

Cohesive Cluster Formation

(last updated 17 May 2017)

Students must complete 9 Gen Ed elective courses - 3 in *Arts & Humanities* (AH), 3 in *Social Sciences* (SS) and 3 in *Quantitative Sciences* (QS). Each group of three courses forms a *cohesive cluster*. Gen Ed cohesive clusters consist of **3 thematically or methodologically related courses at least one lower division course (100-level) and at least one upper division course (200-level)**. **To form a cluster all three courses should have the same quadrant number.** For example, *E&C 103, CHSS 130 and EPIC 231 form a cohesive cluster within the quadrant # 1 The World of Human Symbols*.

Courses that cluster in *more than one field can only be counted once* (e.g. CHSS 251 counts either as AH or SS). Some major courses may also be offered as Gen Ed courses for non-majors (e.g. MATH 101.) CS or BAB majors cannot count MATH 101 as a Gen Ed course.

This approach to general education aims to give students flexibility to study subjects they are interested in and to find connections within and between disciplines, while assure broad exposure to different kinds of thinking. The following are some sample clusters. They are suggestive, not exhaustive. You are encouraged to propose other combinations, which are subject to **case-by-case approval**. If you changed majors or took General Education courses before Fall 2016 and have questions about **case-by-case** clusters, please confer with the General Education Adviser or Dean of CHSS.

Arts & Humanities	Social Sciences	Quantitative Sciences
Quadrant # 1. The World of Human Symbols includes courses dealing with: Art, Literature, Music, Film, Cinema, Culture, Design, Drama, Linguistics, Media, Communications, Rhetoric, Logic, Great Books, Negotiation, Discourse Analysis,	Quadrant # 4. Society and Culture includes courses dealing with: Law, Political Science, Political Philosophy, Sociology, Culture, Economics, Media, Communications, Development Policy, Regional Politics/International Relations, Negotiation	Quadrant # 7. The Living World includes courses dealing with: Environmental/Climate, Biology, Health, Food, Water, and supporting fields, such as Engineering, Math, Chemistry, Physics, Statistics and Data & Information Science, Critical Thinking, Geography
Quadrant # 2. The Diversity of Human Experience in Time and Space, includes courses dealing with: History, Archeology, Political Science, Culture, Geography, Regional Politics/International Relations, Religion	Quadrant # 5. Economics & Finance includes courses dealing with: Economics, Business, Personal Finance, Accounting, Trade, Development Policy, Innovation/Entrepreneurship, Political Science	Quadrant # 8. The Physical World includes courses dealing with: Environmental/Climate, Physics, Chemistry, Engineering, Disasters, Water, Energy, and supporting fields, such as Math, Chemistry, Physics, Biology, Statistics and Data & Information Science, Critical Thinking
Quadrant # 3. Beliefs and Thought includes courses dealing with: Religion, Philosophy, Political Philosophy, Rhetoric, Logic, Critical Thinking, Ethics, Literature, Psychology, Culture, Discourse Analysis, Statistics for Humanities	Quadrant # 6. Individual & Society includes courses dealing with: Psychology and related fields, such as Critical Thinking, Education, Ethics, Social Psychology, Sociology, Media, Communications	Quadrant # 9. The Built World includes courses dealing with: Technology, Design, Engineering, Critical Thinking, Innovation, Entrepreneurship, Energy, Environmental/Climate and supporting fields, such as Math, Chemistry, Physics, Biology, Statistics and Data

It is highly recommended that clusters be formed according to the updated guidelines. However, if you are graduating in **2017/2018** and you have already formed your clusters based on previously published guidelines, you may rely on the old versions. If you are relying on the old version, it is advisable to keep a copy for your records.

Courses from the same quadrant form clusters that satisfy the GenEd breadth requirement.

