

Data Domain Electives

<u>Course #</u>	<u>Course Name</u>	<u>Credits</u>	<u>Semester</u>	<u>Required Pre-Reqs (C minimum grade needed)</u>
<i>Data Domain</i>				
ANTH 5234	Population Issues in Anthropology	3	Fall	MATH 1030 OR higher AND (ANTH 1010 OR ANTH 1020 OR ANTH 1030 OR ANTH 1050)
ASTR 3850	Lightsapes	3	Fall	
ASTR 4060	Observational Astronomy	3	Fall	"C-" or better in (MATH 1210 OR MATH 1250 OR MATH 1311 OR MATH 1310 OR AP Calculus AB score of 4+ OR AP Calculus BC score of 3+) AND (PHYS 2010/2210/3210) AND (ASTR/PHYS 1060 OR PHYS 2020/2220/3220) OR instructor consent
ATMOS 3000	Professional Devel in Atmospheric Sciences	2	Fall	
ATMOS 5340	Environmental Programming AND Statistics	3	Fall	Co-Req: ATMOS 5000
ATMOS 5400	The Climate System	3	Fall	MATH 1050
BIOL 3515	Biological Chemistry Laboratory	3	Spring	Co-Req: C- or better BIOL 3510 OR CHEM 3510
BME 3101	Biosignals Analysis	3	Spring	"C" or better in ((MATH 2250 OR (MATH 2270 and 2280)) AND PHYS 2220) AND BME Upper-Division Ready (see Program Admission Requirements). Corequisites: "C" or better in (BME 3301 OR CS 1400 OR CS 1420).
BME 3202	Physiol for Engineers	4	Fall	"C" or better in (BME 3301 OR CS 1400 OR CS 1420) AND (BIOL 2020 OR BIOL 2021) AND BME Upper-Division Ready (see Program Admission Requirements).
BME 6005	Computational Neuroscience	3	Spring	Prerequisites: Graduate status OR Instructor Consent.
BME 6770	Genomic Signal Processing	3	Spring	Graduate status OR Instructor Consent

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BME 6780	Data Science for Bioengineers	3	Fall	Graduate status OR Instructor Consent
BMI 5010	Foundations of Health Informatics	2	Fall	
BMI 5018	Intro to Prog for Biomedical Data Science	3	Fall	
BMI 5030	Foundations of Bioninformatics	2	Fall	Recommended Prerequisites: Introduction to molecular biology and genetic concepts.
BMI 6015	Applied Machine Learning in BMI	3	Fall	B-' or better in (BMI 6016 AND BMI 6018 AND Full Major status in Biomedical Informatics) OR Instructor Consent
BMI 6060	Applied Computational Genomics	3	Spring	Knowledge of Molecular Biology (including introductory courses)
ECON 3100	Labor Economics	3	Fall/Spring/Summer	
ECON 3200	Money and Banking	3	Fall/Spring/Summer	
ECON 3500	International Economics	3	Fall/Spring	
ECON 3540	Current Econcomics Problems	3	Varies	
ECON 4650	Principles of Econometrics	3	Fall/Spring/Summer	C-' or better in ((ECON 3640 OR OIS 3440) OR "B" or better in (MATH 1070 OR OIS 2340 OR BCOR 2030) OR AP Statistics score of 3 or better).
FINAN 3000	Fund of Investing and Business Finance	3	Fall/Spring/Summer	C-' or better in MATH 1050 OR MATH 1080 OR MATH 1090 OR MATH 1100 OR MATH 1105 OR MATH 1210 OR MATH 1310 OR AP Calculus AB score of 2+ OR AP Calculus BC score of 2+
FINAN 3140	Intro to Bank & Fintech	3	Fall/Spring	
FINAN 4070	Investments	3	Fall/Spring/Summer	C-' or better in (BCOR 3010 OR ACCTG 3010 OR ACCTG 5050) AND (BCOR 3020 OR FINAN 3020 OR FINAN 5050)

