

AY 2016–2017

Dana Center
Mathematics
PATHWAYS

**TEXAS
TRANSFER
INVENTORY**

This resource contains detailed mathematics course requirements by program for all public universities in Texas.

Data were assembled from institutional course catalogs, academic program websites, and interviews with mathematics faculty and academic advisors. Data are accurate and have been updated to the best of our ability as of August 2016. We recommend that you verify information directly with universities before pursuing a program of study.

Please contact Jeremy Martin (jeremyryanmartin@austin.utexas.edu) if any information in this inventory needs to be updated.



The University of Texas at Austin
Charles A. Dana Center
www.dcmathpathways.org

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* These schools had not publicly released a 2016-2017 course catalog at the time of publication. Information is based on the most recently available catalog.

Angelo State University

University-Wide Core Math Requirement - 3 hours selected from the following: Cam 1351, Math 1314, 1324, 1332, 1342, 2313

Course Guide

Math 1314 College Algebra	Math 2314 Calculus II
Math 1316 Trigonometry w/ Analytic Geom.	Math 3301 Linear Algebra
Math 1324 Finite Mathematics I	Math 3307 Probability and Statistics
Math 1325 Business Calculus & Finite Math II	Math 3321 Statistics
Math 1332 Intro to Contemporary Math	Math 3333 Calculus III
Math 1342 Elementary Statistics	Math 3335 Differential Equations
Math 1350 Mathematics for Teachers I	Cam 1351 Mathematical Technology
Math 1351 Mathematics for Teachers II	Eng 3305 Probability and Risk in Engineering
Math 2305 Discrete Mathematics	Nurs 2337 Basic Statistics for Healthcare
Math 2312 Precalculus	Nurs 4337 Stat. Techniques for Healthcare
Math 2313 Calculus I	Psych 2321 Intermediate Statistics and Research Methods

Degree		Major	Math Requirements
College of Arts and Humanities			
B.A.A.S.	Applied Arts and Sciences		Only Core Math
B.F.A.	Art - Studio Art		Only Core Math
B.S.S.	Border and Homeland Security		Either Math 1332 or 1342
B.B.S.	Border Security		Either Math 1332 or 1342
B.A.	Communication		Only Core Math
B.S./B.A.	Criminal Justice		Either Math 1332 or 1342
B.A.	English		Only Core Math
B.A.	History		Only Core Math
B.I.S.S.A./B.S.S.	Intelligence, Security Studies & Analysis		Either Math 1332 or 1342
B.I.S.	Interdisciplinary Studies		Only Core Math. Minor may require additional Math courses.
B.A.	Mass Media		Only Core Math
B.A.	Music		Only Core Math
B.S.	Natural Resource Management		Either Math 1314 or 1324
B.A.	Philosophy		Only Core Math
B.A.	Political Science		Only Core Math
B.A.	Spanish		Only Core Math
B.A.	Theatre		Only Core Math
College of Business			

B.B.A.	Accounting	Math 1324
B.B.A.	Finance	Math 1324
B.B.A.	International Business	Math 1324
B.B.A.	Management	Math 1324
B.B.A.	Management Information Systems	Math 1324
B.B.A.	Marketing	Math 1324
College of Education		
B.S.	Interdisciplinary Studies - EC-6	Math 1324, 1350, and 1351
B.S.	Interdisciplinary Studies - EC-6 Generalist with EC-12 SPED	Math 1324, 1350, and 1351
B.S.	Interdisciplinary Studies - 4-8 Generalist	Math 1324, 1325, 1342, 1350, and 1351
Arhcer College of Health and Human Services		
B.S.	Exercise Science	Math 1314
B.S.H.S.P.	Health Science Professions	Only Core Math. Physical Therapy and Allied Health Profession (PTAH) track requires Math 1314.
B.S.	Kinesiology	Either Math 1314 or 1324 or 1332
B.S.N.	Nursing	Select one of the following: Math 1314, 1324, 1332, or 1342. And one of the following statistics courses: Nurs 2337, 4337, Math 1342, 3321, or Psyc 2321.*
B.A./B.S.	Psychology	Only Core Math
B.S.W.	Social Work	Only Core Math
B.A./B.S.	Sociology	Only Core Math
College of Science and Engineering		
B.S./B.B.A.	Agribusiness	Either Math 1314 or 1324
B.S.	Agricultural Science and Leadership	Either Math 1314 or 1324
B.S.	Animal Science	Either Math 1314 or 1324 or 1342
B.S.	Biology	Math 1314 and one of the following: 1316, 2312, 2313, 2314, or 3321**
B.S.	Chemistry	Either Math 1314 or 1342, 2313, and 2314***
B.S.C.E.	Civil Engineering	Math 2313, 2314, 3301, 3333, 3335, and either 3307 or Eng 3305
B.S.	Computer Science	Either Math 1314 or Cam 1351, Math 2305, and 2313
B.S.	Food Animal Science and Marketing	Either Math 1314 or 1324
B.S.	Geoscience	Math 2313, 2314, and 3333 ****
B.S.	Life Science (Biology) - Secondary Teacher Certification	Math 1314 and one of the following: 1316, 2312, 2313, 2314, or 3321
B.S.	Physics	Math 1151, 2313, 2314, 3301, 3333, and 3335*****
B.A./B.S.	Mathematics	Math 2331 and beyond. See course catalog p. 182 for details.

* Mathematics 1342 may be used to fulfill the Mathematics or Statistics requirement, but not both.

** Many graduate programs and health professions schools require one semester of calculus and one semester of math statistics or biometry.

*** Students may be required to take Mathematics 2312 before enrollment in Mathematics 2313. If so, this will reduce the number of elective hours.

**** The student is expected to have completed two years of high school algebra, one-half year of high school trigonometry, and a precalculus course. If not, the student will be advised whether Mathematics 2312 should be completed before enrollment in Mathematics 2313.

***** The student is expected to have completed two years of high school algebra, one year of high school geometry, and a precalculus course. If not, the student will be advised whether Mathematics 1314 and 2312 should be completed before enrollment in Mathematics 2313. The student must complete Mathematics 2313 and 2314 prior to the end of the second year of study and must complete Mathematics 3333 and 3335 prior to the end of the third year of study.

Lamar University

[University-Wide Core Math Requirement - 3 hours from Math 1314, 1316, 1325, 1332, 1342, 1350, 1414, 2311, 2312, 2413, or 2414. In addition, students must complete one of three component area options, which may require additional math coursework. See Undergraduate Academic Policies and Procedures section of the catalog for details.](#)

Course Guide

Math 1314 College Algebra (non-calculus track)	Math 3312 Prob Stats & Stat Modeling
Math 1316 Trigonometry	Math 3313 Elementary Geometry
Math 1325 Business Calculus	Math 3316 Calculus Concept & Modeling II
Math 1332 Contemporary Mathematics	Math 3328 Linear Algebra I
Math 1342 Elementary Statistics	Math 3370 Intro to the Theory of Statistical Inference
Math 1350 Fundamentals Math I	Math 3380 Analysis I
Math 1414 College Algebra (Calculus Track)	Math 3435 Calculus III
Math 2305 Discrete Mathematics	Bual 2310 Business Analysis I
Math 2311 Precalculus I	Bual 3310 Business Analysis II
Math 2312 Precalculus II	Econ 3320 Banking and Money
Math 2318 Linear Algebra I	Econ 3340 Intermediate Macroeconomics
Math 2376 Calculus for Social and Life Sciences	Inen 2301 Applications of Quantitative Methods
Math 2413 Calculus I	Inen 4320 Statistical Decision Making in Engineering
Math 2414 Calculus II	Pols 3351 Statistics for Social Scientists
Math 2415 Calculus III	Psyc 2317 Intro to Statistical Methods
Math 3301 Differential Equations	Psyc 3301 Advanced Statistics
Math 3311 Foundations of Mathematics I	Soci 4385 Social Data Analysis

Degree		Major	Math Requirements
College of Arts and Sciences			
B.A.A.S.	Applied Arts and Sciences		Only Core Math
B.S.	Biology		Math 2312 and Psyc 2317*
B.A.	Biochemistry		Math 1342 and 2413
B.A.	Chemistry		Math 1342 and 2414
B.S.	Chemistry		Math 2413, 2414, and 3435
B.S.	Chemistry - Biochemistry		Math 2413, 2414, and 3435
B.S.	Computer Information Science		Math 2413, 3328, and either 1342 or 3370 or Bual 3310
B.S.	Computer Science		Math 2413, 2414, 3370, either 3328 or 3435
B.S.	Computer Science - Game Development Concentration		Math 2413, 2414, 3328, 3370, and either 3322 or 3435
B.A.	Criminal Justice		Only Core Math
B.S.	Criminal Justice		Math 1314 and one statistics course
B.S.	Earth Science		Only Core Math
B.A.	English		Only Core Math
B.S.	Environmental Science		Math 2312 and Psyc 2317
B.S.	Forensic Chemistry		Math 1342 and 2414
B.A.	Modern Languages - French		Only Core Math
B.G.S.	General Studies		Core Math and either Bual 2310 or Inen 2301 or Psyc 2317
B.S.	Geology		Math 2413, 2414, and either 1342 or Psyc 2317

B.A.	History	Only Core Math
B.A./B.S.	Mathematics	Math 2314 and beyond. See course catalog for details.
B.S.N.	Nursing	Math 1314 and either Math 1342 or Psc 2317
B.S.	Physics	Math 2413, 2414, 3435, 3301, and 3328. Math concentration also requires the following: Math 4302 and 3-4 hours of Math at the 3000 or 4000 level
B.A.	Political Science	Only Core Math
B.S.	Political Science	Core Math and one of the following: Math 3312, Econ 3320, or 3340
B.A.	Psychology	Math 1314, Psc 2317, 3301, and one additional course above Math 1314
B.S.	Psychology	Math 1314, Psc 2317, 3301, and one additional course above Math 1314
B.A./B.S.	Sociology	Math 1314 (or higher) and either 1342 or Psc 2317
B.S.W.	Social Work	Math 1314 and either 1342 or Psc 2317
B.A.	Modern Languages - Spanish	Only Core Math
College of Business		
B.B.A.	Accounting	Math 1325 and Bual 2310
B.S.	Construction Management	Math 2312 and 1342
B.B.A.	Economics	Math 1325 and Bual 2310
B.B.A.	Finance	Math 1325 and Bual 2310
B.B.A.	General Business	Math 1325 and Bual 2310
B.B.A.	Human Resources Management	Math 1325 and Bual 2310
B.B.A.	Management	Math 1325 and Bual 2310
B.B.A.	Management Information Systems	Math 1325 and Bual 2310
B.B.A.	Marketing	Math 1325 and Bual 2310
College of Education and Human Development		
B.S.	Exercise Science & Fitness Management	Math 1314 and either 1342 or Psc 2317
B.S.	Health	Math 1314 and either 1342 or Psc 2317
B.S.	Interdisciplinary 4-8 English Language, Art, Reading	Math 1314, 1350, 3312, and 3313
B.S.	Interdisciplinary 4-8 Generalist	Math 1314, 1350, 3311, 3312, 3313, and 3316
B.S.	Interdisciplinary 4-8 Math	Math 1314, 1316, 2310, and beyond. See course catalog for details.
B.S.	Interdisciplinary 4-8 Math/Science	Math 1314, 2310, and beyond. See course catalog for details.
B.S.	Interdisciplinary 4-8 Social Studies	Math 1314, 1350, 3312, and 3313
B.S.	Interdisciplinary 4-8 Composite Science	Math 1314, 1350, 3312, and 3313
B.S.	Interdisciplinary EC-6 Generalist	Math 1314, 1350, 3312, and 3313
B.S.	Interdisciplinary EC-12 Special Education	Math 1314, 1350, 3312, and 3313
B.S.	Family Studies	Math 1314 and either Math 1342 or Psc 2317
B.S.	Kinesiology - Teacher Certification	Math 1314 and either 1342 or Psc 2317
B.S.	Nutrition, Dietetics & Hospitality - Administration	Math 1314 and either 1342 or Psc 2317
B.S.	Nutrition, Dietetics & Hospitality - Dietetics	Math 1314 and one of the following: Bual 2310, Inen 2301, Math 1342, or Psc 2317
B.S.	Nutrition, Dietetics & Hospitality - Foods and Nutrition	Math 1314 and one of the following: Bual 2310, Inen 2301, Math 1342, or Psc 2317
College of Engineering		
B.S.	Chemical Engineering	Math 2413, 2414, 3301, 3328, and 3370
B.S.	Civil Engineering	Math 2413, 2414, 3301, 3328, and 3435
B.S.	Electrical Engineering	Math 2413, 2414, 3301, 3328, 3370, and 3435
B.S.	Industrial Engineering	Math 2413, 2414, 3301, and 3328
B.S.	Industrial Technology	Math 1314 and Inen 2301

B.S.	Mechanical Engineering	Math 2413, 2414, 3301, 3328, 3435, and either Math 3370 or Inen 4320
College of Fine Arts and Communication		
B.A.	American Sign Language	Math 1314 and either 1342 or Psyc 2317
B.S.	Communication	Math 1314 and either Bual 2310 or Psyc 2317
B.M.	Composition	Only Core Math
B.F.A./B.S.	Graphic Design	Only Core Math
B.A.	Music	Only Core Math
B.A.	Music - Business Concentration	Only Core Math
B.M.	Music - Teacher Certification	Only Core Math
B.M.	Performance	Only Core Math
B.S.	Speech and Hearing Sciences	Only Core Math
B.F.A./B.S.	Studio Art	Only Core Math
B.S.	Theatre and Dance	Math 1314

*Math 1314, 1414, and 1316 may be substituted for 2312 in the Biology BS degree plan.

Midwestern State University

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1053, 1203, 1233, 1534, or 1634.

Course Guide

Math 1053 Contemporary Math (Math 1332)	Math 3113 Techniques in Problem Solving
Math 1203 Math Analysis for Business (Math 1324)	Math 3433 Differential Equations
Math 1233 College Algebra (Math 1314)	Math 3533 Numerical Analysis
Math 1433 Trigonometry (Math 1316)	Math 3833 Linear Algebra
Math 1534 Precalculus (Math 2312)	Math 4243 Operations Research
Math 1634 Calculus 1 (Math 2413)	Buad 3033 Business & Economic Statistics
Math 1734 Calculus 2 (Math 2414)	Chem 4243 Biochemistry
Math 2033 Structure of the Number System 1 (Math 1350)	Nurs/Rads/Resp/Sowk 4123 Data Analysis
Math 2043 Structure of the Number System 2 (Math 1351)	Psyc 3314 Psychological Statistics
Math 2534 Calculus 3 (Math 2415)	Socl 3314 Statistics for Social and Behavioral Science
Math 2603 Math for Thermodynamics	Stat 3573 Probability & Statistics

Degree		Major	Math Requirements
Dillard College of Business Administration			
B.B.A.	Accounting		Either Math 1203 or 1233, and Buad 3033
B.B.A.	Economics		Either Math 1203 or 1233, and Buad 3033
B.B.A.	Finance		Either Math 1203 or 1233, and Buad 3033
B.B.A.	General Business		Either Math 1203 or 1233, and Buad 3033
B.B.A.	Management		Either Math 1203 or 1233, and Buad 3033
B.B.A.	Management Information Systems		Either Math 1203 or 1233, and Buad 3033
B.B.A.	Marketing		Either Math 1203 or 1233, and Buad 3033
Gordon T. and Ellen West College of Education			
B.A.A.S.	Applied Arts and Sciences		Only Core Math
B.F.A.	Art - All-Level Certification		Only Core Math
B.S.I.S.	Bilingual Generalist/Gen. Ed. EC-6 Cert.		Math 1233, 2033, and 2043
B.S.	Biology-Life Science - Secondary Certification		Math 1233 and 1433
B.S.	Composite Science - Secondary Certification		Math 1233 and 1433
B.S.I.S.	English, Lang. Arts. Reading - 4-8 Certification		Math 1233, 2033, and 2043
B.A.	English, Lang. Arts, Reading - Secondary Cert.		Math 1233
B.S.I.S.	Generalist EC-6 Certification		Math 1233, 2033, and 2043
B.S.I.S.	Generalist 4-8 Certification		Math 1233, 2033, 2043, and 3113
B.A./B.S.I.S.	History/Social Studies - Secondary Certification		Math 1233
B.A./B.S.	Kinesiology - All Level Certification		Math 1233. B.S. also requires Math 1433.
B.S.I.S.	Mathematics 4-8 Certification		Math 1053 and beyond. See course catalog for details.
B.S.	Mathematics - Secondary Certification		Math 1734 and beyond. See course catalog for details.
B.M.	Music - All Level Certification		Only Core Math
B.A.	Physical Education with Teacher Certification		Math 1233
B.S.I.S.	Science 4-8 Certification		Math 1233, 2033, and 2043
B.S.I.S.	Social Studies 4-8 Certification		Math 1233, 2033, and 2043

B.A.	Spanish - All Level Certification	Math 1233
B.S.I.S.	Special Education - EC-12/Gen Ed. EC-6 Cert.	Math 1233, 2033, and 2043
B.A.	Sport and Leisure Studies	Only Core Math
B.S.	Sport and Leisure Studies	Math 1233
B.F.A.	Theatre - All Level Certification	Only Core Math
Lamar D. Fain College of Fine Arts		
B.A.	Art	Either Math 1053 or 1233
B.F.A.	Art	Either Math 1053 or 1233. Teacher Certification requires Math 1233.
B.A.	Mass Communication	Only Core Math
B.A./B.M.	Music	Only Core Math
B.F.A.	Theatre	Only Core Math
Robert D. and Carol Gunn College of Health Science and Human Services		
B.S.A.T.	Athletic Training	Only Core Math
B.S.E.P.	Exercise Physiology	Either Math 1433 or 1534
B.S.C.J.	Criminal Justice	Only Core Math
B.S.D.H.	Dental Hygiene	Only Core Math. Math 1053 is recommended.
B.S.N.	Nursing	Core Math and Nurs 4123
B.S.R.S.	Radiologic Sciences	Core Math and Rads 4123
B.S.R.T.	Radiologic Technology	Core Math and Rads 4123
B.S.R.C.	Respiratory Care	Core Math and Resp 4123
B.S.W.	Social Work	Core Math and either Sowk 4123 or Nurs 4123
Prothro-Yeager College of Humanities and Social Sciences		
B.A.	English	Only Core Math
B.A.	Global Studies	Only Core Math
B.A.	History	Only Core Math. Social Studies Teaching Certification requires Math 1233.
B.A.	Humanities	Only Core Math
B.A.	Political Science	Only Core Math
B.A./B.S.	Psychology	Core Math and Psyc 3314
B.A./B.S.	Sociology	Core Math and Socl 3314
B.A.	Spanish	Only Core Math. Teaching Certification requires Math 1233.
College of Science and Math		
B.S.	Biology - Molecular-cellular	Math 1634, 1734, 2534, and either Stat 3573 or Chem 4253
B.S.	Biology - Organismal	Either Math 1433 or 1534, and either Stat 3573 or Psyc 3314
B.S.	Biology - Pre-Dental	Either Math 1433 or 1534, 1634, and Stat 3573
B.S.	Biology - Pre-Medical	Either Math 1433 or 1534, 1634, and Stat 3573
B.S.	Biology - Pre-Pharmacy	Either Math 1433 or 1534, 1634, and Stat 3573
B.S.	Biology - Pre-Veterinary	Either Math 1433 or 1534, and Stat 3573
B.S.	Biology - Pre-Physical Therapy	Either Math 1433 or 1534, and either Stat 3573 or Psyc 3314
B.S.	Biology - Clinical Laboratory Science	Either Math 1433 or 1534, and Stat 3573
B.S.	Chemistry - Professional	Math 1634, 1734, 2534, 2603, and Stat 3573
B.S.	Chemistry - Interdisciplinary	Math 1634, 1734, 2603, and Stat 3573
B.S.	Chemistry - Biochemistry Option	Math 1634 and 1734
B.A.	Computer Science	Math 1233, 1433, and Stat 3573

B.S.	Computer Science	Math 1534, 1634, 1734, and either 3533 or 3833 or 4243
B.S.	Geosciences - Environmental Science	Either Math 1433 or 1534, 1634, and Stat 3573
B.S.	Geosciences - Geology	Math 1634, 1734, and Stat 3573
B.A./B.S.	Mathematics	Math 1634, 1734, 2534, and beyond. See course catalog for details.
B.S.M.E.	Mechanical Engineering	Math 1634, 1734, 2534, 3433, and either 3833 or Stat 3573
B.S.	Physics	Math 1634, 1734, 2534, 3433 and 3833

Prairie View A&M University

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1103, 1113, 1115, 1123, 1124, 1153, 2003, 2024, 2043, 2053, 2153, 2163, or Psyc 2613.