- Arts & Humanities (AH) – Quadrants 1, 2, 3
- Social Sciences (SS) – Quadrants 4, 5, 6
- Quantitative Sciences (QS) – Quadrants 7, 8, 9

CHART BY QUADRANT NUMBERS

Quadrant Number	Code	No	Course Name	Clusters with Quadrant #
1	CHSS	112	Logic & Rhetoric	1, 3
1	CHSS	130	Introduction to Art	1
1	CHSS	140	Music Appreciation	1
1	CHSS	141	Understanding the XXth century through Music	1, 2
1	CHSS	142	Music Theory	1
1	CHSS	151	Introduction to French Language & Culture	1, 2, 4
1	CHSS	152	Introduction to Korean Language & Culture	1, 2, 4
1	CHSS	153	Introduction to Japanese Language & Culture	1, 2, 4
1	CHSS	154	Armenian Language & Culture	1, 2, 4
1	CHSS	155	Introduction to Russian Language & Culture	1, 2, 4
1	CHSS	156	Introduction to Latin Language & Culture	1, 2, 4
1	CHSS	157	Introduction to Italian Language & Culture	1, 2, 4
1	CHSS	159	Intro to Chinese Language & Culture	1, 2, 4
1	CHSS	190	Armenian Heritage & Culture	1, 2, 4
1	CHSS	192	Introduction to Classical Cultures	1, 2, 4
1	CHSS	211	Great Books	1, 2, 3
1	CHSS	230	Asian Art	1, 2
1	CHSS	231	Armenian Visual Traditions	1, 2
1	CHSS	232	Topics in Western Art History	1, 2
1	CHSS	233	Creative Productions	1, 2
1	CHSS	234	Cultural Policy and Arts Management	1, 2, 4, 5
1	CHSS	240	Music and Literature	1
1	CHSS	251	Topics in Cinema	1, 2, 4
1	CHSS	256	Latin Language & Literature	1, 2
1	CHSS	261	Armenian Literature in Perspective	1, 2
1	CHSS	262	Russian Language and Literature	1, 2
1	CHSS	272	Comparative Religion	1, 2, 3, 4, 6
1	CHSS	291	Modernism	1, 2, 4
1	CHSS	293	Intro to Armenian Studies	1, 2
1	CSE	291	Introduction to Product Design	1, 9

Quadrant Number	Code	No	Course Name	Clusters with Quadrant #
1	E&C	103	Introduction to Language and Culture	1, 2, 4
1	E&C	104	Introduction to Communications	1, 4
1	E&C	105	Structure of English	1
1	E&C	120	American Literature 1	1
1	E&C	121	English Literature 1	1
1	E&C	122	World Literature 1	1, 2
1	E&C	125	Introduction to Acting Technique	1
1	E&C	130	Introduction to Journalism	1, 4
1	E&C	140	Expository Writing	1
1	E&C	141	Persuasive Writing	1
1	E&C	151	Consecutive & Simultaneous Interpreting	1
1	E&C	200	Discourse Analysis	1
1	E&C	220	American Literature 2	1
1	E&C	221	English Literature 2	1
1	E&C	222	World Literature 2	1, 2
1	E&C	227	Modern Poetry	1, 3
1	E&C	231	Public Speaking	1
1	E&C	232	Public Relations	1, 4, 5
1	E&C	233	Professional Communications	1, 5
1	E&C	234	Advertising	1, 4, 5
1	E&C	235	Communications Ethics	1, 3
1	E&C	237	Filmmaking 1	1, 4
1	E&C	238	Media & Society	1, 4, 5, 6
1	E&C	240	Creative Writing	1
1	E&C	243	Practice of Art of Non-Fiction	1
1	E&C	244	Writing for Media	1, 4
1	E&C	245	Writing for Tourism, Culture and Country Promotion	1, 4
1	E&C	246	Business Journalism	5, 1
1	E&C	250	Introduction to Translation	1
1	E&C	253	Literary Translation	1
1	E&C	260	Negotiation	1, 4
1	E&C	261	World Media	1, 2, 4
1	E&C	262	Filmmaking 2	1, 4
1	E&C	263	Opinion Making in the Age of New Media	1, 4, 6
1	E&C	264	Intro to Photography	1
1	EPIC	231	Design and Fabrication	1, 9
2	CHSS	125	Middle East History	2, 4
2	CHSS	127	World Civilizations 1	2, 4
2	CHSS	128	History of the Modern World	2, 4
2	CHSS	129	Global Perspectives and Site Stories	2, 4
2	CHSS	141	Understanding the XXth century through Music	2, 1
2	CHSS	151	Introduction to French Language & Culture	2, 4, 1