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				AND Intermediate or Full Major status in the School of Business OR Full Major status in QAMO
FINAN 5050	Financial Management	3	Fall/Spring/Summer	C-' or better in MATH 1050 OR MATH 1080 OR MATH 1090 OR MATH 1100 OR MATH 1105 OR MATH 1210 OR MATH 1310 OR AP Calc AB score of 3+ OR AP Calc BC score of 3+
FINAN 5115	Fintech Workshop	3	Spring	C+ or better in BCOR 3020 OR FINAN 3020 OR FINAN 5050
FINAN 5140	Fintech Trading Lab	3	Fall	C-' or better in BCOR 3020 OR FINAN 3020 OR FINAN 5050
GEO 3070	Mineralogy and Petrology for Engineers	2	varies	GEO 1110 AND CHEM 1210 Corequisites: MATH 1210 OR MATH 1310
GEOG 3020	Geographic Analysis	4	Spring	SEE CATALOG FOR PREREQS
GEOG 3110	Introduction to Remote Sensing	3	Fall	
GEOG 4140	Adv Methods in Geographic Info Systems	4	Fall/Spring	C' or better in GEOG 3100
GEOG 5110	Environ. Analysis through Remote Sensing	3	Spring	"C" or better in GEOG 3110
GEOG 4150	Geospatial Big Data	4	Fall	C' or better in GEOG 4140
GEOG 5160	Spatial Modeling and Geocomputation	4	Spring	C' or better in GEOG 3160 AND GEOG 4140
GNDR 3635	The Price of Gender	3	Fall/Spring	
LING 2475	Language Myths	3	Fall/Spring	
LING 3020	Introduction to Syntax	3	Fall/Spring	C-' or better in LING 2200
LING 3340	Introduction to Computation Linguistics	3	Every other Spring	LING 2200 AND (LING 2300 OR CS 1420)

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ME EN 3310	Mechanics of Materials	3	Fall	SEE CATALOG FOR PREREQS
ME EN 3315	Mechanics of Materials Lab	1	Fall/Spring	Full Major status in Mechanical Engineering. Corequisites: 'C' or better in ME EN 3310
ME EN 4650	Thermal Fluid and Energy Systems Lab	3	Fall/Spring	SEE CATALOG FOR PREREQS
ME EN 5035	Design of Experiments	3	Spring	C' or better in (ME EN 2550 OR MATH 3070)
PHIL 3200	Deductive Logic	3	Fall/Spring/Summer	
PHIL 3210	Inductive Logic	3	Fall	
PHIL 3440	Cognitive Science	3	Fall/Spring	
PHIL 5200	Advanced Deductive Logic	3	Fall	PHIL 3200 OR PHIL 3210
PHIL 5210	Advanced Inductive Logic	3	Fall/Spring	PHIL 3200 OR PHIL 3210
PHIL 5220	Rational Choice Theory	3	Fall/Spring	PHIL 3200 OR PHIL 3210.
POLS 3001	Political Analysis	3	Fall/Spring/Summer	
POLS 6001	Quant Analysis-Pol S	3	Fall/Spring	Recommended Prerequisite: POLS 3001 or instructor consent.
PRT 3780	Evidence-based Decision Making in Parks, Recreation and Tourism	3	Fall/Summer	Complete 2 classes that fulfill a QA and WR2
PSY 3000	Statistical Methods in Psychology	4	Fall/Spring/Summer	SEE CATALOG FOR PREREQS
QAMO 2011	Honors Intro QuantBusEc	3	Fall	Department Consent

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QAMO 3010	Business Economics	3	Fall/Spring	SEE CATALOG FOR PREREQS
QAMO 3201	Money and Banking BEA	3	Fall/Spring	('B' or better in MATH 1220 OR MATH 1320 OR MATH 1321) OR AP Calculus BC score of 4+.
QAMO 4651	Econometrics for BEA	3	Fall	('B' or better in MATH 1220 OR MATH 1320 OR MATH 1321 OR AP Calculus BC score of 4+) AND ('B' or better in QAMO 3100).
ROBOT 6400	Neural Engineering and NeuroRobotics	4	Fall	Graduate status OR Instructor Consent
SOC 3673	Social Epidemiology	3	Fall/Spring/Summer	
STAT 5003	Survey of Statistical Computer Packages	3	Fall/Spring	Knowledge of spreadsheets and applied statistics through regression
WRTG 4030	Visual Rhetoric	3	Fall/Spring/Summer	WRTG 2009 OR 2010 OR WR2 equivalent

Other comparable courses may also be eligible to fulfill elective requirements. To request approval, please email ds-ugshelp@cs.utah.edu with the course name and number, a brief description of the course content (such as from the syllabus), and a short explanation of why you believe the course is appropriate for elective credit.