Course Guide	
Math 1103 Contemporary College Algebra (Math 1332)	Math 2163 Structure of Number System
Math 1113 College Algebra (Math 1314)	Math 3003 Mathematics in Elementary Schools
Math 1115 College Algebra and Trigonometry	Math 3014 Calculus with Analytic Geometry III
Math 1123 Trigonometry (Math 1316)	Math 3023 Probability and Statistics
Math 1124 Calc. with Analytic Geometry I (Math 2413)	Math 3073 Linear Algebra
Math 1153 Finite Mathematics (Math 1324)	Math 3163 Mathematics Understanding
Math 1213 Precalculus	Math 3685 Math for Engineers
Math 2003 Elementary Statistics (Math 1342)	Math 4003 Mathematics Modeling and Applications
Math 2024 Calc. with Analytic Geometry II (Math 2414)	Mgmt 1163 Quantitative Business Analysis
Math 2043 Differential Equations (Math 2320)	Mgmt 3023 Quantitative Method
Math 2053 Discrete Mathematics (Math 2305)	Psyc 2613 Statistics for Psychology (Psyc 2317)
Math 2153 Calc. for Business Life/Soc. Sci. (Math 1325)	Socg 4053 Social Statistics

Degree	Major	Math Requirements
Marvin D. and June Samuel Brailsford College of Arts and Sciences		
B.S.	Biology	Math 1124 or higher. Pre-Veterinary concentration also requires Math 3003.
B.S.	Chemistry - Traditional	Math 1124, 2024, and 3014
B.S.	Chemistry - Biomedical Science	Math 1124, 2024, and 2003
B.S.	Chemistry - Forensic Science	Math 1124, 2024, and 2003
B.A.	Communication	Only Core Math
B.A.	English	Only Core Math
B.A.	History	Only Core Math
B.S.	Mathematics	Math 1124 and beyond. See course catalog for details.
B.A.	Music	Only Core Math
B.S.	Physics	Math 1113, 1124, 2024, 2043, 3014, and 3023
B.A.	Political Science	Core Math and either Psyc 2613 or Socg 4053
B.A.S.W.	Social Work	Core Math and either Math 2003 or Psyc 2613 or Socg 4053
B.A.	Sociology	Core Math and Socg 4053
College of Agriculture and Human Sciences		
B.S.	Agriculture - Agribusiness	Math 2003
B.S.	Agriculture - Plant and Soil Sciences	Only Core Math. Additional hours may be required for specialized job requirements (e.g., Math 1123).
B.S.	Agriculture - Animal and Food Sciences	Only Core Math
B.S.	Dietics - Human Nutrition and Food Degree	Math 2003
College of Business		
B.B.A.	Accounting	Math 1113, 1153, Mgmt 1163, and 3023
B.B.A.	Finance	Math 1113, 1153, Mgmt 1163, and 3023
B.B.A.	Management Information Studies	Math 1113, 1153, Mgmt 1163, and 3023
Whitlowe R. Green College of Education		

B.S.	Interdisciplinary Studies - (EC-6) Generalist	Math 2163 and 3003
B.S.	Interdisciplinary Studies - 4-8 English, LA and Read.	Math 2163 and 3003
B.S.	Interdisciplinary Studies - 4-8 Generalist	Math 2003, 3003, 3163, and 4003
B.S.	Interdisciplinary Studies - 4-8 Mathematics	Math 1123 and beyond. See course catalog for details.
B.S.	Interdisciplinary Studies - 4-8 Science	Math 2003 and 2163
B.S.	Interdisciplinary Studies - 4-8 Social Studies	Math 2003, 2163, and 3003
B.S.	Interdisciplinary Studies - Special Education	Math 2163 and 3003
B.S.	Health	Only Core Math
B.S.	Human Performance	Only Core Math
Roy G. Perry College of Engineering		
B.S.	Chemical Engineering	Math 1124, 2024, 3023, and 4173
B.S.	Civil Engineering	Math 1124, 2024, 3023, and 4173
B.S.	Computer Engineering	Math 1124, 2024, 2043, 2053, and 3023
B.S.	Computer Engineering Technology	Math 1115, 1124, and 2024
B.S.	Computer Science	Math 1124, 2024, and 3073
B.S.	Electrical Engineering	Math 1124, 2024, 2043, 3023, and 4173
B.S.	Electrical Engineering Technology	Math 1115, 1124, and 2024
B.S.	Mechanical Engineering	Math 1124, 2024, 3023, and 4173
College of Juvenile Justice & Psychology		
B.S.C.J.	Criminal Justice	Core Math and either 2003 or Psyc 2613 or Socg 4053
B.S.J.J.	Criminal Justice with Specialization in Juvenile Justice	Core Math and either 2003 or Psyc 2613 or Socg 4053
B.S.	Psychology	Psyc 2613 and 3613
College of Nursing		
B.S.N.	Nursing	Core Math and Psyc 2613
School of Architecture		
B.S.	Architecture	Math 1123
B.S.	Construction Science	Math 2003 and 1124
B.S.	Digital Media Arts	Two of the following: Math 1103, 1113, 1115, and 1123
B.S.	Construction Science	Math 2003 and 1124
B.S.	Digital Media Arts	Two of the following: Math 1103, 1113, 1115, and 1123

Sam Houston State University

University-Wide Core Requirement - 3 hours selected from Math the following: 1314, 1316, 1324, 1332, 1384, 1410, or 1420. Students with a documented Math disability may take Phil 2352 to fulfill Core Math requirement.

Course Guide

Math 1314 Precalculus Algebra (Math 2312)	Math 3381 Introduction to Foundations of Math III
Math 1316 Trigonometry	Agbu 3385 Quant Methods for Agribusiness
Math 1324 Math for Managerial Decision Making	Bana 2372 Business Analysis
Math 1332 College Mathematics	Bio 4374 Biostatistics
Math 1369 Elementary Statistics (Math 1342)	Engl 3330 Intro to Technical Writing
Math 1370 Intro to Biomedical Statistics	Phil 2303 Critical Thinking
Math 1384 Introduction to Foundations of Math I (Math 1350)	Phil 2352 Introduction to Contemporary Logic
Math 1385 Introduction to Foundations of Math II (Math 1351)	Psyc 3301 Elementary Statistics
Math 1410 Elementary Functions	Soci 3443 Social Statistics
Math 1420 Calculus I (Math 2413)	Stat 1369 Elementary Statistics (Math 1342)
Math 1430 Calculus II	Stat 3379 Statistical Methods in Practice
Math 3379 Statistical Methods in Practice	

Degree	Major	Math Requirements
College of Business Administration		
B.B.A.	Accounting	Math 1324 and Bana 2372
B.B.A.	Banking and Financial Institutions	Math 1324 and Bana 2372
B.B.A.	Economics	Math 1324 and Bana 2372
B.B.A.	Entrepreneurship	Math 1324 and Bana 2372
B.B.A.	Finance	Math 1324 and Bana 2372
B.B.A.	General Business Administration	Math 1324 and Bana 2372
B.B.A.	Human Resource Management	Math 1324 and Bana 2372
B.B.A.	International Business	Math 1324 and Bana 2372
B.B.A.	Management	Math 1324 and Bana 2372
B.B.A.	Management Information Systems	Math 1324 and Bana 2372
B.B.A.	Marketing	Math 1324 and Bana 2372
College of Criminal Justice		
B.A./B.S.	Criminal Justice	Core Math and Stat 3379*
B.A./B.S.	Victim Studies	Core Math and Math 3379*
College of Education		
B.S.	Interdisciplinary Studies - 4-8 ELAR/Social Studies	Math 1384, 1385, and 3381
B.S.	Interdisciplinary Studies - 4-8 Mathematics	Math 1384 and beyond. See course catalog for details.
B.S.	Interdisciplinary Studies - 4-8 Math/Science	Math 1384, 3381, and beyond. See course catalog for details.
B.S.	Interdisciplinary Studies - EC-6 Generalist and EC-12 Special Education	Math 1384, 1385, and 3381
B.A./B.S.	Interdisciplinary Studies - EC-6 Bilingual Generalist	Math 1384, 1385, and 3381
B.S.	Interdisciplinary Studies - EC-6 Generalist, ESL Supplement	Math 1384, 1385, and 3381
B.S.	Interdisciplinary Studies - Early Childhood Education	6 hours of Core Math
College of Fine Arts and Mass Communication		
B.F.A.	Art - Graphic Design	Only Core Math
B.F.A.	Art - Photography	Only Core Math
B.A./B.F.A.	Art - Studio Art	Only Core Math
B.F.A.	Computer Animation	Only Core Math
B.F.A.	Dance	Only Core Math
B.A.	Mass Communications	Only Core Math
B.A./B.M.	Music	Only Core Math
B.M.	Music Therapy	Only Core Math
B.F.A.	Musical Theatre	Only Core Math
B.F.A.	Theatre	Only Core Math
College of Health Sciences		

B.S.	Athletic Training	Math 1314 and either 3379 or Stat 3379
B.A.	Bilingual Health Care Studies	Only Core Math
B.A./B.S.	Family and Consumer Sciences	Either Math 1314 or 1332. B.S. requires 3 additional hours in Math.
B.A./B.S.	Fashion Merchandising	Either Math 1314 or 1332. B.S. requires 6 additional hours in Math.
B.A./B.S.	Food Service Management	Either Math 1314 or 1332. B.S. requires 3 additional hours in Math.
B.S.	Food Science and Nutrition	Math 1314 and 1369
B.S.	Health - Health Care Administration	Math 1314 and either 1369 or 1370
B.S.	Health Sciences	Math 1420 and 3379
B.A./B.S.	Interior Design	Only Core Math. B.S. requires either Math 1314 or 1332.
B.S.	Kinesiology	Either Math 1314 or 1332, and either 1369 or Stat 1369
B.S.	Kinesiology - Applied Exercise Science	Either Math 1314 or 1316 or 1410, and either 1369 or 3379
B.S.	Kinesiology - Clinical Exercise Science	Either Math 1314 or 1316 or 1410. Also requires one of the following: Math 3379, Biol 4374, or Psyc 3301.
B.S.	Kinesiology - Physical Education Teacher Education	Only Core Math
B.S.N.	Nursing	Math 1314 and either 1369 or 1370 or Stat 1369
B.S.	Public Health	Math 1314 and either 1369 or 1370 or 3379
B.S.	Wellness Management	Core Math and either 1369 or 1370 or 3379
College of Humanities and Social Sciences		
B.A./B.S.	Communication Studies	Only Core Math. B.S. requires 3 additional hours in Math, Statistics, or Computer Science
B.A.	English	Only Core Math
B.A./B.S.	History	Only Core Math
B.A.	Philosophy	Only Core Math
B.A./B.S.	Political Science	Only Core Math. B.S. requires 3 additional hours in Math.
B.S.	Psychology	Core Math and Psyc 3301
B.A./B.S.	Sociology	Core Math and Soci 3443
B.A.	Spanish	Only Core Math
College of Sciences		
B.S.	Agricultural Business	Math 1324, either 1369 or Stat 1369, and Agbu 3385
B.S.	Agricultural Communications	Core Math and either 1369 or Stat 1369
B.S.	Agricultural Engineering Technology	Core Math and either 1369 or Stat 1369
B.S.	Animal Science	Core Math and either 1369 or Stat 1369
B.S.	Animal Science, Pre-BS Veterinary Medicine	Math 1316 and Stat 3379
B.A.A.S.	Applied Arts and Science	Only Core Math
B.A.	Biology	Math 1314, 1410, and either 3379 or Biol 4374 or Stat 3379
B.S.	Biology	Math 1420 and either 1430 or 3379 or Stat 3379
B.S.	Biomedical Sciences	Math 1420 and either 1430 or 3379 or Stat 3379
B.S.	Chemistry	Math 1420 and 1430
B.S.	Chemistry/Chemical Engineering	Math 1420, 1430, 2440, and 3376
B.S.	Computing Science	Math 1420, 1430, 2395, Stat 3379, and 3 additional hours of advanced Math
B.S.	Construction Management	Either Math 1314 or 1324 or 1420, and either 1316 or 1430 or 2399
B.S.	Computer Software Engineering Technology	Math 1420, 1430, 2395, 3379, and 3 additional hours of advanced Math
B.S.	Design and Development	Either Math 1314 or 1324 or 1420, and 1316
B.S.	Electronics and Computer Engineering Technology	Math 1316, 1420, and either 3379 or Engl 3330
B.S.	Engineering Technology	Math 1316, 3379, and either 1314 or 1324 or 1420
B.S.	Forensic Chemistry	Math 1420 and 1430
B.A./B.S.	Geography	Core Math and 1369. B.S. also requires Phil 2303.
B.S.	Geology	Math 1420 and either 1430 or 3379
B.S.	Geology - Geoscience	Select one of the following: Math 1314, 1316, 1410 or 1420
B.S.	Interdisciplinary Agriculture	Either Math 1314 or 1332, and either 1369 or Stat 1369
B.A./B.S.	Mathematics	Math 1420 and beyond. See course catalog for details.
B.S.	Plant and Soil Sciences	Core Math and an additional 3 hours of Math or Stat
B.S.	Physics	Core Math and 6 hours of advanced Math or Science
B.S.	Physics/Engineering	Math 1420, 1430, 2440, 3376, and 4376
General Studies		

B.G.S.	General Studies	Only Core Math
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*Equivalents such as Math 3379, Psyc 3301, and Soci 3443 can be taken to satisfy Stat 3379. Equivalents such as Soci 3443, Stat 3379, and Psyc 3301 can be taken to satisfy Math 3379.

**Stephen F. Austin
State University**

University-Wide Core Math Requirement - 3 hours selected from the following: Math 110*, 127, 138, 143, 220, 233.

Course Guide

Math 110 Math in Society*	Math 220 Intro to Prob/Statistics (Math 1342)
Math 127 Intro to Foundations of Mathematics I (Math 1350)	Math 233 Calculus I (Math 2313/2413)
Math 128 Intermed Math for Elem. Teachers (Math 1351)	Math 234 Calculus II (Math 2414)
Math 129 Concepts and Applications	Math 300 Foundations of Mathematics
Math 133 Plane Trigonometry (Math 1316)	Math 301 Concepts of Calculus
Math 138 College Algebra (Math 1314)	Math 302 Concepts in Geometry
Math 139 Plane Analytic Geometry (Math 1348)	Math 317 Linear Algebra
Math 140 Precalculus (Math 2412)	Math 333 Calculus III
Math 143 Finite Mathematics (Math 1324)	Math 337 Differential Equations
Math 144 Calculus with Business App. (Math 1325)	

Degree Major		Math Requirements
Nelson Rusche College of Business		
B.B.A.	Accounting	Math 143 and 220
B.B.A.	Business Comm. and Corporate Education	Math 143 and 220
B.B.A.	Business Economics	Math 143 and 220
B.A.	Economics	Math 220
B.B.A.	Finance	Math 143 and 220
B.B.A.	General Business	Math 143 and 220
B.B.A.	Human Resource Management	Math 143 and 220
B.B.A.	International Business	Math 143 and 220
B.B.A.	Management	Math 143 and 220
B.B.A.	Marketing	Math 143 and 220
B.B.A.	Sports Business	Math 143 and 220
James I. Perkins College of Education		
B.S.	Communication Sciences & Disorders	Math 220
B.S.	Dance (Including teacher cert. 8-12)	Select one of the following: Math 110, 127, 138, 143, or 220
B.S.	Deaf & Hard of Hearing	Math 128 and 3 hours chosen from Math 127 or higher. Math specialization may require additional courses.
B.S.	Family & Consumer Sciences	Only Core Math
B.S.	Fashion Merchandising	Only Core Math
B.S.	Kinesiology EC-12 Physical Education/Fitness and Human Performance Studies	Select one the following: Math 110, 127, 138, 143, or 220
B.S.	Food, Nutrition, & Dietetics	Only Core Math
B.S.	Health Science	Select one of the following: Math 110, 127, 138, 143, or 220
B.S.	Hospitality Administration	Only Core Math
B.S.	Human Development and Family Studies	Only Core Math
B.S.I.S.	Interdisciplinary Studies - EC-6 Generalist	Math 127, 128, and one of the following: 129, 138, 143, or 220
B.S.I.S.	Interdisciplinary Studies - EC-12 Special Education	Select 6 hours from following: Math 128, 129, 138, 143, or 220
B.S.I.S.	Interdisciplinary Studies - 4-8 Generalist	Math 127, 128, and 6 hours from the following: 129, 138, 143, or 220
B.S.I.S.	Interdisciplinary Studies - 4-8 Math	Math 127 and 21 hours from the following: 128, 129, 138, 220, 300, 301, or 302

B.S.I.S.	Interdisciplinary Studies - 4-8 Science	Math 127, 128, and one of the following: 129, 138, 143, or 220
B.S.I.S.	Interdisciplinary Studies- 4-8 Eng./Lang. Arts and Reading	Math 127, 128, and one of the following: 129, 138, 143, or 220
B.S.I.S.	Interdisciplinary Studies- 4-8 Social Studies	Math 127, 128, and one of the following: 129, 138, 143, or 220
B.S.	Interior Design	Only Core Math
B.S.	Interior Merchandising	Only Core Math
B.S.	Pre-Audiology	Math 220
B.S.Rhb.	Rehabilitation Services	Only Core Math
College of Fine Arts		
B.A./B.F.A.	Art	Only Core Math
B.A.	Art History	Only Core Math
B.M.	Composition	Only Core Math
B.M.	Music	Only Core Math
B.M.	Performance	Only Core Math
B.M.	Sound Recording Technology	Math 138
B.A./B.F.A.	Studio Art	Only Core Math
B.A./B.F.A.	Theatre	Only Core Math
Arthur Temple College of Forestry and Agriculture		
B.S.	Agribusiness	Math 220
B.S.	Agricultural Development	Select one of the following: Math 110, 138, 143, 220, or 233
B.S.	Agricultural Engineering Technology	Select one of the following: Math 110, 138, 143, 220, or 233
B.S.	Animal Science	Select one of the following: Math 110, 138, 143, 220, or 233
B.S.	Environmental Science	Either Math 138 or 233, and 220
B.S.	Forestry - General	Math 220
B.S.	Forestry - Forest Management	Math 220
B.S.	Forestry - Forest Wildlife Management	Math 220
B.S.	Horticulture	Select one of the following: Math 110, 138, 143, 220, or 233
B.S.	Poultry Science	Select one of the following: Math 110, 138, 143, 220, or 233
B.S.	Spatial Science	Math 220
College of Liberal and Applied Arts		
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.A./B.S.	Communication Studies	Select one of the following: Math 110, 138, 143, 220, or 233
B.F.A.	Creative Writing	Select one of the following: Math 110, 138, 143, 220, or 233
B.A.	Criminal Justice	Select one of the following: Math 110, 138, 143, 220, or 233
B.A.	English	Select one of the following: Math 110, 138, 143, 220, or 233
B.A./B.S.	Geography	Select one of the following: Math 110, 138, 143, 220, or 233
B.A.	History	Select one of the following: Math 110, 138, 143, 220, or 233
B.A.	Liberal Studies	Select one of the following: Math 110, 138, 143, 220, or 233
B.A./B.S.	Mass Media	Select one of the following: Math 110, 138, 143, 220, or 233
B.A.	Modern Languages	Select one of the following: Math 110, 138, 143, 220 or 233
B.S.	Multidisciplinary Studies	Select one of the following: Math 110, 138, 143, 220, or 233. Also requires 3-5 hours from Math 133 or higher .
B.A.	Philosophy	Select one of the following: Math 110, 138, 143, 220, or 233
B.A./B.S.	Political Science	Select one of the following: Math 110, 138, 143, 220, or 233

B.A./B.S.	Psychology	Select one of the following: Math 110, 138, 143, 220, or 233
B.A./B.S.	Public Administration	Select one of the following: Math 110, 138, 143, 220, or 233
B.S.W.	Social Work	Select one of the following: Math 110, 138, 143, 220, or 233
B.A./B.S.	Sociology	Select one of the following: Math 110, 138, 143, 220, or 233
B.A.	Sustainable Community Development	Select one of the following: Math 110, 138, 143, 220, or 233
College of Sciences and Mathematics		
B.S.	Biochemistry	Math 233 and 234
B.S.	Biology	Select 6 hours from the following: Math 220, 233, or 234
B.S.	Chemistry	Math 233 and 234
B.S.	Computer Information Systems	Math 220 and either 138 or 143 or 144
B.S.	Computer Science	Math 220 and one of the following: 139, 140, 233, or 234
B.S.	Geology	Math 220 and 233
B.A.	Information Technology	Math 220 and one of the following: 133, 138, 139, 140, 143, 144, or 233
B.S.	Mathematics	Math 233 and beyond. See course catalog for details.
B.S.N.	Nursing	Math 220
B.S.	Physics	Math 233, 234, 317, 333, and 337

*Math 1332 is accepted for transfer credit for Math 110.