Quadrant Number	Code	No	Course Name	Clusters with Quadrant #
2	CHSS	152	Introduction to Korean Language & Culture	2, 4, 1
2	CHSS	153	Introduction to Japanese Language & Culture	2, 4, 1
2	CHSS	154	Armenian Language & Culture	2, 4, 1
2	CHSS	155	Introduction to Russian Language & Culture	2, 4, 1
2	CHSS	156	Introduction to Latin Language & Culture	2, 4, 1
2	CHSS	157	Introduction to Italian Language & Culture	2, 4, 1
2	CHSS	159	Intro to Chinese Language & Culture	2, 4, 1
2	CHSS	185	Introduction to Genocide Studies	2, 4
2	CHSS	186	World Regional Geography	2, 4
2	CHSS	190	Armenian Heritage & Culture	2, 4, 1
2	CHSS	192	Introduction to Classical Cultures	2, 4, 1
2	CHSS	195	Introduction to Archaeology	2, 4
2	CHSS	211	Great Books	2, 3, 1
2	CHSS	220	Study of History	2, 4
2	CHSS	221	Ancient Near East	2, 4
2	CHSS	230	Asian Art	2, 1
2	CHSS	231	Armenian Visual Traditions	2, 1
2	CHSS	232	Topics in Western Art History	2, 1
2	CHSS	233	Creative Productions	2, 1
2	CHSS	234	Cultural Policy and Arts Management	2, 4, 5, 1
2	CHSS	251	Topics in Cinema	2, 4, 1
2	CHSS	255	Russian Professional Communication	2, 5, 1
2	CHSS	255	Russian Professional Communication	2, 5, 1
2	CHSS	256	Latin Language & Literature	2, 1
2	CHSS	261	Armenian Literature in Perspective	2, 1
2	CHSS	262	Russian Language and Literature	2, 1
2	CHSS	272	Comparative Religion	2, 3, 4, 6, 1
2	CHSS	285	Genocide Studies and Human Rights Seminar	2, 4
2	CHSS	290	Cultural Geography	2, 4
2	CHSS	291	Modernism	2, 4, 1
2	CHSS	292	Gender & Social Change	2, 4
2	CHSS	293	Intro to Armenian Studies	2, 1
2	E&C	103	Introduction to Language and Culture	2, 4, 1
2	E&C	261	World Media	2, 4, 1
2	PSIA	201	Political Philosophy	2, 3, 4
2	PSIA	272	Geopolitics of Asia	2, 4, 5
2	PSIA	273	Geopolitics of Europe	2, 4, 5
2	PSIA	282	Survey of Regional Politics	2, 4, 5
3	CHSS	110	Introduction to Philosophy	3, 6
3	CHSS	111	Introduction to Ethics	3, 6
3	CHSS	112	Logic & Rhetoric	3, 1
3	CHSS	114	Introduction to Religion	3, 6

