echool of Business and Management (Si Business Option: Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)	quirements  Elective  3 (Substitutable by any 3 credits under AN
Programs  Common Core Groups	Dual degree Program (DDP): School of Engineering (SENG) & St Engineering Option:  Bioengineering (BIEN) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)	Echool of Business and Management (Si Business Option: Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)  Credit Re	quirements  Elective  3 (Substitutable by any 3 credits under AN
Programs  Common Core Groups	Dual degree Program (DDP): School of Engineering (SENG) & St Engineering Option:  Bioengineering (BIEN) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)	Echool of Business and Management (Si Business Option: Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)  Credit Re Required  0	quirements  Elective  3 (Substitutable by any 3 credits under AN
Common Core Groups  Experiencing	Dual degree Program (DDP): School of Engineering (SENG) & Sc Engineering Option:  Bioengineering (BIEN) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H)	Echool of Business and Management (Si Business Option: Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)  Credit Re Required  0  3 3	quirements  Elective  3 (Substitutable by any 3 credits under Al area in Broadening group)
Common Core Groups  Experiencing	Dual degree Program (DDP): School of Engineering (SENG) & Sc Engineering Option:  Bioengineering (BIEN) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S)	Ethool of Business and Management (SI Business Option:  Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)  Credit Re Required  0  3  3  0	quirements  Elective  3 (Substitutable by any 3 credits under Al area in Broadening group)
Common Core Groups  Experiencing	Dual degree Program (DDP): School of Engineering (SENG) & St Engineering Option:  Bioengineering (BIEN) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S) Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	Echool of Business and Management (SI Business Option:  Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)  Credit Re Required  0  3  0  0	quirements  Elective  3 (Substitutable by any 3 credits under Anarea in Broadening group)  6
Common Core Groups  Experiencing	Dual degree Program (DDP): School of Engineering (SENG) & Sc Engineering Option:  Bioengineering (BIEN) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S) Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education:	Chool of Business and Management (Si Business Option:  Economics (ECON) Finance (FINA) General Business Management (GBM Global Business (GBUS) Marketing (MARK) Management (MGMT)  Credit Re Required  0  3  3  0  0  0	quirements  Elective  3 (Substitutable by any 3 credits under AN area in Broadening group)  6  (Substitutable by any 3 credits under AN area in Broadening group)
Common Core Groups  Experiencing  Broadening	Dual degree Program (DDP): School of Engineering (SENG) & St Engineering Option:  Bioengineering (BIEN) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S) Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL) Behavioral Foundations of University Education:	Ethool of Business and Management (Silbusiness Option:  Economics (ECON) Finance (FINA) General Business Management (GBM) Global Business (GBUS) Marketing (MARK) Management (MGMT)  Credit Reserved  0 3 3 0 0 0 0 0 3 6	quirements  Elective  3 (Substitutable by any 3 credits under AN area in Broadening group)  6  (Substitutable by any 3 credits under AN area in Broadening group)
Common Core Groups  Experiencing  Broadening	Dual degree Program (DDP): School of Engineering (SENG) & St Engineering Option:  Bioengineering (BIEN) Chemical Engineering (CENG)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A) Humanities (H) Science (S) Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL) Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	Ethool of Business and Management (Silbusiness Option:  Economics (ECON) Finance (FINA) General Business Management (GBM) Global Business (GBUS) Marketing (MARK) Management (MGMT)  Credit Reserved  0 3 3 0 0 0 0 0 3	quirements  Elective  3 (Substitutable by any 3 credits under AN area in Broadening group)  6  (Substitutable by any 3 credits under AN area in Broadening group)

## <u>Program-specific Credit Requirements of Major Programs under the 30-credit Common Core Curriculum</u>

Undergraduate Programs	Biotechnology and Business (BIBU) Mathematics and Economics (MAEC)		
Common Core Groups	Common Core Areas	Credit Requirements	
Common Core Groups	Common Core Areas	Required	Elective
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	3 (Substitutable by any 3 credits under area in Broadening group)
	Arts (A)	3	
	Humanities (H)	3	
Broadening	Science (S)	0	3
	Technology (T)	3	
	Social Analysis (SA)	0	
	Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	0	3 (Substitutable by any 3 credits under area in Broadening group)
Foundations	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	3	
	English Communication (E-Comm)	6	N/A
	Chinese Communication (C-Comm)	3	
		21	9
	Total Credits	21	9
	Total Credits  School of Science (SSCI) & School of I		30
Undergraduate Program			
Program	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)	Engineering (SENG)	
	School of Science (SSCI) & School of	Engineering (SENG)	30  lit Requirements  Elective
Program	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)	Engineering (SENG) Cred	30  lit Requirements  Elective  3
Program  Common Core Groups	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)  Common Core Areas	Engineering (SENG)  Cred  Required	it Requirements  Elective  3 (Substitutable by any 3 credits under
Program  Common Core Groups	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)	Engineering (SENG)  Cred  Required	it Requirements  Elective  3 (Substitutable by any 3 credits under
Program  Common Core Groups	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)	Engineering (SENG)  Cred  Required  0 3	it Requirements  Elective  3 (Substitutable by any 3 credits under
Program  Common Core Groups  Experiencing	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)	Engineering (SENG)  Cred  Required  0  3 3	30  Iit Requirements  Elective  3  (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)	Engineering (SENG)  Cred  Required  0  3  3  0	30  Iit Requirements  Elective  3  (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)	Engineering (SENG)  Cred Required  0  3  3  0  0	iit Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  3
Program  Common Core Groups  Experiencing	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)  Social Analysis (SA)  Cognitive Foundations of University Education:	Engineering (SENG)  Cred Required  0  3  0  0  0  3	It Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  3 (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing  Broadening	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)  Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education:	Engineering (SENG)  Cred Required  0  3  3  0  0  0  3	it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  3 (Substitutable by any 3 credits under area area area area area area area a
Program  Common Core Groups  Experiencing  Broadening	School of Science (SSCI) & School of I  Data Science and Technology (DSCT)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)  Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	Engineering (SENG)  Cred Required  0  3  3  0  0  0  3  3	it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  3  (Substitutable by any 3 credits under area in Broadening group)