Sul Ross State University		University-Wide Core Math Requirement - 3 hours selected from the following: Math 1314, 1332, or 1342.	
		Course Guide	
		Math 1314 College Algebra	Math 2318 Linear Algebra
		Math 1316 Trigonometry	Math 2413 Calculus I
		Math 1325 Business Calculus	Math 2414 Calculus II
		Math 1332 Contemporary Mathematics	Math 3415 Calculus III
		Math 1342 Statistics	Ansc 3308 Agricultural Statistics
Math 2310 Foundations of Elem. Math I			
Degree	Major	Math Requirements	
Agricultural and Natural Resource Sciences			
B.S.	Animal Science	Math 1314, 1342, and Ansc 3308	
B.S.	Natural Resource Management	6 hours of Core Math and Ansc 3308	
College of Professional Studies			
B.A.	Administrative Systems and Business Technology	Only Core Math	
B.B.A.	Business Administration	Math 1314 and 1325	
B.S.	Criminal Justice	Math 1314 and 1342	
B.S.	Kinesiology and Sports Science	Math 1314 and 1342	
College of Arts and Sciences			
B.F.A.	Art	Only Core Math	
B.S.	Biology	Math 1342 and one of the following: Math 1314, 1316, or higher	
B.S.	Chemistry	Math 1314, 2413, and 2414	
B.A.	Communication	Only Core Math	
B.S.	Computer Science	Math 1314 and 1316	
B.A.	English	Only Core Math	
B.A.	General Studies	Only Core Math	
B.S.	Geology	6 hours from Math 1314, 1316, 1342, 2413, or higher	
B.A.	History	Only Core Math	
B.S.I.S	Interdisciplinary Studies - EC-6 Generalist	Either Math 1314 or 1342, and either Math 2310 and 2311	
B.S.I.S	Interdisciplinary Studies - 4-8 ELA/Reading	Either Math 1314 or 1342, and either Math 2310 and 2311	
B.S.I.S	Interdisciplinary Studies - 4-8 Math	Math 1314 and beyond. See course catalog p. 175 for details.	
B.S.I.S	Interdisciplinary Studies - 4-8 Science	Either Math 1314 or 1342, and either Math 2310 and 2311	
B.S.I.S	Interdisciplinary Studies - 4-8 Social Studies	Either Math 1314 or 1342, and either Math 2310 and 2311	
B.S.	Mathematics	Math 2413, 2414, and beyond. See course catalog p. 141 for details.	
B.A.	Mexican-American Studies	Only Core Math	
B.A.	Music	Only Core Math	
B.A.	Political Science	Only Core Math	
B.A.	Psychology	Core Math and Psyc 2307	
B.A.	Social Science	Only Core Math	
B.A.	Spanish	Only Core Math	
B.F.A.	Theatre	Only Core Math	
B.F.A.	Visual and Performing Arts	Only Core Math	

Sul Ross State University Rio Grande College		University-Wide Core Math Requirement - 3 hours of Math 1314 or higher*			
		Course Guide			
		Math 1314 College Algebra	Math 2413 Calculus I		
		Math 1316 Plane Trigonometry	Math 3302 Probability and Statistics		
		Math 1324 Math for Business & Social Sciences I	Math 3308 Survey of Basic Mathematical Theory I		
		Math 1325 Math for Business & Social Sciences II	Math 3309 Survey of Basic Mathematical Theory II		
		Math 2312 Precalculus	Qmts 4311 Business Statistics		
Degree		Major		Math Requirements	
Department of Business Administration					
B.B.A.	General Business	Math 1324, 1325, and Qmts 4311			
Department of Education					
B.A.	Interdisciplinary Studies	Math 1314. Math specialization requires additional hours.			
Department of Natural and Behavioral Sciences					
B.S.	Biology	Math 1314, 3302, and either 1316 or 2312			
B.S.	Criminal Justice	Math 1314 or higher			
B.S.	Mathematics	Math 1314, 1316, and beyond. See course catalog p. 68 for details.			
B.S.N.	Nursing	Math 1314			
B.A.	Psychology	Math 3302			
Department of Humanities					
B.A.S.	Applied Science - Child Development	Only Core Math			
B.A.S.	Applied Science - Organizational Leadership	Only Core Math			
B.A.	English	Only Core Math			
B.A.	History	Only Core Math			
B.A.	Social Science	Only Core Math			
B.A.	Spanish	Only Core Math			

* Sul Ross State University – Rio Grande College is an upper-level center that only offers Math courses at the 3000 level and higher.

Tarleton State University

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1314, 1324, 1332, 1342, 2412, or 2413.

Course Guide	
Math 1314 College Algebra	Math 3320 Foundations of Mathematics
Math 1316 Plane Trigonometry	Math 3360 Numerical Analysis
Math 1324 Math for Business & Soc. Sci. I	Math 3433 Calculus III
Math 1325 Math for Business & Soc. Sci. II	Math 3450 Principles of Bio-Statistics*
Math 1332 Contemporary Mathematics I	Math 4304 Survey of Mathematical Ideas
Math 1342 Elementary Statistical Methods	Math 3302 Principles of Geometry
Math 2412 Precalculus Math	Agec 3317 Agricultural Statistics
Math 2413 Calculus I	Busi 3311 Business Statistics
Math 2414 Calculus II	Crij 3331 Criminal Justice Statistics
Math 3300 Principles of Statistics	Engr 3311 Engineering Mathematical Methods
Math 3302 Principles of Geometry	Phbl 3320 Statistics for Health Care
Math 3303 Concepts of Elementary Math I	Phil 2303 Introduction to Logic
Math 3305 Concepts of Elementary Math II	Psyc 3330 Elementary Stat. for Behavioral Sci.**
Math 3306 Differential Equations	Soci 3330 Social Science Statistics
Math 3310 Discrete Mathematics	Wses 2451 Introduction to Geographic Information Systems
Math 3311 Probability and Statistics I	

Degree	Major	Math Requirements
College of Agricultural & Environmental Sciences		
B.S.	Agribusiness	Math 1324, 1325, and Agec 3317
B.S.	Agricultural Services and Development	Only Core Math
B.S.	Animal Science - Science	Core Math and either 1342 or 3450
B.S.	Animal Science - Production	Only Core Math
B.S.	Animal Science - Animal Industries	Math 1314 and Agec 3317
B.S.	Animal Science - Pre-veterinary Medicine	Core Math and 3450*
B.S.	Animal Science - Food Nutrition and Meat Applications	Only Core Math
B.S.	Animal Science - Range Management	Only Core Math
B.S.	Environmental Sciences	Either Math 1314 or 2412, 1316, and 3450. Environmental Land and Water Science concentration also requires Math 2413.
B.A.S.	Veterinary Technology	Only Core Math

B.S.	Wildlife, Sustainability, and Ecosystem Sciences - Agroecology and Sustainable Agriculture	Math 1314 and either 1342 or Wses 2451
B.S.	Wildlife, Sustainability, and Ecosystem Sciences - Food Nutrition and Meat Applications	Math 1314
B.S.	Wildlife, Sustainability, and Ecosystem Sciences - Natural Resource Ecology and Crop Science	Select one of the following: Math 1316, 2412, 1342, or Phil 2303*
B.S.	Wildlife, Sustainability, and Ecosystem Sciences - Pre-Veterinary Medicine	Only Core Math. Vetebrate Zoology requires either Math 2412 or 3450.
B.S.	Wildlife, Sustainability, and Ecosystem Sciences - Soil Science	Either Math 1316 or 2412
B.S.	Wildlife, Sustainability, and Ecosystem Sciences - Sustainability Studies	Only Core Math
B.S.	Wildlife, Sustainability and Ecosystem Sciences - Wildlife Science	Select one of the following: Math 1316, 2412, 1342, or Phil 2303
College of Business Administration		
B.B.A.	Accounting	Math 1324 and 1325
B.B.A.	Administrative Systems	Math 1324 and 1325
B.S.	Applied Science	Only Core Math
B.A.A.S.	Business	Core Math and Busi 3311
B.B.A./B.S.	Computer Information Systems	Core Math and Busi 3311. B.B.A. also requires Math 1325.
B.S.	Economics	Math 1324, 1325, and either 3300 or Agec 3317 or Busi 3311
B.B.A.	Finance	Math 1324 and 1325
B.B.A.	General Business	Math 1324 and 1325
B.S.G.S.	General Studies	Only Core Math
B.B.A.	Human Resources Management	Math 1324 and 1325
B.B.A.	International Business	Math 1324 and 1325
B.A.A.S.	Information Technology	Core Math and Busi 3311
B.B.A.	Management	Math 1324 and 1325
B.B.A.	Marketing	Select one of the following: Math 1316, 1324, 1325, 2412, or 2413
College of Education		
B.S.I.S.	Interdisciplinary Studies - Child & Family Studies	Math 1314, 3303, and 3305
B.S.I.S.	Interdisciplinary Studies - EC-6 Generalist w/ESL	Math 1314, 3303, 3305, and 4305
B.S.I.S.	Interdisciplinary Studies - Generalist with Bilingual Certification	Math 1314, 3303, 3305, and 4305
B.S.I.S.	Interdisciplinary Studies - MS Generalist w/ESL	Math 2412, 2413, 3302,3303, 3305, 4305, and either 1342 or 3311 or 3450
B.S.I.S.	Interdisciplinary Studies - MS Math w/ESL	Math 2412, 2413, 3302, 3303, 3305, 4304, 4305, and either 1342 or 3311 or 3450. Also requires 3 additional hours of advanced Math.

B.S.I.S.	Interdisciplinary Studies - MS Science w/ESL	Math 1314, 3303, 3305, and 4305
B.S.I.S.	Interdisciplinary Studies - MS Math & Science	Math 2412, 2413, 3302, 3303, 3305, and either 4304 or 4305, and either 1342, 3311, or 3450. Also requires 3 hours of advanced Math.
B.S.I.S.	Interdisciplinary Studies - MS LA & Soc. Sci. w/ESL	Math 1314, 3303, 3305, and 4305
B.S.I.S.	Interdisciplinary Studies - SPED w/ESL	Math 1314, 3303, and 3305
B.S.	Kinesiology	Only Core Math
B.S.	Psychology	Core Math and Psyc 3330**
College of Health Sciences and Human Services		
B.A.Tech.	Health Professions Technology	Only Core Math
A.A.S.	Histotechnology	Math 1314
A.A.S.	Medical Laboratory Science	Math 1314
B.S.	Medical Laboratory Science	Core Math and 1316
B.S.N.	Nursing	Math 1342
B.S.	Public Health	Core Math and Pbhl 3320. Pre-Graduate and Laboratory Professional concentrations also require Math 1342.
B.S.W.	Social Work	Only Core Math
College of Liberal and Fine Arts		
B.F.A.	Art	Only Core Math
B.A./B.S.	Communication Studies	Only Core Math
B.S.	Criminal Justice	Core Math and one of the following statistics courses: Either Crij 3331,*** Psyc 3330,** or Soci 3330
B.A.A.S.	Criminal Justice Administration	Only Core Math
B.S.	Digital Media Studies	Only Core Math. Technology concentration requires either Math 1316 or 2412, 2413, and 3310.
B.A.	English	Only Core Math
B.S.	Geographic Information Systems	Math 1314
B.A.	History	Only Core Math
B.S.	International Studies	Only Core Math
B.A./B.M.	Music	Only Core Math
B.M.	Performance	Only Core Math
B.A./B.S.	Political Science	Only Core Math. B.S. also requires Soci 3330.
B.S.	Sociology	Core Math and Soci 3330
B.A.	Spanish	Only Core Math
B.F.A.	Theatre	Only Core Math
College of Sciences and Technology		
B.S.	Biology	Math 1316. All concentrations also require Math 3450, except for teacher certification.
B.S.	Biomedical Sciences	Either Math 2413 or 1316, and 3450. Pre-Pharmacy concentration requires Math 2413.

B.S.	Chemistry	Math 2413 and 2414
B.S.	Chemistry - Biochemistry	Math 2413 and 2414
B.S.	Chemistry - Environmental Chemistry	Math 2413, 2414, and 3450
B.S.	Chemistry - Forensic Chemistry	Math 2413, 2414, and 3450
B.S.	Chemistry - Interdisciplinary	Math 2413 and 2414
B.S.	Chemistry - Pre-Pharmacy	Math 2413, 2414, and 3450
B.S.	Chemistry - Pre-Medical/Pre-Dental	Math 2413, 2414, and 3450
B.S.	Chemistry - Professional Chemistry	Math 2413 and 2414
B.S.	Chemistry - Teacher Certification	Math 2413 and 2414. Physical Science certification requires either Math 3306 or 3433.
B.S.	Civil Engineering	Math 2413, 2414, 3433, 3306, and Engr 3311
B.S.	Computer Science	Math 1342, 2413, 2414, and 3310
B.S.	Construction Science and Management	Math 1316, 2413, and either 1342 or Busi 3311
B.S.	Electrical Engineering	Math 2413, 2414, 3306, 3433, and Engr 3311
B.S.	Engineering Physics	Math 2413, 2414, 3306, 3433, and Engr 3311
B.S.	Environmental Engineering	Math 2413, 2414, 3306, 3433, and Engr 3311
B.S.	Geoscience - Earth Science	Select two from the following: Math 1316, 2413, 2414, 3300, and 3450
B.S.	Geoscience - Environmental Science	Math 3450 and two from the following: 1316, 2412, 2413, and 2414
B.S.	Geoscience - Geology	Select two from the following: Math 2412, 2413, 2414, and 3450
B.S.	Geoscience - Hydrogeology	Math 3450 and two of the following: 2412, 2413, and 2414
B.S.	Geoscience - Petroleum Geology	Math 1342, 2413, and 2414
B.S.	Geoscience - Teacher Certification	Select two from the following: Math 1314, 1316, or 3450
B.S.	Industrial Technology	Math 1316 and Busi 3311
B.S.	Manufacturing Engineering Technology	Math 1316 (or above), 2413, 2414, and Busi 3311
B.A.A.S.	Manufacturing and Industrial Management	Core Math and 1316
B.S.	Mathematics	Math 2413 and beyond. See course catalog for details.
B.S.	Mechanical Engineering Technology	Math 1316, 2413, 2414, and either 1342 or Busi 3311
B.S.	Physics	Math 2413, 2414, 3433, and 3306

* Math 1314 is a pre-requisite for Math 3450. Credit cannot be awarded for both Math 1342 and Math 3450.

