

MATH 1120	All sections	College Trigonometry	Algebra and Trigonometry Enhanced with Graphing Utilities MyLab Access	Sullivan & Sullivan	8th	9780135812846	Hard copy optional, MyLab required (etext included)	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester
MATH 1130	All sections	Precalculus Mathematics	ALEKS Account OpenStax: Precalculus 2e	Jay Abramson	2nd	978-1-951693-39-8	Both Required	ALEKS (No) OpenStax (Yes)	ALEKS Account	
MATH 1376	E01	Programming for Data Science								
MATH 1401	All sections	Calculus I	OER/low cost Texts					Yes		
MATH 2411	All sections	Calculus II	Calculus, Early Transcendentals	Briggs, Cochran, and Gillett Briggs, Cochran, Gillett, and Schulz	3rd	9780135904190 (18 wk)	Required	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester. Can choose 18-wk or 24 mymathlab month access
MATH 2421	All sections	Calculus III	Calculus, Multivariable (paperback optional) MyLab subscription (required, etext included, can buy on mymathlab.com)	Briggs, Cochran, and Gillett Briggs, Cochran, Gillett, and Schulz	3rd	9780134766799	Hard copy optional, MyLab required (etext included)	No	MyLab	MyLab includes eBook. To register to MyLab, you will need a course code. The course code will be given by your instructor at the start of the semester. Can choose 18-wk or 24 mymathlab month access
MATH 2830	All sections	Introductory Statistics	ALEKS Account OpenStax: Introductory Statistics 2e	Barbara Illowsky & Susan Dean	2nd	978-1-961584-32-7	Both Required	ALEKS (No) OpenStax (Yes)	ALEKS Account	
MATH 2831	All sections	Intro Statistics Workshop								
MATH 3000	001	Intro to Abstract Math								
MATH 3191	001	Applied Linear Algebra	Linear Algebra	Jim Hefferon	4th	N/A	Required	Yes	No	http://joshua.smcvt.edu/linearalgebra
MATH 3191	002	Applied Linear Algebra	Linear Algebra and Its Applications	David C. Lay Steven R. Lay Judí J. McDonald	6th	9780136880929	Required	No	Yes	and online system (MyLab) is \$79.99 (as of today)

MATH 3195	All sections	Linear Algebra Diff Equations	1. Elementary Differential Equations (Open Access textbooks), 2. Notes on Diffy Qs: Differential Equations for Engineers (Open Access textbooks) 3. Linear Algebra (Open Access textbooks)	1. Trench 2. Lebl 3. Hefferon	1. N/A 2. 6.4 3. 4th	1. N/A 2. 978-1-70623-023-6 3. 979-8362590277	All are Required	Yes	no	These are all free PDF textbooks
MATH 3200	001	Elementary Diff Equations	Exploring Differential Equations	Adam Spiegler	1st	N/A	Required	Yes	No	https://aspiegler.github.io/Exploring-Differential-Equations/
MATH 3301	001	Introduction to Optimization	Introduction to Mathematical Programming, Operations Research: Volume One.	Wayne L. Winston & Munirpallam Venkataramanan	4th	0534359647	Optional	yes	No	Students are not required to purchase anything. This resource is not technically OER, however, there is a PDF of the relevant chapters (1-9) available online for free so students have access to the relevant parts of the book without needing to pay.
MATH 3310	001	Intro to Real Analysis I	Real Analysis: A Long-Form Mathematics Textbook	Jay Cummings	2nd	978-1077254541	Required	Yes	No	https://longformmath.com/analysis-home
MATH 3382	002	Statistical Theory	Statistical Methods: Exploring the Uncertain	Adam Spiegler	1st	N/A	Required	Yes	No	https://aspiegler.github.io/Exploring-Differential-Equations/
MATH 3810	001	Introduction to Probability								
MATH 3939	900	Internship								
MATH 4387	001	Applied Regression Analysis	A Progressive Introduction to Linear Model	Joshua French			Required	Yes	No	https://jfrench.github.io/LinearRegression/
MATH 4650	001	Numerical Analysis I								
MATH 4779	001	Math Clinic								
MATH 4792	001	Probabilistic Modeling	Probabilistic Modeling	Isi Mitrani	2nd	ISBN-10:0521585309	Optional	yes	No	
MATH 4830	E01	Applied Statistics	Nelson, Christopher							
MATH 4840	900	Independent Study								
MATH 4880	900	Directed Research								
MATH 5310	001	Probability	Statistical Inference	& Roger L. Berger	2nd	N/A	Required	Yes	No	

MATH 5387	001	Applied Regression Analysis	A Progressive Introduction to Linear Model	Joshua French			Required	Yes	No	https://jfrench.github.io/LinearRegression/
MATH 5593	001	Linear Programming	A First Course in Linear Optimization	Jon Lee	4th	N/A	Required	Yes	No	Additional resources for this class are notes which get posted for students. Instructor does recommend additional textbooks in the syllabus for those who are interested but purchase is not required
MATH 5660	001	Numerical Analysis I								
MATH 5718	001	Applied Linear Algebra	Linear Algebra Done Right	Sheldon Axler	4th		Required	Yes	No	Book is freely available online but a hardcopy can be purchased. https://link.springer.com/book/10.1007/978-3-031-41026-0
MATH 5792	001	Probabilistic Modeling	Probabilistic Modeling	Isi Mitrani	2nd	ISBN-10:0521585309	Optional	yes	No	
MATH 5830	E01	Applied Statistics								
MATH 5840	900	Independent Study								
MATH 5939	900	Internship								
MATH 5950	900	Master's Thesis								
MATH 5960	900	Master's Project								
MATH 6388	E01	Statistical & Machine Learning								
MATH 6840	900	Independent Study								
MATH 6960	001	Res. Methods in Math & Stats								
MATH 7823	001	Topics in Discrete Math								
MATH 7921	900	Readings in Mathematics								
MATH 7923	900	Readngs: Discrete Mathematics								
MATH 7924	900	Rdgs:Comp Mathematics								
MATH 7925	900	Readings: Optimization								
MATH 7926	900	Readings: Applied Probability/Statistics								
MATH 8990	900	Doctoral Dissertation								

MCKE 5310	001	Introduction to Real Analysis I								
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