Quadrant Number	Code	No	Course Name	Clusters with Quadrant #
3	CHSS	180	Introduction to Psychology	3, 6
3	CHSS	183	Statistics for Humanities and Social Sciences	3, 7, 8, 9
3	CHSS	202	Perspectives in Education	3, 6
3	CHSS	210	Philosophy, Politics and Economics Seminar	3, 4, 5
3	CHSS	211	Great Books	3, 2, 1
3	CHSS	212	Epistemology & Philosophy of Science	3, 7, 8, 9
3	CHSS	272	Comparative Religion	3, 4, 6, 1, 2
3	CHSS	281	Human Development & Personality	3, 6, 7
3	CHSS	280	Clinical Psychology	3, 6
3	CSE	111	The Scientific Method & Critical Thinking	3, 6, 7, 8, 9
3	CSE	210	Historical Development of Mathematical Ideas	3, 7, 8, 9
3	CSE	262	Human Brain	3, 6, 7
3	E&C	227	Modern Poetry	3, 1
3	E&C	235	Communications Ethics	3, 1
3	LAW	160	Law & Justice in Popular Culture	3, 4
3	PSIA	201	Political Philosophy	3, 4, 2
4	BUS	101	Introduction to Economics	4, 5
4	BUS	288	Business Analytics	4, 5, 7, 8, 9
4	CHSS	125	Middle East History	4, 2
4	CHSS	127	World Civilizations 1	4, 2
4	CHSS	128	History of the Modern World	4, 2
4	CHSS	129	Global Perspectives and Site Stories	4, 2
4	CHSS	151	Introduction to French Language & Culture	4, 2, 1
4	CHSS	152	Introduction to Korean Language & Culture	4, 2, 1
4	CHSS	153	Introduction to Japanese Language & Culture	4, 2, 1
4	CHSS	154	Armenian Language & Culture	4, 2, 1
4	CHSS	155	Introduction to Russian Language & Culture	4, 2, 1
4	CHSS	157	Introduction to Italian Language & Culture	4, 1, 2
4	CHSS	159	Intro to Chinese Language & Culture	4, 1, 2
4	CHSS	181	Introduction to Sociology	4, 6
4	CHSS	185	Introduction to Genocide Studies	4, 2
4	CHSS	186	World Regional Geography	4, 2
4	CHSS	190	Armenian Heritage & Culture	4, 1, 2
4	CHSS	195	Introduction to Archaeology	4, 2
4	CHSS	220	Study of History	4, 2
4	CHSS	221	Ancient Near East	4, 2
4	CHSS	234	Cultural Policy and Arts Management	4, 5, 1, 2
4	CHSS	251	Topics in Cinema	4, 1, 2
4	CHSS	272	Comparative Religion	4, 6, 1, 2, 3
4	CHSS	282	Trade	4, 5
4	CHSS	285	Genocide Studies and Human Rights Seminar	4, 2
4	CHSS	290	Cultural Geography	4, 2