** Math 1314 or equivalent or approval of the Department Head is a prerequisite.

**Texas A&M University
Central Texas**

University-Wide Core Math Requirement - 3 hours from Math 1314, 1332, 1342, 2412, 2413, or 2414.	
Course Guide	
Math 1314 College Algebra	Math 2414 Calculus II
Math 1316 Trigonometry	Math 2415 Calculus III
Math 1324 Mathematics for Business & Social Sciences I	Math 2305 Discrete Mathematics
Math 1325 Mathematics for Business & Social Sciences II	Mthk 300 Principles of Statistics*
Math 1332 Contemporary Mathematics	Mthk 310 Discrete Mathematics
Math 1342 Elementary Statistical Methods	Mthk 332 Linear Algebra
Math 1350 Fundamentals of Math I	Cjk 415 Criminal Justice Statistics
Math 1351 Fundamentals of Math II	Psyk 330 Elementary Statistics for Behavior Science
Math 1414 College Algebra	Sock 330 Social Science Statistics
Math 2412 Pre-Calculus	Swkk 312 Social Work Research Statistics
Math 2413 Calculus I	Gbk 311 Business Statistics*

Degree	Major	Math Requirements
College of Arts and Sciences		
B.S.	Criminal Justice	Core Math and one of the following statistics courses: Sock 330, Psyk 330, or Cjk 415
B.A.	English	Only Core Math. Teacher Certification option requires Math 1314.
B.A.	History	Only Core Math. Teacher Certification option requires Math 1314.
B.S.	Liberal Studies	Only Core Math
B.S.	Mathematics	Math 1414 and beyond. See course catalog for details.
B.S.N.	Nursing	Math 1342
B.A./B.S.	Political Science	Only Core Math. B.S. also requires either Sock 330 or Psyk 330. Teacher Certification option requires Math 1314.
B.S.W.	Social Work	Core Math and Swkk 312
B.S.	Sociology	Core Math and one of the following statistics courses: Sock 330 or Cjk 415
College of Business Administration		
B.B.A.	Accounting	Core Math and either Mthk 300 or Gbk 311*
B.S.	Aviation Science	Only Core Math. Aviation Management concentration also requires Gbk 311.*
B.A.A.S.	Business Management	Core Math and Gbk 311*
B.B.A.	Computer Information Systems	Core Math and either Mthk 300 or Gbk 311.* Concentration areas require Gbk 311.*
B.S.	Computer Science	Math 2413, 2414, and either Math 1342 or Mthk 300, and either Math 2305 or Mthk 310, and either Mthk 360 or Mthk 332
B.B.A.	Finance	Either Math 1314 or 1324, and Gbk 311*
B.B.A.	Human Resource Management	Core Math and Gbk 311*
B.B.A.	Interdisciplinary Business	Core Math and Gbk 311*
B.B.A.	Management	Core Math and Gbk 311*
B.B.A.	Marketing	Core Math and Gbk 311*
College of Education		
B.S.I.S.	Interdisciplinary Studies - EC-6 Generalist and All-level SPED	Math 1314, Mthk 303, and Mthk 305. ESL Certification also requires Mthk 405.
B.S.I.S.	Interdisciplinary Studies - 4-8 Language Arts & Social Studies	Math 1314, Mthk 303, and Mthk 305
B.S.I.S.	Interdisciplinary Studies - 4-8 Mathematics	Math 2413 and beyond. See course catalog for details.
B.S.	Psychology	Math 1314 and Psyk 330

Texas A&M University Commerce

University-Wide Core Math Requirement - 3 hours selected from the following: Math 142, 176, 179, 192, 1314, 1324, 1342, or 2413.**

Course Guide

Math 1314 College Algebra	Math 351 Fundamentals of Math II (Math 1351)
Math 1324 Math for Business Applications I	Math 361 Math Modeling of Science for Middle School I
Math 1342 Elementary Statistical Methods	Math 362 Math Modeling of Science for Middle School II
Math 2413 Calculus I	Math 372 Mathematics Structures and Applications
Math 142 Pre-Calculus (Math 2312)	Math 380 GLB/Mathematics History (Fall only)
Math 176 Math for Business Applications II (Math 1325)	Math 401 Intro to Math Statistics
Math 179 Math App. and Philosophy**	Math 453 Essentials of Statistics
Math 192 Calculus II (Math 2414)	Math 460 Math for Secondary Teachers
Math 301 Introductory Geometry	Aec 380 Ag Statistics***
Math 314 Calculus III	Bsc 412 Quantitative Biology***
Math 315 Differential Equations	Eco 302 Business and Economic Statistics ***
Math 331 Discrete Mathematics	Engr 213 Engineering Statistics
Math 335 Linear Algebra	Psy 302 Psychological Statistics****
Math 350 Fundamentals of Math I (Math 1350)	Soc 332 Methods of Statistical Analysis****

Degree		Major	Math Requirements
College of Business			
B.B.A.	Accounting		Either Math 1314 or 1324, 176, and Eco 302
B.S.	Business Administration		Either Math 1314 or 1324, 176, and Eco 302
B.B.A.	Finance		Either Math 1314 or 1324, 176, and Eco 302
B.B.A.	General Business		Either Math 1314 or 1324, 176, and Eco 302
B.B.A.	Management		Either Math 1314 or 1324, 176, and Eco 302
B.B.A.	Marketing		Either Math 1314 or 1324, 176, and Eco 302
College of Education and Human Services			
B.S.	Global E-Learning/Learning and Technology		Only Core Math
B.A./B.S.	Health with Teacher Certification		Only Core Math
B.S.	Human Performances		Math 1314
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - EC-6 Generalist		Math 1314, 350, and 351
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - EC-6 Bilingual		Math 1314, 350, and 351
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - EC-6 SPED		Math 1314, 350, and 351
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - 4-8 ESL ELA/Reading		Math 1314, 350, and 351
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - 4-8 ELA/Reading		Math 1314, 350, and 351
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - 4-8 ESL Mathematics		Math 1314, 301, 350, 351, 361, 362, 372, 380, and 453
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - 4-8 Mathematics		Math 1314, 301, 350, 351, 361, 362, 372, 380, and 453
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - 4-8 ESL Science		Math 1314, 350, and 351
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - 4-8 Science		Math 1314, 350, and 351
B.A.I.S./B.S.I.S.	Interdisciplinary Studies - 4-8 Math/Science		Math 1314, 301, 350, 351, 361, 362, 372, 380, and 453
B.A./B.S.	Kinesiology and Sport Studies		Math 1314
B.S.	Nursing		Math 1314 and either Math 453 or 1342 or Psy 302****
B.A.A.S.	Organizational Leadership		Only Core Math
B.S.	Public Health		Core Math and Math 453
B.S.	Psychology		Core Math and Psy 302****
B.S.W.	Social Work		Only Core Math
B.S.	Sport and Recreation Management		Only Core Math
College of Humanities, Social Sciences and Arts			
B.A.	Art		Only Core Math

B.A./B.S.	Communication Studies	Only Core Math
B.A.C.J./B.S.C.J.	Criminal Justice	Core Math and Soc 332****
B.A.	English	Only Core Math. Middle School Teaching Certification requires Math 1314, 350, and 351.
B.A./B.S.	History	Only Core Math. Middle School Teaching Certification requires Math 1314, 350, and 351.
B.A./B.S.	Journalism	Only Core Math
B.A./B.S.	Liberal Studies	Only Core Math
B.M./B.S.	Music	Only Core Math
B.A./B.S.	Paralegal Studies	Only Core Math
B.A./B.S.	Political Science	Only Core Math
B.A./B.S.	Radio and Television	Only Core Math
B.A./B.S.	Sociology	Core Math and Soc 332****
B.A.	Spanish	Only Core Math
B.F.A.	Studio Art	Only Core Math
B.A./B.S.	Theatre	Only Core Math
College of Science and Engineering		
B.A./B.S.	Agribusiness	Core Math and Aec 380***
B.S.	Agricultural Science	Only Core Math*
B.S.	Agricultural Science and Technology	Only Core Math*
B.A./B.S.	Animal Science	Core Math and one of the following: Aec 380, Bsc 412, Eco 302, or Math 453.*** Eco 302 is not an option for the Pre-Veterinary
B.S.	Equine Science	Only Core Math*
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.A./B.S.	Biological Sciences	Select 6 sequential hours from the following: Math 1314, 2413, 142, or 192. Also requires one of the following: Math 453, Bsc 412, or Psy 302.****
B.S.	Biological Sciences - Teacher Certification	Only Core Math*
B.A./B.S.	Broadfield Science - Physics Emphasis	Math 2413, 192, and 314
B.S.	Chemistry	Math 2413, 192, and 314
B.S.	Chemistry - Teacher Certification	Math 2413
B.S.	Computer Science	Math 2413, 192, 331, 401, and an advanced Math elective (Math 301, 350, 351, 361, 362, 372, 380, and 460 are not options.)
B.S.C.I.S	Computer Information Systems	Either Math 1314 or 1324, Math 176, and Eco 302. Math 453 is an alternative to Eco 302 for Teaching Certification.
B.S.	Construction Engineering	Math 2413, 192, 314, 315, 335, and Engr 213
B.S.	Environmental Science	Only Core Math*
B.G.S.	General Studies	Only Core Math
B.S.	Industrial Engineering	Math 2413, 192, 315, 335, and Engr 213
B.A./B.S.	Mathematics	Math 2413 and beyond. See course catalog for details.
B.A./B.S.	Physics	Math 2413, 192, 314, and 315
B.S.	Pre-Medical - Biology/Chemistry	Math 2413 and 192
B.S.	Technology Management	Math 2413, 142, and 2413
B.S.	Therapy Biological Sciences - Pre-physical	Math 142 and either Math 453 or Psy 302****
B.S.	Wildlife and Conservation Science	Math 142, 1314, and either Aec 380 or Bsc 412***

* Math 1314 or 1324 or 179 is prerequisite for other required courses.

** Math 1332 is accepted as equivalent to Math 179 for transfer credit.

*** Aec 380 requires a prerequisite of either Math 1314 or 1324. Bsc 412 requires a prerequisite of Math 1314. Eco 302 requires a prerequisite of Math 176.

**** Math 1314, 1324, or 179 are a prerequisite for Psy 302 and Soc 332.

Texas A&M University Corpus Christi

University-Wide Core Math Requirement - 3 hours of Math at the level of College Algebra or above selected from the following: Math 1314, 1324, 1325, 1442, 2413, or Phil 2303. TAMU-CC is in the process of adding Math 1332 to its math course offerings for Fall 2016 and to its core curriculum in Fall 2017.

Course Guide

Math 1314 College Algebra	Math 3315 Differential Equations
Math 1316 Trigonometry	Math 3342 Applied Probability and Statistics
Math 1324 Mathematics for Business and Social Sciences	Math 3345 Statistical Modeling and Data Analysis
Math 1325 Business Calculus	Math 3470 Calculus III
Math 1332 Contemporary Mathematics	Math 4328 Discrete Mathematics II
Math 1442 Statistics for Life	Gisc 3300 Geospatial Mathematics Techniques
Math 2312 Precalculus	Orms 3310 Data Analysis and Statistics
Math 2305 Discrete Mathematics I	Phil 2303 Intro to Logic and Critical Thinking
Math 2413 Calculus I	Smte 1350 Fundamentals of Mathematics I (Math 1350)
Math 2414 Calculus II	Smte 1351 Fundamentals of Mathematics II (Math 1351)
Math 3311 Linear Algebra	Smte 3352 Fundamentals of Mathematics III
Math 3312 College Geometry	Smte 4382 Basic Mathematics from an Advanced Viewpoint

Degree		Major	Math Requirements
College of Business			
B.B.A.	Accounting		1324, 1325, and Orms 3310**
B.B.A.	Economics		1324, 1325, and Orms 3310**
B.B.A.	Finance		1324, 1325, and Orms 3310**
B.B.A.	General Business		1324, 1325, and Orms 3310**
B.B.A.	Management		1324, 1325, and Orms 3310**
B.B.A.	Management Information Systems		1324, 1325, and Orms 3310**
B.B.A.	Marketing		1324, 1325, and Orms 3310**
College of Education and Human Development			
B.S.	Athletic Training		Only Core Math

B.S.I.S.	Interdisciplinary Studies - EC-6 Generalist, EC-6 Bilingual, EC-12 Special Education	Math 1314, Smtc 1350, 1351, and 3352
B.S.I.S.	Interdisciplinary Studies - 4-8 Math	Math 1314, 1316, 2305, 2312, 2413, 3311, 3312, Smtc 1350, 1351, 3352, and 4382
B.S.	Kinesiology	Only Core Math. Exercise Science specialization requires Math 1442.
College of Liberal Arts		
B.A.S.	Applied Science	Only Core Math. Information Technology track also requires Math 2305.
B.A./B.F.A.	Art	Only Core Math
B.A.	Communication	Only Core Math
B.S.	Criminal Justice	Math 1442
B.A.	English	Only Core Math
B.A.	Graphic Design	Only Core Math
B.A.	History	Only Core Math
B.A./B.M.	Music	Only Core Math
B.A.	Philosophy	Phil 2303
B.A.	Political Science	Math 1442
B.A.	Psychology	Math 1442
B.A.	Sociology	Math 1442
B.A.	Spanish	Only Core Math
B.A.	Theatre	Only Core Math
College of Nursing and Health Sciences		
B.S.N.	Nursing	Math 1442
B.S.H.S.	Health Sciences	Only Core Math
College of Science and Engineering		
B.S.	Atmospheric Sciences	Core Math, 2413, 2414, 3311, 3315, 3345, and 3470
B.S.	Biology	Math 2413 and one of the following: Math 1314, 2312, 2414, or 3342. Ecology track requires Math 3342. Integrative Biology track requires either Math 2414 or 3342.
B.S.	Biomedical Sciences	Math 1442. Forensic Science option requires either Math 1442 or 3342, and 2413.
B.S.	Chemistry	General concentration requires Math 2413, 2414, and 3470. Environmental and Biochemistry concentrations require Math 1442, 2413, and 2414.
B.S.	Computer Science	Math 2413, 2305, and 3342. Systems Programming option also requires Math 2414 and 4328. Computer Game Programming option also requires Math 2414, 3311, and 4328.
B.S.	Electrical Engineering	Math 2305, 2413, 2414, 3311, 3315, 3342, and 3470

B.S.	Environmental Science	Math 1442 or 2413.* Earth System Science concentration requires Math 2413, 2414, 3311, and 3342. Marine and Coastal Resources Concentration, Environmental Health and Monitoring Concentration, and Policy and Regulations Concentration requires either Math 1442 or 2413. Science Education Concentration requires Math 1442, and either Math 1316, 2312, or 2413.
B.S.	Geographic Information Science	Math 2413, 2414, 3342, and Gisc 3300
B.S.	Geology	Math 2413 and 3342
B.S.	Mathematics	Math 2413 and beyond. See course catalog for details.
B.S.	Mechanical Engineering	Math 2413, 2414, 3315, and 3470. Math 3342 is recommended as an upper division elective.
B.S.	Mechanical Engineering Technology	Math 2413 and 2414
B.S.	Physics	Math 2413, 2414, 3315, and 3470
University Studies		
B.A./B.S./B.A.S.	University Studies	Only Core Math

*If Math 1442 is not taken, then Math 3342 is required from the designated-elective hours. Math 2413 is strongly recommended for students anticipating graduate school or research careers; also, it is a prerequisite to some of the optional courses listed below under the concentration.

** Higher level mathematics course may be accepted as a substitute for Math 1324 with approval

Texas A&M University Galveston

University-Wide Core Math Requirement - 6 hours selected from the following: Math 131, 140, 141, 142, 147, 148, 150, 151, 152, 166, 167, 171, 172, and Phil 240.

Course Guide

Math 131 Mathematical Concepts - Calculus	Math 171 Analytic Geometry and Calculus
Math 140 Mathematics for Business and Social Sciences (Math 1324)	Math 172 Calculus
Math 141 Finite Mathematics	Math 251 Engineering Mathematics III
Math 142 Business Calculus (Math 1325)	Math 308 Differential Equations
Math 147/148 Calculus for Biological Sciences I & II	Marb 303 Biostatistics*
Math 150 Functions, Trig. Linear Systems (Math 2412)	Phil 240 Introduction to Logic (Phil 2303)
Math 151 Engineering Math I (Math 2413/2513)	Scmt 303 Statistical Methods
Math 152 Engineering Math II (Math 2414)	Stat 201 Elementary Stat Inference (Math 1342/1442)
Math 166 Topics in Contemporary Math II	Stat 303 Statistical Methods**
Math 167 Explorations in Mathematics	

Degree		Major	Math Requirements
Department of Liberal Studies			
B.A.		Maritime Studies	Only Core Math
B.S.		University Studies - Marine Environmental Law and Policy Concentration	Only Core Math
B.S.		University Studies - Maritime Public Policy and Communication Concentration	Only Core Math
Department of Marine Biology			
B.S.		Marine Biology	Marb 303, either Math 142 or 151, and one of the following: Math 141, 150, 152, or Phil 240. License option also requires Math 166.
B.S.		Marine Fisheries	Marb 303, either Math 142 or 151, and one of the following: Math 141, 150, 152, or Phil 240.*
Department of Marine Engineering Technology			
B.S.		Marine Engineering Technology	Math 151 and 152
Department of Marine Sciences			
B.S.		Marine Sciences - License Option	Math 151 and 152
B.S.		Marine Sciences - Chemical Marine Science	Math 151 and 152
B.S.		Marine Sciences - Geological Marine Science	Math 151 and 152
B.S.		Marine Sciences - Integrated Marine Science	Math 151, 152, 251, and 308
B.S.		Marine Sciences - Physical Marine Science	Math 151, 152, 251, and 308
B.S.		Ocean and Coastal Resources	Either Math 142 or 151, and either Math 141 or 152, and Stat 303
B.S.		University Studies - Oceans and One Health Concentration	3 hours of Core Math and one of the following: Marb 303, Scmt 303, Stat 201, and 303
Department of Administration			
B.S.		Maritime Administration	Math 141 and 142
Department of Transportation			
B.S.		Marine Transportation	Math 141 and 142

* Math 151 is a prerequisite for Marb 303.

** Math 141 or 166 or equivalent is a prerequisite for Stat 303.

Texas A&M International University

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1314, 1316, 1324, 1333, 1342, 2412, or 2413.

Course Guide

Math 1314 College Algebra	Math 2413 Calculus I
Math 1316 Plane Trigonometry	Math 2414 Calculus II
Math 1324 Business Mathematics I	Math 2415 Calculus III
Math 1325 Business Mathematics II	Math 3310 Intro to Linear Algebra
Math 1333 Mathematics for Liberal Arts II	Math 3330 Differential Equations
Math 1342 Introductory Statistics	Crij 4325 Statistics in Criminal Justice
Math 1350 Fundamentals of Math I	Ds 2310 Business Statistics I
Math 1351 Fundamentals of Math II	Psyc 2117 Basic Statistics for Psych Lab
Math 2412 Precalculus	Psyc 2317 Basic Statistic for Psychology

Degree	Major	Math Requirements
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College of Arts and Sciences

B.A.A.S.	Applied Arts and Sciences	Math 1314 and an additional 3 SCH above Math 1314. Criminal Justice concentration also requires Crij 4325.
B.A.	Art	Math 1314 and an additional 3 SCH above Math 1314
B.A./B.S.	Biology	Math 1342 and 2412
B.S.	Chemistry	Math 2413, 2414, and 3330
B.A.	Communication	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Communication and Spanish	Math 1314 and an additional 3 SCH above Math 1314
B.S.C.J.	Criminal Justice	Math 1314, Crij 4325, and an additional 3 SCH above Math 1314.
B.A.	Criminal Justice and Political Science	Math 1314 and an additional 3 SCH above Math 1314. Math 1342 is strongly recommended.
B.A.	English	Math 1314 and an additional 3 SCH above Math 1314
B.A.	English - 7-12 Certification	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Hispanic Studies	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Hispanic Studies - All Level Certification	Math 1314 and an additional 3 SCH above Math 1314
B.A.	History	Math 1314 and an additional 3 SCH above Math 1314
B.A.	History - 7-12 Certification	Math 1314 and an additional 3 SCH above Math 1314
B.A.	History and Political Science	Math 1314 and an additional 3 SCH above Math 1314
B.A./B.S.	Mathematics	Math 2413 and beyond. See course catalog for details.
B.A.	Mathematics - 7-12 Certification	Math 2413 and beyond. See course catalog for details.
B.A.	Multidisciplinary Studies	Math 1314 and an additional 3 SCH above Math 1314
B.A./B.M.	Music	Math 1314 and an additional 3 SCH above Math 1314

B.A.	Political Science	Math 1314 and an additional 3 SCH above Math 1314. Math 1342 is strongly recommended.
B.A.	Psychology	Math 1314, Psyc 2317, 2117, and additional 3 SCH above Math 1314
B.S.	Science - 7-12 Certification	Math 1342 and 2412
B.A.	Sociology	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Spanish	Math 1314 and an additional 3 SCH above Math 1314
B.S.	Systems Engineering	Math 2413, 2414, 2415, and 3310
College of Education		
B.S.	Communication Disorders	Math 1314 and 1342
B.S.I.S.	Interdisciplinary Studies - Elementary Ed.	Math 1314, 1350, and 1351
B.S.I.S.	Interdisciplinary Studies - Elementary Ed.	Math 1314, 1350, and 1351
B.S.I.S.	Interdisciplinary Studies - Elementary Ed.	Math 1314, 1350, and 1351
B.S.	Kinesiology	Math 1314 and an additional 3 SCH above Math 1314
B.S.	Special Education	Math 1314, 1350, and 1351
College of Nursing and Health Sciences		
R.N./B.S.N.	Nursing	Math 1314 and 1342
A.R. Sanchez, Jr. School of Business		
B.B.A.	Accounting	Math 1324, 1325, and Ds 2310
B.B.A.	Business Administration	Math 1324, 1325, and Ds 2310
B.B.A.	Finance	Math 1324, 1325, and Ds 2310
B.B.A.	International Economics	Math 1324, 1325, and Ds 2310
B.B.A.	Management	Math 1324, 1325, and Ds 2310
B.B.A.	Management Information Systems	Math 1324, 1325, and Ds 2310
B.B.A.	Marketing	Math 1324, 1325, and Ds 2310
University College		
B.A.	Multidisciplinary Studies	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Multidisciplinary Studies - Pre-Law Option	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Multidisciplinary Studies - Art and Business	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Multidisciplinary Studies - Early Learning	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Multidisciplinary Studies - Ethical Leadership in Business	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Multidisciplinary Studies - Ethical Leadership in Politics and Law	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Multidisciplinary Studies - Health Administration	Math 1314 and an additional 3 SCH above Math 1314
B.A.	Multidisciplinary Studies - Human Resources Development	Math 1314 and an additional 3 SCH above Math 1314

B.A.	Multidisciplinary Studies - Organizational Psychology and Business	Math 1314 and an additional 3 SCH above Math 1314
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Texas A&M University Kingsville

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1314, 1316, 1324, 1325, 1334, 1348, 1350, or 2413.