## Program-specific Credit Requirements of Major Program under the 30-credit Common Core Curriculum

Undergraduate Program	Risk Management and Business Intelligence (RMBI)		
		Credit Requirements	
Common Core Groups	Common Core Areas	Required	Elective
Experiencing	Undergraduate experiential Opportunities Programs (UxOP)	0	3 (Substitutable by any 3 credits under a area in Broadening group)
	Arts (A)	3	
	Humanities (H)	3	
Broadening	Science (S)	0	6
	Technology (T)	0	
	Social Analysis (SA)	0	
	Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)	0	3 (Substitutable by any 3 credits under area in Broadening group)
Foundations	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	3	
	English Communication (E-Comm)	6	N/A
	Chinese Communication (C-Comm)	3	
	Total Credits	18	12
			30
Undergraduate Program	School of Business and Management (SBM) & Acade Sustainable and Green Finance (SGFN)		30
Program	School of Business and Management (SBM) & Acade Sustainable and Green Finance (SGFN)	my of Interdisciplinary Studies	30
•	School of Business and Management (SBM) & Acade	my of Interdisciplinary Studies	30 (AIS)
Program	School of Business and Management (SBM) & Acade Sustainable and Green Finance (SGFN)	my of Interdisciplinary Studies	30  (AIS)  it Requirements  Elective  3
Program  Common Core Groups	School of Business and Management (SBM) & Acade  Sustainable and Green Finance (SGFN)  Common Core Areas	my of Interdisciplinary Studies Cred Required	(AIS)  iit Requirements  Elective  3 (Substitutable by any 3 credits under
Program  Common Core Groups	School of Business and Management (SBM) & Acade  Sustainable and Green Finance (SGFN)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)	emy of Interdisciplinary Studies  Cred  Required	(AIS)  iit Requirements  Elective  3 (Substitutable by any 3 credits under
Program  Common Core Groups	School of Business and Management (SBM) & Acade  Sustainable and Green Finance (SGFN)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)	comp of Interdisciplinary Studies  Cred  Required  0  3	(AIS)  iit Requirements  Elective  3 (Substitutable by any 3 credits under
Program  Common Core Groups  Experiencing	School of Business and Management (SBM) & Acade  Sustainable and Green Finance (SGFN)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)	rmy of Interdisciplinary Studies  Cred  Required  0  3 3	(AIS)  it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing	School of Business and Management (SBM) & Acade  Sustainable and Green Finance (SGFN)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)	rmy of Interdisciplinary Studies  Cred  Required  0  3  3  3	(AIS)  it Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing	School of Business and Management (SBM) & Acade  Sustainable and Green Finance (SGFN)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H)  Science (S)  Technology (T)	Cred Required  0  3 3 3 3	(AIS)  Iit Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  0
Program  Common Core Groups  Experiencing	School of Business and Management (SBM) & Acade  Sustainable and Green Finance (SGFN)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H) Science (S)  Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education:	Cred Required  3 3 3 0	(AIS)  Iit Requirements  Elective  3 (Substitutable by any 3 credits underarea in Broadening group)  0  (Substitutable by any 3 credits underarea in Broadening group)
Program  Common Core Groups  Experiencing  Broadening	School of Business and Management (SBM) & Acade  Sustainable and Green Finance (SGFN)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H) Science (S) Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education:	Cred Required  3 3 3 0	(AIS)  It Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  0  (Substitutable by any 3 credits under area in Broadening group)
Program  Common Core Groups  Experiencing  Broadening	School of Business and Management (SBM) & Acade  Sustainable and Green Finance (SGFN)  Common Core Areas  Undergraduate experiential Opportunities Programs (UxOP)  Arts (A)  Humanities (H) Science (S)  Technology (T) Social Analysis (SA)  Cognitive Foundations of University Education: Critical Thinking and Data Literacy (CTDL)  Behavioral Foundations of University Education: Habits, Mindsets, and Wellness (HMW)	Cred Required  3 3 3 0 0 3	(AIS)  Iit Requirements  Elective  3 (Substitutable by any 3 credits under area in Broadening group)  0  (Substitutable by any 3 credits under area in Broadening group)