Quadrant Number	Code	No	Course Name	Clusters with Quadrant #
4	CHSS	292	Gender & Social Change	4, 2
4	CHSS	156	Introduction to Latin Language & Culture	4, 2, 1
4	CHSS	192	Introduction to Classical Cultures	4, 1, 2
4	CHSS	210	Philosophy, Politics and Economics Seminar	4, 5, 3
4	CHSS	291	Modernism	4, 2, 1
4	E&C	103	Introduction to Language and Culture	4, 2, 1
4	E&C	104	Introduction to Communications	4, 1
4	E&C	130	Introduction to Journalism	4, 1
4	E&C	232	Public Relations	4, 5, 1
4	E&C	234	Advertising	4, 5, 1
4	E&C	236	Survey and Polling Methodology	4
4	E&C	237	Filmmaking 1	4, 1
4	E&C	238	Media & Society	4, 5, 6, 1
4	E&C	244	Writing for Media	4, 1
4	E&C	260	Negotiation	4, 1
4	E&C	261	World Media	4, 2, 1
4	E&C	262	Filmmaking 2	4, 1
4	E&C	263	Opinion Making in the Age of New Media	4, 6, 1
4	ECON	122	Principles of Macroeconomics	4, 5
4	ENV	203	Environmental Monitoring	4, 7, 8, 9
4	ENV	204	Environmental Impact Assessment	4, 7, 8, 9
4	ENV	211	Sustainable Cities	4, 7, 8, 9
4	ENV	212	Mining	4, 7, 8, 9
4	ENV	215	Urban Environment Mapping	4, 7, 8, 9
4	ENV	251	Forests	4, 7, 9
4	LAW	101	Law in Everyday Life	4
4	LAW	110	Introduction to Armenian Justice System	4
4	LAW	112	Armenian Constitution	4
4	LAW	142	Introduction to Human Rights	4
4	LAW	160	Law & Justice in Popular Culture	4, 3
4	PSIA	101	Introduction to Political Science	4
4	PSIA	102	Introduction to US Government	4
4	PSIA	103	Introduction to Armenian Government	4
4	PSIA	105	Intro to International Relations	4
4	PSIA	201	Political Philosophy	4, 2, 3
4	PSIA	272	Geopolitics of Asia	4, 5, 2
4	PSIA	281	Development Policy	4, 5
4	PSIA	273	Geopolitics of Europe	4, 5, 2
4	PSIA	282	Survey of Regional Politics	4, 5, 2
5	BUS	101	Introduction to Economics	5, 4
5	BUS	102	Introduction to Personal Finance	5
5	BUS	105	Foundations of Management	5

Quadrant Number	Code	No	Course Name	Clusters with Quadrant #
5	BUS	109	Introduction to Business	5
5	BUS	288	Business Analytics	5, 7, 8, 9, 4
5	CHSS	210	Philosophy, Politics and Economics Seminar	5, 3, 4
5	CHSS	234	Cultural Policy and Arts Management	5, 1, 2, 4
5	CHSS	255	Russian Professional Communication	5, 1, 2
5	CHSS	282	Trade	5, 4
5	CSE	181	Creativity and Technological Innovation	5, 9
5	CSE	290	Start-up Culture	5, 7, 8, 9
5	E&C	232	Public Relations	5, 1, 4
5	E&C	233	Professional Communications	5, 1
5	E&C	234	Advertising	5, 1, 4
5	E&C	238	Media & Society	5, 6, 1, 4
5	E&C	246	Business Journalism	1, 5
5	ECON	121	Principles of Microeconomics	5
5	ECON	122	Principles of Macroeconomics	5, 4
5	PSIA	272	Geopolitics of Asia	5, 2, 4
5	PSIA	281	Development Policy	5, 4
5	PSIA	273	Geopolitics of Europe	5, 2, 4
5	PSIA	282	Survey of Regional Politics	5, 2, 4
6	CHSS	110	Introduction to Philosophy	6, 3
6	CHSS	111	Introduction to Ethics	6, 3
6	CHSS	114	Introduction to Religion	6, 3
6	CHSS	180	Introduction to Psychology	6, 3
6	CHSS	181	Introduction to Sociology	6, 4
6	CHSS	202	Perspectives in Education	6, 3
6	CHSS	272	Comparative Religion	6, 1, 2, 3, 4
6	CHSS	281	Human Development & Personality	6, 7, 3
6	CHSS	280	Clinical Psychology	6, 3
6	CSE	111	The Scientific Method & Critical Thinking	6, 7, 8, 9, 3
6	CSE	264	Human Brain	6, 3, 7
6	E&C	238	Media & Society	6, 1, 4, 5
6	E&C	263	Opinion Making in the Age of New Media	6, 1, 4
7	BUS	110	Applied Statistics	7, 8, 9
7	BUS	288	Business Analytics	7, 8, 9, 4, 5
7	CHSS	183	Statistics for Humanities and Social Sciences	7, 8, 9, 3
7	CHSS	212	Epistemology & Philosophy of Science	7, 8, 9, 3
7	CHSS	281	Human Development & Personality	7, 3, 6
7	CS	100	Calculus 1	7, 8, 9
7	CS	102	Calculus 3	7, 8, 9
7	CS	104	Linear Algebra	7, 8, 9
7	CS	111	Discrete Math	7, 8, 9
7	CS	101	Calculus 2	7, 8, 9