Course Guide

Math 1314 College Algebra	Math 3320 Differential Equations
Math 1316 Trigonometry	Math 3415 Calculus III
Math 1324 Math for Business and Economics I	Ansc 4308 Statistics in Agriculture
Math 1325 Math for Business and Economics II	Buad 3355 Business Statistics
Math 1334 Contemporary Mathematics (Math 1332)	Psyc 3381 Statistics for the Behavioral Sciences
Math 1348 Analytic Geometry	Soci 3381 Statistics for the Behavioral Sciences
Math 1350 Fundamentals of Mathematics I	Stat 1342 Elementary Statistics (Math 1342)
Math 1351 Fundamentals of Mathematics II	Stat 4301 Statistics for Biometrics
Math 2413 Calculus I	Stat 4303 Statistical Methods
Math 2414 Calculus II	

Degree	Major	Math Requirements
College of Agriculture, Natural Resources, and Human Sciences		
B.S.	Agriculture - Agribusiness	Math 1324, 1325, and Ansc 4308
B.S.	Agriculture - Agribusiness/Ranch Management	Math 1324, 1325, and Ansc 4308
B.S.	Agriculture - Agriculture Science	Math 1314 and Ansc 4308
B.S.	Agriculture - Animal Science	Math 1314 and Ansc 4308. Pre-Vet concentration also requires either Math 2413 or Ansc 4308, and Math 1316.
B.S.	Agriculture - Range and Wildlife Management	Math 1314, 1325, and Ansc 4308
B.S.	Agriculture - Natural Resource Enterprise Mgmt.	Math 1314 and Ansc 4308
B.S.	Agriculture - Plant and Soil Science	Math 1314 and Ansc 4308
B.S.	Agriculture - Animal-Wildlife Veterinary Tech	Math 1314
B.S.	Human Nutrition	Math 1314 and Stat 1342
B.S.	Human Sciences	Math 1314. Fashion and Interiors Merchandising concentration can substitute 1324 for 1314.
College of Arts and Sciences		
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.A.	Art	Only Core Math
B.A.	Biology	Math 1316
B.S.	Biology	Math 1316 and one of the following: Stat 1342, 4301, or 4303
B.S.	Biology with Teaching Certification	Math 1316 and Stat 1342
B.S.	Biomedical Sciences	Math 2413 and Stat 4301
B.A.	Communication	Only Core Math
B.S.	Communication Sciences and Disorders	Only Core Math and Psyc 3381
B.S.	Chemistry	Math 1348, 2413, and 2414
B.S.	Chemistry - Biochemistry	Math 2413, 2414, and Stat 4301
B.S.	Chemistry - Pre-Health	Math 2413, 2414, and Stat 4301
B.A.	Chemistry with Teaching Certification	Math 1348, 2413, and 2414
B.S.	Criminal Justice	Math 1314 and either Psyc 3381 or Soci 3381
B.S.	Criminology	Either Math 1314 or 1334, and either Psyc 3381 or Soci 3381
B.A.	English	Only Core Math
B.A.	Fine Arts	Math 1314

B.S.	Geology	Math 2413
B.S.	Geology with Teaching Certification	Math 1316 and 1348; these can be substituted with any two more advanced Math courses.
B.A.	History	Only Core Math
B.A./B.S.	Mathematics	Math 2413 and beyond. See course catalog p. 192 for details.
B.A./B.M.	Music	Math 1314
B.S.	Physics	Math 2413, 2414, 3415, and 3320
B.A.	Political Science	Either Math 1314 or 1334, and either Buad 3355 or Soci 3381. All except business minors should take Soci 3381; business minors will also need to take Math 1325, a prerequisite for Buad 3355.
B.A.	Psychology	Either Math 1314 or 1334, and Psyc 3381
B.A.	Sociology	Either Math 1314 or 1334, and Soci 3381
B.S.W.	Social Work	Core Math and either Psyc 3381 or Soci 3381
B.A.	Spanish	Only Core Math
B.A.	Speech with Teaching Certification	Only Core Math
College of Business Administration		
B.B.A.	Accounting	Math 1314 and Buad 3355
B.B.A.	Finance	Math 1314 and Buad 3355
B.B.A.	General Business Administration	Math 1314 and Buad 3355
B.B.A.	Information Systems	Math 1314 and Buad 3355
B.B.A.	Management	Math 1314 and Buad 3355
B.B.A.	Marketing	Math 1314 and Buad 3355
College of Education and Human Performance		
B.S.	Interdisciplinary Studies - Bilingual Generalist EC-6	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - Business Education 6-12	Math 1324 and 1325
B.S.	Interdisciplinary Studies - English LA/Reading 4-8	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - English LA/Reading 8-12	Math 1314
B.S.	Interdisciplinary Studies - Generalist 4-8	Either Math 1314 or 1316, Math 1350, 1351, and Stat 1342. Mathematic concentration requires additional coursework. See course catalog p. 277 for details.
B.S.	Interdisciplinary Studies - Generalist EC-6	Either Math 1314 or 1316, Math 1350, and 1351
B.S.	Interdisciplinary Studies - Mathematics 4-8	Math 2413 and beyond. See course catalog p. 278 for details.
B.S.	Interdisciplinary Studies - Science 4-8	Math 1314, 1316, and 1350
B.S.	Interdisciplinary Studies - Science 8-12	Math 1314 and 1316
B.S.	Interdisciplinary Studies - Social Studies 4-8	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - SPED EC-12	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - Technology Apps 7-12	Math 1314
B.S.	Interdisciplinary Studies - Technology Apps EC-12	Math 1314 or 1324
B.S.	Kinesiology - Exercise Science	Math 1314. Sport Business concentration also allows Math 1324 as a Core Math option.
College of Engineering		
B.S.	Architectural Engineering	Math 2413, 2414, 3320, and math elective. Elective options: Math 3415, 4341, 4372, 4374, or any other approved upper-level math course recommended
B.S.	Chemical Engineering	Math 2413, 2414, 3320, and 3415
B.S.	Civil Engineering	Math 2413, 2414, 3320, and Stat 4303
B.S.	Computer Science	Math 2413, 2414, 3320, 3370, and Stat 1342
B.S.	Electrical Engineering	Math 2413, 2414, 3320, 3415, and 4341

B.S.	Environmental Engineering	Math 2413, 2414, 3320, and Stat 4303
B.S.	Industrial Management and Technology	6 hours selected from the following: Math 1314, 1316, 1324, and 1325
B.S.	Mechanical Engineering	Math 2413, 2414, 3320, 3415, and math elective chosen from one of the following: Math 4341, 4370, 4371, 4372, 4373, 4374, or Stat 4303
B.S.	Natural Gas Engineering	Math 2413, 2414, 3320, and Stat 4303

**Texas A&M University
Main Campus**

University-Wide Core Math Requirement - 6 hours selected from the following: Math 131, 140, 141, 142, 147, 148, 150, 151, 152, 166, 167, 171, 172, and Phil 240.

Course Guide

Math 102 College Algebra (Math 1314, 1414)	
Math 131 Mathematical Concepts - Calculus	Math 311 Topics in Applied Mathematics I
Math 140 Mathematics for Business and Social Sciences (Math 1324)	Math 323 Linear Algebra
Math 141 Finite Mathematics	Math 365/366 Structure of Math I & II
Math 142 Business Calculus (Math 1325)	Math 401 Advanced Engineering Math
Math 147/148 Calculus for Biological Sciences I & II	Aero 220 Introduction to Aerospace Computation
Math 150 Functions, Trig. Linear Systems (Math 2412)	Aero 430 Numerical Simulation
Math 151 Engineering Math I (Math 2413/2513)	Eset 329 Six Sigma and Applied Statistics
Math 152 Engineering Math II (Math 2414)	Essm 313 Sampling Methods & Designs of Ecosystems
Math 166 Topics in Contemporary Math II	Epsy 435 Educational Statistics
Math 167 Explorations in Mathematics	Masc 351 Problem Solving in Mathematics
Math 170 Freshman Mathematics Laboratory	Phil 240 Introduction to Logic (Phil 2303)
Math 171 Analytic Geometry and Calculus	Phil 341/342 Symbolic Logic I & II
Math 172 Calculus	Scmt 303 Statistical Methods
Math 220 Foundations of Math	Stat 182 Foundations of Statistics
Math 221 Several Variable Calculus	Stat 201 Elementary Stat Inference (Math 1342/1442)
Math 302 Discrete Mathematics	Stat 211 Principles of Statistics I
Math 304 Linear Algebra	Stat 301 Introduction to Biometry***
Math 308 Differential Equations	Stat 302/3 Statistical Methods***
Math 309 Linear Algebra: Differential Equations	Tefb 412 Mathematics in the Elementary School

Degree Major		Math Requirements
College of Agriculture and Life Sciences		
B.S.	Agribusiness	Math 141, 142, and Scmt 303
B.S.	Agricultural Communications and Journalism	Core Math and statistics elective from either Stat 201–225 or Stat 301–415
B.S.	Agricultural Economics	Math 141, 142, and Stat 303
B.S.	Agricultural Leadership and Development	Only Core Math
B.S.	Agricultural Science	Only Core Math
B.S.	Agricultural Systems Management	Math 141, 142, and either Stat 302 or 303
B.S.	Animal Science	Core Math and Stat 301***
B.S.	Biochemistry	Either Math 151 or 171, and either Math 152 or 172, and either Math 221 or 251 or 253
B.S.	Bioenvironmental Science	Core Math and Stat 302***
B.S.	Biological and Agricultural Engineering	Math 151, 152, 251, 308, and an additional Math elective
B.S.	Ecological Restoration	Only Core Math
B.S.	Entomology	Math 141 and one of the following: Math 131, 142, 167, or Phil 240
B.S.	Environmental Studies	Core Math and Stat 303***
B.S.	Food Science and Technology	Core Math and Stat 302***
B.S.	Forensic and Investigative Science - Science	Either Math 141 or 166, and either 131 or 142 or Phil 240, and Stat 303

B.S.	Forensic and Investigative Science - Pre-Law	Either Math 141 or 166, and either 131 or 142 or Phil 240, and Stat 303
B.S.	Forestry	Only Core Math
B.S.	Genetics	Either Math 151 or 171, and either Math 152 or 172, and Stat 302
B.A./B.S.	Horticulture	Only Core Math
B.S.	Nutrition	Either Math 141 or 151, and either Math 142 or 152, and Stat 302
B.S.	Plant and Environmental Soil Science	Core Math and either Stat 302 or Essm 313
B.S.	Poultry Sciences	Math 142, Phil 240, and either Stat 301 or 302
B.S.	Rangeland Ecology & Management	Only Core Math
B.S.	Recreation, Park, & Tourism Sciences	Math 141, and either Math 142 or Phil 240, and either Stat 201 or 302 or 303
B.S.	Renewable Natural Resources	Only Core Math
B.S.	Spatial Sciences	Only Core Math
B.S.	Turfgrass Science	Core Math and either Stat 302 or Essm 313***
B.S.	University Studies - Environmental Business	Only Core Math
B.S.	University Studies - Leadership Studies	Only Core Math
B.S.	Wildlife and Fisheries Sciences	Either Math 131 or 142, and either Phil 240 or Math 141, and Stat 302***
College of Architecture		
B.S.	Construction Science	Math 141 and 142
B.S.	Environmental Design Architectural Studies	Either Math 141 or 152, and either Math 142 or 151
B.S.	Landscape Architecture	Math 141 and 142
B.S.	University Studies - Global Arts, Planning, Design and Construction	Only Core Math
B.S.	Urban and Regional Sciences	Math 141 and 142
B.S.	Visualization	Math 151 and 152
Mays Business School		
B.B.A.	Accounting	Math 141, 142, and Scmt 303*
B.B.A.	Business Honors	Math 141, 142, and Scmt 303*
B.B.A.	Finance	Math 141, 142, and Scmt 303*
B.B.A.	Management	Math 141, 142, and Scmt 303*
B.B.A.	Management Information Systems	Math 141, 142, and Scmt 303*
B.B.A.	Marketing	Math 141, 142, and Scmt 303*
B.B.A.	Supply Chain Management	Math 141, 142, and Scmt 303*
B.S.	University Studies - Business	Only Core Math
Baylor College of Dentistry		
B.S.	Dental Hygiene	Only Core Math
College of Education and Human Development		
B.S.	Community Health	Select one of the following: Math 131, 142, 147, 151, 171, or Phil 240. And one of the following: Math 141, 148, 152, 166, or 172.
B.S.	Health	Select one of the following: Math 131, 142, 147, 151, 171, or Phil 240. And one of the following: Math 141, 148, 152, 166, or 172. Allied Health track also requires either Stat 301, 302, or 303.***
B.S.	Human Resource Development	Math 141 and 142
B.S.	Interdisciplinary Studies - Bilingual Ed EC-6	Either Math 141 or 166, and either 131 or 142, and either Epsy 435 or Stat 303, Math 365, 366, and Tefb 412
B.S.	Interdisciplinary Studies - Bilingual Ed EC-12	Either Math 141 or 166, and either 131 or 142, and either 365 or 366

B.S.	Interdisciplinary Studies - ELA/SS Middle School	Either Math 141 or 166, and either 131 or 142, and either Epsy 435 or Stat 303, and Masc 351
B.S.	Interdisciplinary Studies - Math/Science Middle School	Either Math 141 or 166, and either 131 or 142, 365, 366, 367, Masc 351, Masc 450, and Stat 303
B.S.	Interdisciplinary Studies - PK-6 Generalist	Either Math 141 or 166, and either 131 or 142, 365, 366, Masc 351, and either Epsy 435 or Stat 303, and Tefb 412
B.S.	Kinesiology	Select one of the following: Math 131, 142, 147, 151, or 171. And one of the following: Math 141, 148, 152, 166, or 172. Exercise Science tracks also require either Stat 302 or 303.***
B.S.	Sport Management	Select one of the following: Math 131, 142, 147, 151, or 171. And one of the following: Math 141, 148, 152, 166, or 172. Also requires either Stat 302 or 303.***
B.S.	University Studies - Child Professional Services	Either Math 141 or 166, and either Math 131 or 142 or Phil 240, and Epsy 435
B.S.	University Studies - Dance	Select one of the following: Math 131, 142, 147, 151, 171, or Phil 240. And one of the following: Math 141, 148, 152, 166, or 172.
B.S.	University Studies - Sport Conditioning	Select one of the following: Math 131, 142, 147, 151, 171, or Phil 240. And one of the following: Math 141, 148, 152, 166, or 172.
B.S.	University Studies - Sport Leadership	Select one of the following: Math 131, 142, 147, 151, 171, or Phil 240. And one of the following: Math 141, 148, 152, 166, or 172.
B.S.	Technology Management	Math 141 and 142
Dwight Look College of Engineering		
B.S.	Aerospace Engineering	Math 151, 152, 251, 308, and either 401 or Aero 430. Aero 430 requires either Aero 220 or Math 417 as a prerequisite.
B.S.	Biological and Agricultural Engineering	Math 151, 152, 251, 308, and a Math elective to be selected in consultation with student's advisor
B.S.	Biomedical Engineering	Math 151, 152, 251, and 308
B.S.	Chemical Engineering	Math 151, 152, 251, and 308
B.S.	Civil Engineering	Math 151, 152, 251, 308, and Stat 211. Structural Engineering track also requires either Math 304 or 311.
B.S.	Computer Science	Math 151, 152, 304, and either 251 or 302 or 308, and Stat 211
B.S.	Computer Engineering	Math 151, 152, 251, 308, 311, and Stat 211
B.S.	Electrical Engineering	Math 151, 152, 251, 308, and 311
B.S.	Electronic Systems Engineering Technology	Math 151, 152, Eset 329, and a Math elective to be selected in consultation with student's advisor
B.S.	Manufacturing and Mechanical Engineering Technology	Math 151, 152, and Stat 211
B.S.	Multidisciplinary Engineering Technology	Math 151 and 152
B.S.	Industrial Distribution	Math 151, 152, and either Stat 201 or 303***
B.S.	Industrial Engineering	Math 151, 152, 251, 304, 308, and Stat 211
B.S.	Mechanical Engineering	Math 151, 152, 251, and 308
B.S.	Nuclear Engineering	Math 151, 152, 251, 308, and 309
B.S.	Ocean Engineering	Math 151, 152, 251, 308, and Stat 211
B.S.	Petroleum Engineering	Math 151, 152, 251, and 308
B.S.	Radiological Health Engineering	Math 151, 152, 251, 308, 309, and Stat 211
College of Geosciences		
B.S.	Environmental Geosciences	Math 151, 152, and either Stat 211 or 303 ***
B.S.	Environmental Studies	Math 141, 142, and Stat 303 ***
B.S.	Geographic Info. Science & Tech. - CDA	Math 141, 142, and Stat 303 ***
B.S.	Geographic Info. Science & Tech. - ESA	Math 141, 142, and Stat 303 ***
B.S.	Geographic Info. Science & Tech. - HSS	Math 141, 142, and Stat 303 ***
B.S.	Geography	Math 141, 142, and Stat 303 ***

B.A.	Geology	Either Math 166 or 141, and one of the following: Math 131, 142, 151, or 171
B.S.	Geology	Math 151, 152, 251, and 308
B.S.	Geophysics	Math 151, 152, 251, 308, 311, and 412
B.S.	Meteorology	Either Math 151 or 171, and either 152 or 172, 251, 308, and Stat 211
B.S.	University Studies - Geographic Info., Sci. & Tech.	Math 141 and 142
B.S.	University Studies - Geography	Math 141 and 142
College of Liberal Arts		
B.A.	Anthropology	Either Math 141 or 166, and either Stat 302 or 303***
B.A.	Classics	Only Core Math**
B.A.	Communication	Either Math 141 or 166, and one of the following: Math 131, 142, 151, Phil 240, or higher
B.A./B.S.	Economics	Either Math 141 or 166, and either Math 131 or 142 or 151
B.A.	English	Only Core Math**
B.A.	History	Only Core Math. 3 hours of Core Math may be selected from either Phil 240 or 341 or 342
B.A.	International Studies	Only Core Math**
B.A.	Modern Languages	Only Core Math**
B.A.	Performance Studies	Only Core Math
B.A.	Philosophy	Only Core Math
B.A.	Political Science	Only Core Math (except for Math 102, 150, 167, 365, and 366)**
B.S.	Political Science	Select one of the following sequences: Phil 240, Math 141, and 142; or Phil 240, Math 151, and 152; or Phil 240, Math 171, and 172
B.A./B.S.	Psychology	Phil 240 and 3 hours of Math 131–467 (except 150, 167, 365, 366)
B.A./B.S.	Sociology	Only Core Math
B.A.	Spanish	Only Core Math
B.A.	University Studies – Journalism	Only Core Math
B.A./B.S.	University Studies – Race, Gender, Ethnicity	Only Core Math
B.S.	University Studies - Religious Thought, Pract. and Cult.	Only Core Math
B.S.	University Studies - Society, Ethics and Law	Only Core Math**
B.A./B.S.	Telecommunication Media Studies	Either Math 141 or 166, and one of the following: Math 131, 142, 151, Phil 240, or higher. B.S. also requires Stat 303.***
B.A.	Women's and Gender Studies	Only Core Math
College of Nursing		
B.S.N.	Nursing	Only Core Math
School of Public Health		
B.S.P.H.	Public Health	Only Core Math
College of Science		
B.S.	Applied Mathematical Sciences	Math 170, 171, 172, 220, 221, and beyond. Additional math required depending on emphasis. See course catalog for details.
B.A./B.S.	Biology	Math 147, 148, and Stat 302***
B.S.	Microbiology	Math 147, 148, and Stat 302***
B.S.	Molecular and Cell Biology	Math 147, 148, and Stat 302***
B.S.	Zoology	Math 147, 148, and Stat 302***
B.A.	Chemistry	Either Math 151 or 171, and either 152 or 172

B.S.	Chemistry	Either Math 151 or 171, and either 152 or 172, and either 221 or 253, and one of the following: 304, 308, Stat 211, or an advanced Math or Stat course approved by chemistry advisor.
B.S.	Chemistry - Biological Chemistry Track and Environmental Chemistry Track	Either Math 151 or 171, and either 152 or 172, and either 221 or 223, and one of the following: Stat 211, 302, or Math or Stat course approved by chemistry advisor
B.A./B.S.	Mathematics	Math 170 and beyond. See course catalog for details.
B.A./B.S.	Physics	Math 171, 172, 221, and 308
B.S.	Statistics	Math 171, 172, 221, and either 304 or 323. Also requires Stat 182 and beyond. See course catalog for details.
B.S.	University Studies - Math for Business	Math 220 and beyond. See course catalog for details.
B.S.	University Studies - Math for Teaching	Math 220 and beyond. See course catalog for details.
B.S.	University Studies - Mathematics for Pre-Professionals	Math 220 and beyond. See course catalog for details.
B.S.	University Studies - Science for Secondary Teaching	Either Math 147 or 151 or 171, and either Math 148 or 152 or 172
College of Veterinary Medicine and Biomedical Sciences		
B.S.	Biomedical Sciences	Stat 302, a Math elective, and one of the following: Math 131, 142, 151, or 171***
B.S.	University Studies - Biomedical Sciences	Only Core Math. 3 hours of Core Math must be selected from: Math 131, 142, 151, or 171.

* Math 131, 151, or 171 will be accepted in lieu of Math 142. Math 152, 166, or 172 will be accepted in lieu of Math 141.

**At least 3 hours must be in MATH. Three hours may be PHIL 240.

***Stat 301, 302, and 303 require either Math 141 or 166 or equivalent as prerequisites.

Texas A&M University San Antonio

**University-Wide Core Math Requirement - 3 hours selected from the following:
Math 1314, 1324, 1332, 1342, 2312, or 2313.**

Course Guide

Math 1314 College Algebra	Math 2314 Calculus II
Math 1316 Trigonometry	Math 3301 Biostatistics
Math 1324 Business Math	Math 3320 Differential Equations
Math 1325 Business Calculus	Math 3340 Linear Algebra
Math 1332 Contemporary Mathematics	Math 3370 Discrete Math
Math 1342 Elementary Statistics	Math 4303 Statistical Methods
Math 1350 Fundamental of Math I	Buad 3355 Business Statistics
Math 1351 Fundamentals of Math II	Crim 3380 Statistics for Criminology
Math 2312 Precalculus	Soci 3330 Statistics for Sociology
Math 2313 Calculus I	

Degree		Major	Math Requirements
College of Business			
B.B.A.	Accounting		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	Computer Information Systems (CIS)		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	CIS - Enterprise Resource Planning Systems		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	CIS - Information Assurance and Security		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	CIS - Project Management		Either Math 1314 or 1324, 1325, and Buad 3355
B.S.	Computer Science		Math 1342, 2313, 2314, and one of the following: Math 3320, 3340, 3370, 4303, or 4374
B.B.A.	Finance		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	General Business		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	International Management		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	Management		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	Management - Entrepreneurship		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	Management - Human Resources		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	Management - Supply Chain Management		Either Math 1314 or 1324, 1325, and Buad 3355
B.B.A.	Marketing		Either Math 1314 or 1324, 1325, and Buad 3355
College of Education and Human Development			
B.S.	Community Health		Math 1314
B.S.	Interdisciplinary Studies - Bilingual Generalist (EC-6)		Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - Bilingual Generalist (4-8)		Math 1314, 1350, and 1351

B.S.	Interdisciplinary Studies - Elementary Studies (Non-Certification)	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - Generalist (EC-6)	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - Generalist (4-8)	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - SPED (EC-12) w/Generalist (EC-6)	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - SPED (EC-12) w/Generalist (4-8)	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - SPED (EC-12) with/Generalist (7-12)	Math 1314
B.S.	Kinesiology Exercise Science	Math 1314
B.S.	Kinesiology Exercise Science/Pre-PT	Math 1314
B.S.	Kinesiology Physical Education (EC-12)	Math 1314
College of Arts and Sciences		
B.A.	Biology	Math 1342 and 2312
B.S.	Biology	Math 2312 and either 3301 or 4303
B.S.	Biology - Teacher Certification	Math 1342 and 2312
B.A.A.S.	Business Concentration	Either Math 1314 or 1324, 1325, Buad 3355
B.A.	Communication	Only Core Math
B.S.	Criminology and Criminal Justice	Either Math 1314 or 1342, and Crim 3380
B.A.A.S.	Criminology and Criminal Justice	Either Math 1314 or 1342, and Crim 3380
B.A.A.S.	Early Childhood Education (Non-Certification)	Either Math 1314 or 1332
B.A.	English	Only Core Math
B.A.	English - Teacher Certification	Math 1314
B.A.A.S.	Fire and Emergency Services Administration	Math 1332
B.A.	History	Only Core Math
B.A.	History - European Track	Only Core Math
B.A.	History - Teacher Certification	Math 1314
B.A.A.S.	Information Technology	Math 1342
B.A.A.S.	Information Technology - Enterprise Resource Management	Math 1342
B.A.A.S.	Information Technology - Information Assurance and Security	Math 1342
B.A.A.S.	Information Technology - Project Management	Math 1342
B.A.A.S.	Interdisciplinary Studies (Non-certification)	Math 1314

B.A.A.S.	Logistics and Supply Chain Management	Either Math 1314 or 1324, and 1325
B.A.	Mathematics	Math 2313 and beyond. See course catalog p. 128 for details.
B.S.	Mathematics	Math 2313 and beyond. See course catalog p. 129 for details.
B.S.	Mathematics - Teacher Certification	Math 2313 and beyond. See course catalog p. 130 for details.
B.A.	Political Science	Math 1342 and either Soci 3381 or Buad 3355
B.A./B.S.	Psychology	Math 1314
B.A.A.S.	Psychology Concentration	Math 1314
B.A.	Sociology	Core Math and Soci 3330
B.A.A.S.	Sociology Concentration	Core Math and Soci 3330
B.A.	Spanish	Only Core Math

Texas A&M University Texarkana

University-Wide Core Math Requirement - 3 hours selected from Math 1314, 1324, 1332, 1342,* 2412, or 2413.	
Course Guide	
Math 1314 College Algebra	Math 2412 Pre-Calculus
Math 1324 Math for Business & Social Sciences I	Math 2413 Calculus I
Math 1325 Business Calculus	Math 2414 Calculus II
Math 1332 Contemporary Mathematics I	Math 326 Problem Solving for Elementary Teachers
Math 1342 Elementary Statistical Methods (Math 2342)	Math 357 Probability and Statistics
Math 1350 Fundamentals of Math I	Math 415 Numerical Analysis
Math 1351 Fundamentals of Math II	Cosc 2318 Engineering Mathematics
Math 2305 Discrete Mathematics	Psyc 2317 Statistical Methods in Psychology
Math 2318 Linear Algebra	Soci 2317 Social Statistics
Math 2320 Differential Equations	

Degree	Major	Math Requirements
College of Business		
B.B.A.	Accounting	Math 1324, 1325, and 2342
B.B.A.	Business Administration	Math 1324, 1325, and 2342
B.B.A.	Finance	Math 1324, 1325, and 2342
B.B.A.	Management	Math 1324, 1325, and 2342
B.B.A.	Management Information Systems	Math 1324, 1325, and 2342
B.B.A.	Marketing	Math 1324, 1325, and 2342
College of Education and Liberal Arts		
B.A.A.S.	Applied Arts & Sciences	Only Core Math
B.S.C.J.	Criminal Justice	Only Core Math
B.A./B.S.	English	Only Core Math
B.G.S.	General Studies	Only Core Math
B.A./B.S.	History	Core Math. Math 1350 and 1351 are required for B.S. with 4-8 Social Studies teaching certificate.
B.S.	Mass Communication	Only Core Math
B.S.	Political Science	Only Core Math
B.A./B.S.	Psychology	Core Math and Psyc 2317
B.S.	Sociology	Core Math
B.S.I.S.	Teacher Certification - EC-6 Generalist, Bilingual Generalist, and Special Education	Math 1314, 1350, 1351, and 326
B.S.I.S.	Teacher Certification - 4-8 ELA	Only Core Math
B.S.I.S.	Teacher Certification - 4-8 Mathematics	Math 2413 and beyond. See catalog for details.
B.S.I.S.	Teacher Certification - 4-8 Science (Biology)	Math 1314, 1350, and 1351
B.S.I.S.	Teacher Certification - 4-8 Social Studies	Math 1314, 1350, and 1351
B.S.I.S.	Teacher Certification - 7-12 ELA	Only Core Math

B.S.I.S.	Teacher Certification - 7-12 History	Only Core Math
B.S.I.S.	Teacher Certification - 7-12 Life Sciences (Biology)	Math 2412 and 2342
B.S.I.S.	Teacher Certification - 7-12 Mathematics	Math 2413 and beyond. See catalog for details.
B.S.I.S.	Teacher Certification - 7-12 Composite Science (Biology)	Math 1314 and 2342
B.S.I.S.	Teacher Certification - 7-12 Social Studies	Only Core Math
College of Science, Technology, Engineering, Mathematics and Nursing		
B.S.	Biology	Math 2413
B.S.	Computer Science	Math 2413, 2414, 2318, and 357
B.S.	Electrical Engineering	Math 2413, 2414, 2415, 2318, and 2320
B.S.	Mathematics	Math 2413 and beyond. See catalog for details.
B.S.N.	Nursing	Core Math and Math 2342

* Math 1342 has been approved by the THECB for inclusion in the core curriculum effective Fall 2016. TAMU-Texarkana will replace Math 2342 with Math 1342 effective Spring 2017.

Texas Southern University

University-Wide Core Math Requirement - 3 hours selected from the following: Math 132, 133, 135, or 136.

Course Guide	
Math 132 Contemporary Mathematics I (Math 1332)	Math 251 Differential Equations
Math 133 College Algebra (Math 1314)	Math 345 Applied Math & Stat. for Tech.
Math 134 Plane Trigonometry (Math 1316)	Math 473 Probability and Statistics
Math 135 Math for Business & Economics I (Math 1324)	Math 474 Probability and Statistics II
Math 136 Precalculus (Math 2312)	Bio 460 Elementary Statistics
Math 138 Math for Business & Economics II (1325)	Engt 433 Alternative Energy Technology
Math 231 Elementary Statistics (Math 1342)	Hscs 437 Statistics
Math 235 Struc. & App. of Numb. Sys	Mgsc 239 Business Statistics I
Math 236 Found., Geom., Stat., Prob.	Mgsc 331 Business Statistics II
Math 241 Calculus 1 (Math 2413)	Psyc 234 Basic Statistics
Math 242 Calculus 2 (Math 2414)	Psyc 236 Advanced Statistics
Math 243 Calculus 3	Soc 354 Sociological Statistics
Math 250 Linear Algebra	

Degree	Major	Math Requirements
Jesse H. Jones School of Business		
B.B.A.	Accounting	Math 135, 138, and Mgsc 239
B.B.A.	Finance	Math 135, 138, Mgsc 239, and 331
B.B.A.	Management	Math 135, 138, Mgsc 239, and 331
B.B.A.	Marketing	Math 135, 138, Mgsc 239, and 331
B.B.A.	Management Information Systems	Math 135, 138, and Mgsc 239
Barbara Jordan-Mickey Leland School of Public Affairs		
B.S.	Administration of Justice	Either Math 132 or 133, and 134 (or higher)
B.S.	Emergency Management and Homeland Security	Either Math 132 or 133, and 134 (or higher)
B.A.	Political Science	Either Math 132 or 133, and 134 (or higher)
B.S.	Public Affairs	Either Math 132 or 133, and 134 (or higher)
College of Education		
B.S.	Health Studies	Math 133
B.S.	Human Performance - Teacher Certification	Math 133
B.S.	Kinesiology	Math 133. Recreation and Leisure Studies concentration also requires Math 135.
B.S.	Interdisciplinary Studies - 4-8 English Language	Math 133
B.S.	Interdisciplinary Studies - 4-8 English Language Arts	Math 133
B.S.	Interdisciplinary Studies - EC-6 Generalist	Math 133, 235, and 236
B.S.	Interdisciplinary Studies - EC-6 Bilingual Generalist	Math 133, 235, and 236
B.S.	Interdisciplinary Studies - 4-8 Social Studies	Math 133
B.S.	Interdisciplinary Studies - 4-8 Math/Science	Math 133, 235, 236, 241, and 250
B.S.	Interdisciplinary Studies - 4-8 Mathematics	Math 133 and beyond. See course catalog p. 220 for details.
B.S.	Interdisciplinary Studies - 4-8 Science	Math 133
B.S.	Interdisciplinary Studies - EC-12 Spec. Ed./EC-6	Math 133, 235, and 236
B.S.	Interdisciplinary Studies - EC-12 Health Studies	Math 133

B.S.	Sport Management	Math 133 and 138
College of Science and Technology		
B.S.	Aviation Science and Technology Aviation Science	Math 133, 136, 241, and Mgsc 239
B.S.	Aviation Science Management - Professional Pilot	Math 133, 134, and 241
B.S.	Biology	Math 133, 136, 241, and Biol 460
B.S.	Chemistry	Math 136, 241, 242, 243, and 251. Pre-Medical and Pre-Dental concentration does not require Math 243 and 251, but does require Biol 460.
B.S.	Civil Engineering	Math 241, 242, 243, 251, and 345
B.S.	Civil Engineering Technology	Math 133, 134, 241, and 242. Technical elective should be selected from one of the following three credit courses: Either Math 345 or 474 or Engt 433.
B.S.	Computer Engineering Technology	Math 133, 241, 242, and 345
B.S.	Computer Science	Math 136, 241, 242, 250, and 473
B.S.	Electrical and Computer Engineering	Math 241, 242, 243, and 251
B.S.	Electronics Engineering Technology	Math 133, 134, 241, 242, and 345
B.S.	Industrial Technology	Math 133 and 138. Design Technology concentration also requires Math 134.
B.S.	Maritime Transportation Management and Security	Math 133 and 231
B.S.	Mathematics	Math 136 and beyond. See course catalog p. 643 for details.
B.S.	Physics	Math 132, 241, 242, 243, and 251
College of Liberal Arts and Behavioral Sciences		
B.S.	Art	Math 132 or 133. Teacher certification requires either Math 133 or 134 or 135.
B.S.	Dietetics	Math 133 and Hscs 437
B.A.	English	Select one of the following: Math 132, 133, 134 or 135. Teacher certification requires either Math 133 or 134 or 135.
B.A.	General Studies	Either Math 132 or 133, and 3 hours from 133 (or higher)
B.A.	History	Either Math 132 or 133
B.S.	Human Services and Consumer Science	Math 133. Child and Family Development concentration also requires Math 134.
B.A.	Music	Only Core Math
B.A.	Psychology	Either Math 133 or 135, Math 138, Psyc 234, and Psyc 236
B.A.	Social Work	Math 132 or 133. Also requires 3 hours of statistics, which can be earned through any department where a three credit lower-level statistics course is offered.
B.A.	Sociology	Math 133, 135, and Soc 354
B.A.	Spanish	Only Core Math
B.A.	Theatre	Either Math 132 or 133
College of Pharmacy and Health Sciences		
B.S.	Clinical Laboratory Science	Math 133
B.S.	Environmental Health	Math 133
B.S.	Health Administration	Math 133, 134, and one of the following statistics courses: Pa 302, Math 231, or Psyc 234.
B.S.	Health Information Management	Math 133, 138, and Mgsc 239
B.S.	Respiratory Therapy	Math 133, 136, and 231
Pharm.D.	Doctor of Pharmacy (6 year program)	Math 136, 231, and 241

School of Communication		
B.A.	Entertainment and the Recording Industry	Math 133
B.A.	Journalism	Math 133
B.A.	Speech Communication	Math 133
B.A.	Radio/Television/Film	Math 133

Texas State University

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1312, 1315, 1316, 1317, 1319, 1329, 2321, 2417, 2471, Hon 2302A, or Hon 2302B.