Quadrant Number	Code	No	Course Name	Clusters with Quadrant #
7	CSE	111	The Scientific Method & Critical Thinking	7, 8, 9, 3, 6
7	CSE	112	Mathematical Thinking	7, 8, 9
7	CSE	120	Introduction to the World of Programming	7, 8, 9
7	CSE	141	Introduction to Data	7, 8, 9
7	CSE	145	Geographic Information Systems	7, 8, 9
7	CSE	162	Bioscience	7, 8, 9
7	CSE	165	Introduction to Chemistry	7, 8, 9
7	CSE	171	Conceptual Physics	7, 8, 9
7	CSE	190	Engineering for non-Engineers	7, 8, 9
7	CSE	210	Historical Development of Mathematical Ideas	7, 8, 9, 3
7	CSE	241	Data Mining	7, 8, 9
7	CSE	262	Quantitative Biology	7, 8, 9
7	CSE	263	Human Physiology	7
7	CSE	264	Human Brain	7, 3, 6
7	CSE	270	Sports Analytics	7, 8, 9
7	CSE	271	Number Statistics and the Environment	7, 8, 9
7	CSE	285	How things work	7, 8, 9
7	CSE	290	Start-up Culture	7, 8, 9, 5
7	ENV	101	Introduction to Environmental Sciences	7, 8, 9
7	ENV	120	Food	7, 9
7	ENV	170	Chemistry in Everyday Life	7, 8, 9
7	ENV	202	Environmental Projects	7, 8, 9
7	ENV	203	Environmental Monitoring	7, 8, 9, 4
7	ENV	204	Environmental Impact Assessment	7, 8, 9, 4
7	ENV	210	Disasters	7, 8, 9
7	ENV	211	Sustainable Cities	7, 8, 9, 4
7	ENV	212	Mining	7, 8, 9, 4
7	ENV	215	Urban Environment Mapping	7, 8, 9, 4
7	ENV	230	Water	7, 8
7	ENV	250	Biodiversity: Conservation and Restoration	7
7	ENV	251	Forests	7, 9, 4
7	PH	101	Basics of Healthy Lifestyle	7
7	PH	201	Global Health	7, 4
8	BUS	110	Applied Statistics	8, 9, 7
8	BUS	288	Business Analytics	8, 9, 4, 5, 7
8	CHSS	183	Statistics for Humanities and Social Sciences	8, 9, 3, 7
8	CHSS	212	Epistemology & Philosophy of Science	8, 9, 3, 7
8	CS	100	Calculus 1	8, 9, 7
8	CS	102	Calculus 3	8, 9, 7
8	CS	104	Linear Algebra	8, 9, 7
8	CS	111	Discrete Math	8, 9, 7
8	CS	101	Calculus 2	8, 9, 7