Course Guide

Math 1312 College Statistics and Algebra (Math 1342)	Math 3348 Deterministic Operations Research
Math 1315 College Algebra (Math 1314)	Math 3373 Calculus III
Math 1316 Contemporary Mathematics (Math 1332)	Math 3375 Engineering Mechanics
Math 1317 Plane Trigonometry (Math 1316)	Math 3377 Linear Algebra
Math 1319 Math for Business & Econ. (Math 1324)	Math 3380 Analysis I
Math 1329 Business Calculus (Math 1325)	Math 3398 Discrete Mathematics II
Math 2311 Principles of Mathematics I (Math 1350)	Math 4305 Probability and Statistics
Math 2312 Informal Geometry (Math 1351)	Math 4306 Fourier Series & Boundary Value Problems
Math 2321 Calculus for Life Sciences I (Math 2313)	Math 4307 Modern Algebra
Math 2328 Elementary Statistics (2342)	Math 4315 Analysis II
Math 2331 Calculus for Life Science II	Math 4336 Studies in Applied Mathematics
Math 2358 Discrete Mathematics I (Math 2305)	Cj 3347 Statistics For Criminal Justice
Math 2417 Precalculus (Math 2412)	Hon 2302A Elementary Number Theory
Math 2471 Calculus I (Math 2413)	Hon 2302B Graph Theory and Applications
Math 2472 Calculus II (Math 2414)	Hp 3302 Biostatistics
Math 3305 Introduction to Probability and Statistics	Hp 3325 Healthcare Statistics
Math 3315 Modern Geometry	Psyc 2301/2101 Introduction to Statistics
Math 3323 Differential Equations	Soci 3307 Statistics for the Behavioral Sciences
Math 3330 Introduction to Advanced Mathematics	Qmst 2333 Business Statistics

Degree	Major	Math Requirements
College of Applied Arts		
B.S.A.G.	Agriculture	Either Math 1315 or 1319
B.S.A.G.	Agriculture - Teacher Certification in Agriculture Science and Technology 6-12	Either Math 1315 or 1319
B.S.A.G.	Agriculture Animal Science - Basic Science and Pre-Veterinary	Math 1315
B.S.A.G.	Agriculture Animal Science - Integrated Ranch and Natural Resource Management	Either Math 1315 or 1319
B.S.A.G.	Agriculture Business and Management - Agribusiness Management	Either Math 1315 or 1319, and either 1329 or 2321 or 2417
B.S.A.G.	Agriculture Business and Management - Agricultural Systems Management	Either Math 1315 or 1319, and either 1329 or 2321 or 2417
B.S.A.G.	Agriculture Business and Management - Horticulture Business	Either Math 1315 or 1319
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.S.C.J.	Criminal Justice	Either Math 1315 or 1316 or 1319, and one statistics class selected from the following: Cj 3347, Math 2328, Soci 3307, or Psy 2301/2101
B.S.C.J.	Criminal Justice - Corrections	Either Math 1315 or 1316 or 1319, and one statistics class selected from the following: Cj 3347, Math 2328, Soci 3307, or Psy 2301/2101
B.S.C.J.	Criminal Justice - Law Enforcement	Either Math 1315 or 1316 or 1319, and one statistics class selected from the following: Cj 3347, Math 2328, Soci 3307, or Psy 2301/2101

B.S.F.C.S.	Family and Consumer Sciences - Consumer Affairs	Either Math 1315 or 1316 or 1319*
B.S.F.C.S.	Family and Consumer Sciences - Dietetics	Either Math 1315 or 1319
B.S.F.C.S.	Family and Consumer Sciences - Family and Child Development	Either Math 1315 or 1316 or 1319*
B.S.F.C.S.	Family and Consumer Sciences - Fashion Merchandising	Either Math 1315 or 1319
B.S.F.C.S.	Family and Consumer Sciences - Interior Design	Either Math 1315 or 1319
B.S.F.C.S.	Family and Consumer Sciences - Nutrition and Foods	Either Math 1315 or 1319
B.S.F.C.S.	Family and Consumer Sciences - Teacher Certification in Hospitality, Nutrition, and Food Science 8-12	Either Math 1315 or 1319
B.S.W.	Social Work	Either Math 1315 or 1319
McCoy College of Business Administration		
B.B.A.	Accounting	Either Math 1315 or 1319, 1329, and Qmst 2333
B.B.A.	Computer Information Systems	Either Math 1315 or 1319, 1329, Qmst 2333, and either Qmst 3334 or 3339
B.A./B.B.A.	Economics	Either Math 1315 or 1319, 1329. B.B.A. also requires Qmst 2333.
B.B.A.	Finance	Either Math 1315 or 1319, 1329, and Qmst 2333
B.B.A.	Management	Either Math 1315 or 1319, 1329, and Qmst 2333
B.B.A.	Marketing	Either Math 1315 or 1319, 1329, and Qmst 2333
College of Education		
B.S.	Athletic Training	Either Math 1315 or 1319**
B.E.S.S.	Exercise and Sports Science	Math 1315. For Teacher Certification, can substitute either Math 1319, 2417, or 2471 for Math 1315.
B.E.S.S.	Health and Fitness Management	Math 1319 **
B.H.W.P.	Health and Wellness Promotion	Math 1315**
B.S.	Interdisciplinary Studies - Bilingual Generalist-Spanish, Grades EC-6	Either Math 1315 or 1319, 2311, and 2312**
B.S.	Interdisciplinary Studies - EC-6 ESL Generalist	Either Math 1315 or 1319, 2311, and 2312**
B.S.	Interdisciplinary Studies - 4-8 Generalist	Math 2417 and beyond. See course catalog for details.
B.S.	Interdisciplinary Studies - 4-8 LA, Reading & Social Studies	Either Math 1315 or 1319**
B.S.	Interdisciplinary Studies - 4-8 Math	Math 2417 and beyond. See course catalog for details.
B.S.	Interdisciplinary Studies - 4-8 Math and Science	Math 2417 and beyond. See course catalog for details.
B.S.	Interdisciplinary Studies - 4-8 Science	Either Math 1315 or 1319, 2321, 2328, and 3315.
B.S.	Interdisciplinary Studies - EC-12 Special Education	Either Math 1315 or 1319, 2311, and 2312**
B.S.R.A.	Recreational Administration	Math 1315**
College of Fine Arts & Communication		
B.S.	Advertising and Mass Communication	Core Math (except Math 1316) and Soci 3307
B.A.	Art	Either Math 1315 or 1316 or 1319
B.A.	Art History	Either Math 1315 or 1316 or 1319
B.F.A.	Communication Design	Either Math 1315 or 1316 or 1319
B.A.	Communication Studies	Only Core Math. For teacher certification select one of the following: Math 1315, 1319, 1329, 2321, 2417, or 2471.
B.F.A.	Dance	Only Core Math. For teacher Certification select one of the following: Math 1315, 1319, 2417 or 2471.
B.S.	Electronic Media and Mass Communication	Core Math (except Math 1316) and Soci 3307
B.S.	Journalism and Mass Communication	Core Math (except Math 1316) and Soci 3307
B.A.	Mass Communication	Core Math and Soci 3307

B.A.	Music	Only Core Math
B.M.	Music Studies	Select one of the following: Math 1315, 1319, 2417 or 2471
B.F.A.	Musical Theatre	Only Core Math
B.M.	Performance (All options)	Only Core Math
B.F.A.	Photography	Either Math 1315 or 1316 or 1319
B.S.	Public Relations and Mass Communication	Core Math (except Math 1316) and Soci 3307
B.S.	Sound Recording Technology	Math 2417
B.F.A.	Studio Art	Either Math 1315 or 1316 or 1319. Teacher Certification requires Math 1315.
B.A./B.F.A.	Theatre	Only Core Math. For Teacher Certification select one of the following: Math 1315, 1319, 2417, or 2471.
College of Health Professions		
B.S.C.L.S.	Clinical Laboratory Science	Select one of the following: Math 1315, 1319, 1329, 2321, 2331, 2417, or 2471. And one of the following statistics courses: Math 2328, Hp 3302, Soci 3307, Qmst 2333, Cj 3347, or Psy 2301.
B.S.C.D.	Communication Disorders	Select one of the following: Math 1315, 1319, 2417, or 2471. And one of the following statistics courses: Hp 3302, Soci 3307, Cj 3347, or Psy 2301.
B.S.H.I.M.	Health Information Management	Select one of the following: Math 1315, 1319, 1329, 2417, or 2471. And one of the following statistics courses: Math 2328, Hp 3302, Hp 3325, Soci 3307, Qmst 2333, Cj 3347, or Psy 2301.
B.H.A.	Healthcare Administration	Select one of the following: Math 1315, 1319, 1329, 2417, or 2471. And one of the following statistics courses: Math 2328, Hp 3302, Hp 3325, Soci 3307, Cj 3347, or Psy 2301.
B.S.N.	Nursing	Either Math 1315 or 1319 or 1329
B.S.R.T.	Radiation Therapy	Either Math 2417 or 2471, and one of the following: Hp 3302, Psy 2301, Soci 3307, Math 2328, or Cj 3347
B.S.R.C.	Respiratory Care	Select one of the following: Math 1315, 1319, 1329, 2417, or 2471. And one of the following statistics courses: Math 2328, Hp 3302, Hp 3325, Soci 3307, Cj 3347, or Psy 2301.
College of Liberal Arts		
B.A./B.S.	Anthropology	Only Core Math (except Hon 2302A & B). B.S. also requires a statistics course from the following: Cj 3347, Geo 3301, Psy 2301, or Soci 3307.
B.S.	Applied Sociology	Math 1312 or above, Soci 3307, and 3318
B.A.	English (all options)	Math 1315 or above
B.A.	French	Math 1312 or above
B.A./B.S.	Geography	Math 1315 or above (except Math 1316)
B.S.	Geographic Information Science	6 hours of Core Math 1315 or above (except Math 1316)
B.S.	Geography Resource and Environmental Studies	Math 1315 or above (except Math 1316)
B.S.	Geography Urban and Regional Planning	Math 1315 or above (except Math 1316)
B.S.	Geography Water Resources	Math 1315 or above (except Math 1316)
B.A.	German	Math 1312 or above
B.A.	History	Math 1312 or above. Teacher Certification requires Math 1315 or above (except Math 1316).
B.S.	International Relations	Math 1315
B.A.I.S.	International Studies (All Options)	Math 1315
B.A.	Philosophy	Math 1312 or above
B.S.	Physical Geography	Math 1315 or above (except Math 1316)
B.A.	Political Science	Math 1315 or above. Teacher Certification does not allow Math 1316 to satisfy Core Math.
B.A./B.S.	Psychology	Math 1312 or above, and Psy 2101/2301
B.P.A.	Public Administration	Math 1315 or above (except Math 1316)
B.A.	Sociology	Math 1312 or above, Soci 3307, and 3318
B.A.	Spanish	Math 1312 or above
College of Science and Engineering		
B.S.	Applied Mathematics	Math 2471 and beyond. See course catalog for details.

B.S.	Aquatic Biology	Select one of the following sequences: Math 2321 and 2328; or 2321 and 2331; or 2471 and 2472
B.S.	Biochemistry	Math 2471 and 2472
B.S.	Biology	Select one of the following sequences: Math 2321 and 2328; or 2321 and 2331; or 2471 and 2472
B.S.	Chemistry	Math 2471 and 2472
B.A.	Computer Science	Math 2358, 3398, and one of the following: 1317, 1319, 1329, 2321, 2417, or 2471. Teacher Certification requires one of the following: 1317, 1319, 1329, or 2312.**
B.S.	Computer Science	Math 2471, 2472, 2358, 3305, and 3398
B.S.T.	Concrete Industry Management	Math 2417, 2321, and 2328
B.S.	Construction Science and Management	Math 2417 and 2328
B.S.	Electrical Engineering - Computer Engineering	Math 2471, 2472, 2358, 3323, 3373, and 3377
B.S.	Electrical Engineering - Micro/Nano Devices & Sys.	Math 2471, 2472, 3323, 3373, and 3377
B.S.	Electrical Engineering - Networks & Comm. Sys.	Math 2471, 2472, 3323, 3373, and 3377
B.S.T.	Engineering Technology	Math 2471 and 2472
B.S.	Industrial Engineering	Math 2471, 2472, 3323, 3373, and 3377
B.S.	Industrial Engineering - General Manufacturing	Math 2471, 2472, 3323, and 3377
B.S.	Industrial Engineering - Mechanical Systems	Math 2471, 2472, 3323, and 3377
B.S.	Industrial Engineering - Semiconductor Manufacturin	Math 2471, 2472, 3323, and 3377
B.S.	Interdisciplinary Science - Science K-12	Math 2471 and 2472
B.A./B.S.	Mathematics	Math 2471 and beyond. See catalog for details.
B.S.	Manufacturing Engineering	Math 2471, 2472, 3323, and 3377
B.S.	Microbiology	Select one of the following sequences: Math 2321 and 2328; or Math 2321 and 2331; or Math 2471 and 2472
B.A./B.S.	Physics	Math 2471, 2472, 3323, and 3373. Teacher certification in Math/Physics (K-12) also requires Math 3303, 3305, 3315, and 4304.
B.S.	Technology Management	Math 1315 and 2328
B.S.	Wildlife Biology	Math 2321 and 2328
University College		
B.G.S.	General Studies	Only Core Math

*Math 1316 is not accepted as a prerequisite for some minors.

** Math 2417 (or 2471) can substitute for 1315 (or 1319) requirement. Math 2417 or Math 2471 may substitute for the Math 1317, Math 1319, Math 1329, or Math 2321 requirement.

Texas Tech University

University-Wide Core Math Requirement - 3 hours of mathematics selected from the following: Math 1300, 1320, 1321, 1330, 1331, 1350, 1420, 1430, 1451, 1550, 2300, 2345, 2370, or 2371. Also 3 hours from any of the previous math courses or from one of the following: Aaec 2401, Phil 2310, or Psy 2400.*

Course Guide

Math 1300 Contemporary Mathematics (Math 1332)	Math 2450 Calculus III
Math 1320 College Algebra (Math 1314)	Math 3342 Math Statistics for Engineering and Science
Math 1321 Trigonometry (Math 1316)	Math 3350 High Math for Eng. and Sci. I
Math 1330 Intro Math Analysis I (Math 1324)	Math 3351 High Math for Eng. And Sci. II
Math 1331 Intro Math Analysis II (1325)	Math 3354 Differential Equations I
Math 1350 Analytical Geometry (Math 1348)	Math 3370 Elementary Geometry
Math 1420 College Algebra With Review (Math 1414)	Math 4342/4343 Mathematical Statistics
Math 1430 Introductory Math Analysis With Review	Math 4354 Differential Equations II
Math 1451 Calculus I (Math 2413)	Aaec 2401 Agricultural Statistics
Math 1452 Calculus II (Math 2414)	Aaec 4302 Statistical Methods in Agricultural Research***
Math 1550 Precalculus	IE 3341 Research Methods/Engineering Statistics
Math 2300 Statistical Methods (Math 1342)	Phil 2310 Logic
Math 2345 Intro to Statistics with Business	Psy 2400 Statistical Methods
Math 2360 Linear Algebra	Psy 3401 Research Methods
Math 2370/2371 Elementary Analysis I & II (Math 1350)	Soci 3391 Introduction to Social Research I

Degree	Major	Math Requirements
College of Agricultural Sciences and Natural Resources		
B.S.	Agribusiness	Math 1330, 1331, and Aaec 2401
B.S./B.B.A.	Agriculture and Applied Economics	Math 1330, 1331, and Aaec 2401. B.B.A. also requires Aaec 4302.***
B.S.	Agricultural Communications	Math 1320 and 2300
B.S.	Interdisciplinary Agriculture	Math 1320 and 2300
B.S.	Animal Science - Science	Math 1321 and 2300
B.S.	Animal Science - Business	Math 1330 and 2300
B.S.	Animal Science - Equine Assisted Therapy	Math 1320 and 2300
B.S.	Animal Science - Equine Production	Math 1320 and 2300
B.S.	Animal Science - Equine Science	Math 1320 and 2300
B.S.	Animal Science - Meat Science/Business	Math 1320 and 2300
B.S.	Animal Science - Meat Science	Math 1320 and 2300
B.S.	Animal Science - Production	Math 1320 and either 1321 or 2300
B.S.	Conservation Law Enforcement	Only upper level program. Students must complete an Associates of Arts in Criminal Justice from an approved institution.
B.S.	Food Science	Math 1330, 1331, and 2300. Math 1320 and 1321 can replace Math 1330 and 1331 for the Industry emphasis.**
B.L.A.	Landscape Architecture	Math 1320 and 1321
B.S.	Natural Resource Management	Either Math 1330 or 1550, and either 1331 or 1451. Ranch management track requires Math 1330 and 1331.
B.S.	Plant and Soil Science	Either Math 1320 or 1330, and either 1321 or 1331. Horticulture specialization requires Math 1320 and 1330.
College of Architecture		
B.S.	Architecture	Math 1321 and 1350
B.S./B.S.	Architecture/Civil Engineering	Math 1451, 1452, 2450, 3350, and either 3342 or IE 3341
B.S./B.B.A.	Architecture/General Business	Math 1321, 1350, and 2345
College of Arts and Sciences		
B.A.	Anthropology	Math 1330 and either 2300 or 2345
B.A./B.S.	Biochemistry	Math 1451 and 1452
B.S.	Biology	Either Math 2300 or 1451

B.S.	Cell and Molecular Biology	Math 1451
B.A./B.S.	Chemistry	Math 1451 and 1452. B.S. requires Math 2450 and 9 additional hours of Math.
B.A.	Economics	Core Math and either Math 2300 or 2345
B.S.	Economics	Math 1451, 1452, 2450, 2360, 4342, 4343, and 6 hours of Math electives
B.A.	English	Only Core Math
B.G.S.	General Studies	Only Core Math
B.A.	Geography	Math 1330 and either 2300 or 2345
B.S.	Geosciences - Geology	Math 1451 and 1452
B.A.	Geosciences - Geology w/minor in Geography	Math 1321
B.S.	Geosciences - Geophysics	Math 1451, 1452, 2450, 2360, 3350, and 3 hours of Math electives
B.A.	Global Studies	Only Core Math
B.A.	History	Only Core Math
B.S.I.E.	International Economics	Math 1330 (or higher), 1331 (or higher), and either 2300 or 2345
B.S.	Kinesiology	Math 1320 and either 2310 or Phil 2310
B.A.	Languages and Cultures	Only Core Math. Applies for concentrations in Classics, French, German, Russian, and Spanish.
B.A./B.S.	Mathematics	Math 1451 and beyond. See course catalog p. 253 for details.
B.S.	Microbiology	Either Math 1451 or 2300
B.A.	Philosophy	3 hours of Core Math and Phil 2310
B.S.	Physics	Math 1451, 1452, 2450, 3350, and 3351. Math 3354 and 4354 may substitute for 3350 and 3351.
B.A.	Political Science	Only Core Math
B.A.	Psychology	Either Math 1300 or 1320, and Psyc 2400
B.A.	Social Work	3 hours of Core Math and 2300. Soci 3391 or Psy 2400 will be accepted in lieu of Math 2300 for degree requirement; of these courses, only Math 2300 and Psy 2400 also provide mathematics credit in the General Degree Requirements for the College of Arts and Sciences.
B.A.	Sociology	Only Core Math
B.A.	Spanish	Only Core Math
B.S.	Sport Management	Math 1320 and either 2310 or Phil 2310
B.A.	Technical Communication	Only Core Math
B.S.	Zoology	Either Math 1451 or 2300
Jerry S. Rawls College of Business		
B.B.A.	Accounting	Math 1330, 1331, and 2345
B.B.A.	Energy Commerce	Math 1330, 1331, and 2345
B.B.A.	Finance	Math 1330, 1331, and 2345
B.B.A.	General Business	Math 1330, 1331, and 2345
B.B.A.	Information Technology	Math 1330, 1331, and 2345
B.B.A.	Management	Math 1330, 1331, and 2345
B.B.A.	Marketing	Math 1330, 1331, and 2345
B.B.A.	Supply Chain Management	Math 1330, 1331, and 2345. The implementation of this degree is pending SACSCOC approval.
College of Education		
B.S.	Multidisciplinary Science	Math 1321 and 2300
B.S.	Multidisciplinary Studies - Bilingual Education	Math 1320, 2370, and 3370
B.S.	Multidisciplinary Studies - Biology	Math 1321 and 2300
B.S.	Multidisciplinary Studies - EC-6 Bilingual Education	Math 1320, 2370, and 3370
B.S.	Multidisciplinary Studies - EC-6 ESL	Math 1320, 2370, and 3370
B.S.	Multidisciplinary Studies - EC-6 Math and Science	Math 1320 and beyond. See course catalog for details.
B.S.	Multidisciplinary Studies - EC-6 Special Education	Math 1320, 2370, and 3370
B.S.	Multidisciplinary Studies - 4-8 ELA and Social Studies	Math 1320, 2370, and 3370
B.S.	Multidisciplinary Studies - 4-8 Math and Science	Math 1320 and beyond. See course catalog for details.