Quadrant Number	Code	No	Course Name	Clusters with Quadrant #
8	CSE	111	The Scientific Method & Critical Thinking	8, 9, 3, 6, 7
8	CSE	112	Mathematical Thinking	8, 9, 7
8	CSE	120	Introduction to the World of Programming	8, 9, 7
8	CSE	141	Introduction to Data	8, 9, 7
8	CSE	145	Geographic Information Systems	8, 9, 7
8	CSE	151	Introduction to Energy Sources	8, 9
8	CSE	162	Bioscience	8, 9, 7
8	CSE	165	Introduction to Chemistry	8, 9, 7
8	CSE	171	Conceptual Physics	8, 9, 7
8	CSE	175	Relativity	8
8	CSE	190	Engineering for non-Engineers	8, 9, 7
8	CSE	210	Historical Development of Mathematical Ideas	8, 9, 3, 7
8	CSE	241	Data Mining	8, 9, 7
8	CSE	262	Quantitative Biology	8, 9, 7
8	CSE	270	Sports Analytics	8, 9, 7
8	CSE	271	Number Statistics and the Environment	8, 9, 7
8	CSE	285	How things work	8, 9, 7
8	CSE	290	Start-up Culture	8, 9, 5, 7
8	ENV	101	Introduction to Environmental Sciences	8, 9, 7
8	ENV	140	Solid and Hazardous Waste	8, 9
8	ENV	170	Chemistry in Everyday Life	8, 9, 7
8	ENV	202	Environmental Projects	8, 9, 7
8	ENV	203	Environmental Monitoring	8, 9, 4, 7
8	ENV	204	Environmental Impact Assessment	8, 9, 4, 7
8	ENV	210	Disasters	8, 9, 7
8	ENV	211	Sustainable Cities	8, 9, 4, 7
8	ENV	212	Mining	8, 9, 4, 7
8	ENV	215	Urban Environment Mapping	8, 9, 4, 7
8	ENV	230	Water	8, 7
9	BUS	110	Applied Statistics	9, 7, 8
9	BUS	288	Business Analytics	9, 4, 5, 7, 8
9	CHSS	183	Statistics for Humanities and Social Sciences	9, 3, 7, 8
9	CHSS	212	Epistemology & Philosophy of Science	9, 3, 7, 8
9	CS	100	Calculus 1	9, 7, 8
9	CS	102	Calculus 3	9, 7, 8
9	CS	104	Linear Algebra	9, 7, 8
9	CS	111	Discrete Math	9, 7, 8
9	CS	101	Calculus 2	9, 7, 8
9	CSE	111	The Scientific Method & Critical Thinking	9, 3, 6, 7, 8
9	CSE	112	Mathematical Thinking	9, 7, 8
9	CSE	120	Introduction to the World of Programming	9, 7, 8
9	CSE	141	Introduction to Data	9, 7, 8

Quadrant Number	Code	No	Course Name	Clusters with Quadrant #
9	CSE	145	Geographic Information Systems	9, 7, 8
9	CSE	151	Introduction to Energy Sources	9, 8
9	CSE	162	Bioscience	9, 7, 8
9	CSE	165	Introduction to Chemistry	9, 7, 8
9	CSE	171	Conceptual Physics	9, 7, 8
9	CSE	181	Creativity and Technological Innovation	9, 5
9	CSE	190	Engineering for non-Engineers	9, 7, 8
9	CSE	210	Historical Development of Mathematical Ideas	9, 3, 7, 8
9	CSE	241	Data Mining	9, 7, 8
9	CSE	262	Quantitative Biology	9, 7, 8
9	CSE	270	Sports Analytics	9, 7, 8
9	CSE	271	Number Statistics and the Environment	9, 7, 8
9	CSE	285	How things work	9, 7, 8
9	CSE	290	Start-up Culture	9, 5, 7, 8
9	CSE	291	Introduction to Product Design	9, 1
9	ENV	101	Introduction to Environmental Sciences	9, 7, 8
9	ENV	120	Food	9, 7
9	ENV	140	Solid and Hazardous Waste	9, 8
9	ENV	170	Chemistry in Everyday Life	9, 7, 8
9	ENV	202	Environmental Projects	9, 7, 8
9	ENV	203	Environmental Monitoring	9, 4, 7, 8
9	ENV	204	Environmental Impact Assessment	9, 4, 7, 8
9	ENV	210	Disasters	9, 7, 8
9	ENV	211	Sustainable Cities	9, 4, 7, 8
9	ENV	212	Mining	9, 4, 7, 8
9	ENV	215	Urban Environment Mapping	9, 4, 7, 8
9	ENV	251	Forests	9, 4, 7
9	EPIC	231	Design and Fabrication	9, 1