Whitacre College of Engineering		
B.S.	Chemical Engineering	Math 1451, 1452, 2450, and 3350
B.S.	Civil Engineering	Math 1451, 1452, 2450, 3350, and either Math 3342 or IE 3341
B.S.	Computer Engineering	Math 1451, 1452, 2450, 3350, and either Math 3342 or IE 3341
B.S.	Computer Science	Math 1451, 1452, 2450, 2360, and 3342
B.S.	Construction Engineering	Math 1451, 1452, 2450, 3342, and 3350
B.S.	Electrical Engineering	Math 1451, 1452, 2450, 3350, 3351, and either 3342 or IE 3341
B.S.	Industrial Engineering	Math 1451, 1452, 2450, 2360, 3342, and 3350
B.S.	Mechanical Engineering	Math 1451, 1452, 2450, 3342, and 3350
B.S.	Petroleum Engineering	Math 1451, 1452, 2450, 3350, and either 3342 or IE 3341
Honors College		
B.A.	Honors Arts and Letters	Only Core Math. Math 2300 and Phil 2310 are recommended.
College of Human Sciences		
B.S.	Apparel Design and Manufacturing	Only Core Math
B.S.	Community, Family and Addiction Services	Core Math and either 2300 or 3 hours of Statistical Methods
B.S.	Early Childhood Teacher Certification	Math 1320, 2370, and 3370
B.S.	Family and Consumer Sciences	Only Core Math
B.S.	Human Development and Family Studies	Core Math and either 2300 or Soci 3391 or Psy 3400. Teacher Certification does not include statistics requirement.
B.S.	Human Sciences	Only Core Math
B.I.D.	Interior Design	Only Core Math
B.S.	Nutrition	Core Math and Math 2300
B.S.	Nutritional Sciences and Dietetics	Core Math and Math 2300
B.S.	Personal Financial Planning	Math 1330, 1331, and 2345
B.A.A.S./B.S.	Restaurant, Hotel, and Institutional Management	Only Core Math
B.S.	Retail Management	Only Core Math
College of Media and Communication		
B.A.	Advertising	Either Math 1300 or 1320, and either 2300 or 2345
B.A.	Communication Studies	Core Math and either 2300 or 2345
B.A.	Electronic Media and Communications	Either Math 1320 or 1330, and either 1331 or 2300 or 2345
B.A.	Journalism	Either Math 1320 or 1330, and either 1331 or 2300 or 2345
B.A.	Media Strategies	Either Math 1320 or 1330, and either 1331 or 2300 or 2345
B.A.	Public Relations	Either Math 1320 or 1330, and either 1331 or 2300 or 2345
Office of the Provost		
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.A./B.S.	University Studies	Only Core Math
B.S.	Wind Energy	Math 1321 and 1550
College of Visual and Performing Arts		
B.A./B.F.A.	Art	Only Core Math
B.A.	Dance	Only Core Math
B.G.S.	General Studies	Only Core Math
B.A./B.M.	Music	Only Core Math
B.A./B.F.A.	Theatre Arts	Only Core Math

*Cannot receive credit for both Math 1320 and 1420, or for Math 1330 and 1430. Students may use only one Math 2300, Math 2345, Aaec 2401, or Psy 2400 to satisfy the mathematics and logic requirements.

**Math 1451 may be substituted for Math 1330, Math 1452 may be substituted for Math 1331, and Aaec 3401 may be substituted for Math 2300.

***Aaec 4302 has a prerequisite of either Math 2300 or 2345.

Texas Woman's University

University-Wide Core Math Requirement - 3 hours from Math 1013, 1023, 1303, 1313, 1703, 1713*, or 2014.

Course Guide

Math 1013 Financial and Quant. Literacy (Math 1332)	Math 2024 Calculus II (Math 2314/2414)
Math 1023 Introduction to Math II (Math 1333)	Math 2203 Business Analysis I (Math 1324)
Math 1303 Elementary Analysis I (Math 1314)	Math 3013 Discrete Mathematics
Math 1313 Elementary Analysis II (Math 1316)	Math 3073 Matrix Methods
Math 1523 Math Concepts I	Math 4003 Math Concepts in Educ
Math 1533 Math Concepts II (Math 1350)	Math 4013 Probability and Statistics
Math 1543 Math Concepts III (Math 1351)	Math 4203 Prob Solv in Mathematics Classroom
Math 1703 Elementary Statistics I (Math 1342/1442)	Psy 2303 Applied Statistics (Psyc 2317)
Math 1713 Elementary Statistics II*	Soci 3163 Social Statistics
Math 2014 Calculus I (Math 2413/2313)	

Degree		Major	Math Requirements
College of Arts and Sciences			
B.A.	Art		Only Core Math
B.F.A.	Art		Only Core Math
B.S.	Biochemistry		Math 2014 and 2024. Pre-health concentration can substitute Math 4013 for 2024.
B.S.	Biology		Math 1303, 1313, and either 1703 or 2014. Composite Science and Life Science (7-12) Certifications require only Math 1303 and 1313.
B.S.	Chemistry		Math 2014 and 2024
B.S.	Chemistry/Biochemistry - Teacher Cert.		Math 2014. Physical Science (6-12) Teacher Certification also requires Math 2024.
B.S.	Computer Science		Math 2014, 3013, and either 3073 or 4013
	Computer Science - 7-12 Teacher Cert.		Math 1313 and either 3073 or 4013
B.S.	Criminal Justice		Core Math and Soci 3163
B.A.	Dance		Only Core Math
B.A.	Drama		Only Core Math. Teacher Certification requires Math 1013.
B.A.	English		Only Core Math
B.A.	Fashion Design		Select 6 hours from the following: Math 1013, 1303, or 1703
B.A./B.S.	Fashion Design and Fashion Merchandising		Select 6 hours from the following: Math 1013, 1303, 1703, or 2203
B.A./B.B.A.	Fashion Design and General Business (Entrepreneurship)		Math 1703, 2203, and either 1013 or 1713
B.A./B.B.A.	Fashion Design and Marketing		Math 1703, 2203, and either 1013 or 1713
B.S./B.B.A.	Fashion Merchandising and General Business (Entrepreneurship Emphasis)		Math 1703, 2203, and and one of the following: Math 1013, 1303 or 1713

B.S.	Fashion Merchandising (Management Emphasis)	Math 1703, 2203, and and one of the following: Math 1013, 1303 or 1713
B.S.	Fashion Merchandising (Planning Emphasis)	Math 1703, 2203, and either 1013 or 1713
B.S./B.B.A.	Fashion Merchandising and Marketing	Math 1713, 2203, and either 1013 or 1703
B.S./B.B.A.	Fashion Merchandising and Management	Math 1713, 2203, and either 1013 or 1703
B.G.S.	General Studies	Only Core Math
B.A./B.S.	Government	Only Core Math
B.S.	Health Informatics	Math 1013 (recommended), 1703 (recommended), and 1713
B.A./B.S.	History	Only Core Math
B.S.	Informatics	Math 1013 (recommended), 1703 (recommended), and 1713
B.S.	Mathematics	Math 2014 and beyond. For teacher certifications Math 1303 and beyond. See course catalog for details.
B.S.	Medical Technology	Math 1303 and 1313
B.A.	Music	Only Core Math
B.S.	Music Therapy	Math 1703
B.S.	Psychology	Math 1703 and Psy 2303
B.S.	Sociology	Core Math and Soci 3163
B.S.W.	Social Work	Math 1703 and 1713
College of Professional Education		
B.S.	Child Development	Math 1013. Pre-Occupational Therapy program requires Math 1703 instead of 1013. Pre-Physical Therapy requires Math 1303 instead of 1013.
B.S.	Family and Consumer Sciences	Math 1013
B.S.	Family Studies	Math 1013. Pre-Occupational Therapy program requires Math 1703.
B.S.	Interdisciplinary Studies - EC-6 Bilingual Generalist	Math 1023, 1523, 1533, and 1543
B.S.	Interdisciplinary Studies - EC-6 ESL Generalist	Math 1023, 1523, 1533, and 1543
B.S.	Interdisciplinary Studies - EC-6 Generalist	Math 1023, 1523, 1533, and 1543
B.S.	Interdisciplinary Studies - EC-6 Special Ed.	Math 1023, 1523, 1533, and 1543
B.S.	Interdisciplinary Studies - 4-8 Bilingual Generalist	Math 1303, 1533, 1543, and 4003
B.S.	Interdisciplinary Studies - 4-8 English, Language Arts and Reading	Math 1303, 1533, and 1543
B.S.	Interdisciplinary Studies - 4-8 ESL Generalist	Math 1303, 1533, 1543, and 4003
B.S.	Interdisciplinary Studies - 4-8 Generalist	Math 1303, 1533, 1543, 4003, and 4203
B.S.	Interdisciplinary Studies 4-8 Generalist Special Education	Math 1303, 1533 1543, and 4003
College of Health Sciences		

B.S.	Communication Sciences	Only Core Math. Speech, Language, and Pathology Track requires Math 1703.
B.A.S.	Culinary Science and Food Service Manag.	Only Core Math
B.S.	Dental Hygiene	Math 1703
B.S.	Food and Nutrition in Business and Industry	Only Core Math
B.S.	Health Studies	Math 1703
B.A.S.	Health Studies	Math 1703
B.S.	Kinesiology	Math 1703. Exercise Science and Pre-Physical Therapy Programs also requires Math 1303 and 1313.
B.S.	Nutrition	Math 1703 and either Math 1013 or 1023 or 1303. Nutritional Sciences emphasis requires Math 1013, 1303, 1313, and 1703. Wellness emphasis requires a Core Math and Math 1703.
College of Nursing		
B.S.	Nursing	Math 1703
School of Management		
B.B.A.	Accounting	Math 1703, 1733, and 2203
B.A.S.	Business	Only Core Math
B.B.A.	Business Administration	Math 1703, 1713, and 2203
B.B.A.	Finance	Math 1703, 1713, and 2203
B.B.A.	Human Resource Management	Math 1703, 1713, and 2203
B.B.A.	Management	Math 1703, 1713, and 2203
B.B.A.	Marketing	Math 1703, 1713, and 2203

University of Houston Clear Lake

University-Wide Math Core Requirements - 3 hours selected from the following: Math 1314, 1324, 1325, 1332, 1342, 1350, 2412, or 2413.

Course Guide

Math 1314 College Algebra	Math 2315 Calculus III
Math 1324 Finite Math	Math 2320 Differential Equations
Math 1325 Business Calculus	Math 3304 Algebra Through Technology
Math 1332 Mathematics for Liberal Arts	Math 3306 Problem Solving
Math 1342 Elementary Statistical Methods	Crim 4384 Statistics
Math 1350 Fundamentals of Mathematics	Dsci 3321 Statistics I
Math 1351 Fundamentals of Math II	Geog 4321 Fundamentals of Geographic Information Systems
Math 2305 Discrete Mathematics	Psyc 4370 Behavioral Statistics
Math 2318 Linear Algebra	Soci 4384 Statistics
Math 2320 Differential Equations	Stat 3308 Computational Statistics*
Math 2412 Pre-calculus	Stat 3334 Probability & Statistics for Sci. & Eng.
Math 2413 Calculus I	Swrk 4370 Behavioral Statistics
Math 2414 Calculus II	

Degree		Major	Math Requirements
School of Business			
B.S.		Accounting	Math 1324, 1325, and Dsci 3321
B.S.		Environmental Management	Math 1324, 1325, and either Dsci 3321 or Stat 3308. May substitute Math 1324 with Math 2412, 2413, or a Math course approved by the faculty coordinator.
B.S.		Finance	Math 1324, 1325, and Dsci 3321
B.S.		General Business	Math 1324, 1325, and Dsci 3321
B.S.		Healthcare Administration	Math 1324, 1325, and Dsci 3321
B.A.S.		Healthcare Services	Math 1324, 1325, Dsci 3321, and Psyc 4370
B.S.		Legal Studies	Math 1324, 1325, and Dsci 3321, and any 3-hour Math elective course. May replace Math 1324 with 3 hours of foreign language or English beyond the core curriculum requirements.
B.S.		Management	Math 1324, 1325, and Dsci 3321
B.S.		Management Information Systems	Math 1324, 1325, and Dsci 3321
B.S.		Marketing	Math 1324, 1325, and Dsci 3321
School of Education			
B.A.S.		Early Childhood Education	Only Core Math
B.S.		Interdisciplinary Studies - EC-6 Bilingual	Math 1314, 1350, and 1351
B.S.		Interdisciplinary Studies - EC-6 ESL	Math 1314, 1350, and 1351

B.S.	Interdisciplinary Studies - EC-6 Generalist	Math 1314, 1350, and 1351. Reading concentration also requires Math 3306.
B.S.	Interdisciplinary Studies - EC-6 & SPED EC-12	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - 4-8 Generalist	Math 1314, 1350, 1351, 3304, and 3306. ESL track does not require Math 3306.
B.S.	Interdisciplinary Studies - 4-8 Science	Math 2412, 1350, and 1351
B.S.	Interdisciplinary Studies - 4-8 Social Studies	Math 1314, 1350, and 1351
B.S.	Interdisciplinary Studies - 4-8 Language Arts	Math 1314, 1332, 1350, and 1351
B.S.	Interdisciplinary Studies - 4-8 Math	Math 2413 and beyond. See course catalog for details.
School of Human Sciences and Humanities		
B.S.	Anthropology	Either Math 1314 or 1332, and one of the following: Geog 4321, Psys 4370, or Soci 4383
B.F.A.	Arts and Design	Either Math 1314 or 1332 or 1342
B.S.	Behavioral Sciences	Either Math 1314 or 1332, and one of the following: Psys 4370, Soci 4383, or Crim 4384
B.A.	Communication	Either Math 1314 or 1332 or 1342
B.S.	Criminology	Either Math 1314 or 1332, and Crim 4384
B.S.	Fitness and Human Performance	Either Math 1314 or 1332. Exercise Science, Health Promotion, Pre-Physical Therapy and Pre-Occupational Therapy Concentrations require Psys 4370.
B.S.	Geography	Either Math 1314 or 1332, and Soci 4384
B.A.	History	Either Math 1314 or 1332 or 1342
B.A.	Humanities	Either Math 1314 or 1332 or 1342
B.A.	Literature	Either Math 1314 or 1332 or 1342
B.S.N.	Nursing	Either Math 1314 or 1332 or 1342, and Psys 4370
B.S.	Psychology	Either Math 1314 or 1332, and Psys 4370
B.S.W.	Social Work	Either Math 1314 or 1332, and Swrk 4370
B.S.	Sociology	Either Math 1314 or 1332, and Soci 4384
BA	Women's Studies	Either Math 1314 or 1332
B.S.	Public Service Leadership	Either Math 1314 or 1332, and Psys 4370
School of Science and Computer Engineering		
B.A.	Biological Sciences	Core Math and Stat 3308*
B.S.	Biological Sciences	Math 2413 and Stat 3308
B.A.	Chemistry	Math 2413
B.S.	Chemistry	Math 2413 and 2414
B.S.	Computer Information Systems	Math 1325, 2305, and Stat 3308
B.S.	Computer Science	Math 2305, 2318, 2413, 2414, 2320, and Stat 3334
B.S.	Computer Engineering	Math 2413, 2414, 2315, 2318, 2305, 2320, and Stat 3334
B.S.	Environmental Science	Math 2413 and Stat 3308
B.A.S.	Information Technology	Core Math and either Math 1342 or Stat 3308*
B.A./B.S.	Mathematical Sciences	Math 2413 and beyond. See course catalog for details.
B.S.	Physics	Math 2413, 2414, and 2315

*Math 1314 or equivalent is a prerequisite for Stat 3308.

University of Houston Downtown

University-Wide Core Math Requirement - 3 hours from the following: Math 1301, Math 1310, Stat 1312, or any course for which one of these is a prerequisite.

Course Guide

Math 1301 College Algebra (Math 1314)	Math 3321 Math Concepts
Math 1305 Finite Math with Applications (Math 1324)	Math 3322 Math Concepts II
Math 1306 Fund. of Calculus w/ Apps (Math 1325)	Cj 3320 Statistics in Criminal Justice*
Math 1310 College Math for Liberal Arts (Math 1332)	Cs 1408 Intro to Computer Sci. w/ Visual Basic
Math 1404 Precalculus Mathematics (Math 2412)	Cs 1410 CS I-Intro to Computer Science w/ C++
Math 1505 Precalculus with Trigonometry	Engr 2411 Modern Methods of Engineering Analysis
Math 2401 Calculus I (Math 2413)	Psy 3321 Behavioral Statistics
Math 2402 Calculus II (Math 2414)	Socw 3351 Statistical and Qualitative Data Analysis
Math 2403 Calculus III (Math 2415)	Sos 3312 Statistics in the Social Sciences
Math 2405 Discrete Mathematics (Math 2405)	Sos 3312 Statistics in the Social Sciences
Math 2407 Linear Algebra	Stat 1312 Statistical Literacy (Math 1342)
Math 2411 Calculus I for Life Science	Stat 3309 Statistical Analysis for Business Applications
Math 2412 Calculus II for Life Science	Stat 3311 Statistical Analysis for Natural Science
Math 3302 Probability and Statistics	

Degree		Major	Math Requirements
University College			
B.A.A.S.	Applied Administration		Either Math 1301 or 1310 or Stat 1312 (Math 1310 recommended). Engineering Technology concentration recommends Math 1301.
B.S.I.S.	Interdisciplinary Studies		Either Math 1301 or 1310 or Stat 1312
College of Business			
B.B.A.	Accounting		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
B.B.A.	Enterprise Information Systems		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
B.B.A.	Finance		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
B.B.A.	General Business		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
B.B.A.	Insurance & Risk Management		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
B.B.A.	International Business		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
B.B.A.	Management		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
B.B.A.	Management Information Systems		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
B.B.A.	Marketing		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
B.B.A.	Supply Chain Management		Core Math (Math 1301 recommended), 1305, 1306, and Stat 3309
College of Humanities and Social Sciences			
B.A.	Communication Studies		Either Math 1301 or 1310 or Stat 1312
B.A.	English		Either Math 1301 or 1310 or Stat 1312
B.A.	Fine Arts		Either Math 1301 or 1310 or Stat 1312
B.S.	Health and Behavioral Science		Either Math 1301 or 1310 or Stat 1312
B.A.	History		Either Math 1301 or 1310 or Stat 1312

B.A.	Humanities	Either Math 1301 or 1310 or Stat 1312
B.A.	Philosophy	Either Math 1301 or 1310 or Stat 1312
B.A./B.S.	Social Sciences	Either Math 1301 or 1310 or Stat 1312 (Stat 1312 recommended), and Sos 3312
B.A.	Spanish	Either Math 1301 or 1310 or Stat 1312
B.S.	Political Science	Either Math 1301 or 1310 or Stat 1312
B.S.	Professional Writing	Either Math 1301 or 1310 or Stat 1312
B.S.	Psychology	Either Math 1301 or 1310 or Stat 1312, and either Psy 3321 or Sos 3312
B.S.	Sociology	Either Math 1301 or 1310 or Stat 1312, and Sos 3312
College of Public Service		
B.A.	Interdisciplinary Studies (Teacher Certification)	Math 1301, 3321, and 3322
B.A.A.S./ B.S.C.J.	Criminal Justice	Either Math 1301 or 1310 or Stat 1312. For B.S.C.J., CJ 3320 is required.*
B.S.W.	Social Work	Either Math 1301 or 1310, and Socw 3351
College of Sciences and Technology		
B.S.	Applied Statistics	Math 2401 and beyond. See catalog p. 178 for details.
B.S.	Applied Statistics - Biostatistics	Math 2401 and beyond. See catalog p. 179 for details.
B.S.	Applied Statistics - Teacher Certification	Math 2401 and beyond. See catalog p. 181 for details.
B.S.	Biological and Physical Sciences	Math 1404
B.S.	Biology	Either Math 2401 or 2411, and either Math 2412 or Cs 1408 or 1410, and Stat 3311
B.S.	Biology - Environmental Biosciences	Either Math 2401 or 2411, and either Math 2412 or Cs 1408 or 1410, and Stat 3311
B.S.	Biology - Microbiology	Either Math 2401 or 2411, and either Math 2412 or CS 1408 or 1410, and Stat 3311
B.S.	Biology - Molecular and Cellular Biosciences	Either Math 2401 or 2411, and either Math 2412 or CS 1408 or 1410, and Stat 3311
B.S.	Biotechnology	Either Math 2401 or 2411, and either Math 2412 or Cs 1408 or 1410, and Stat 3311
B.S.	Chemistry	Math 2401, 2402, and 2403
B.S.	Chemistry - Biochemistry	Math 2411, 2412, and Stat 3311
B.S.	Chemistry - Environmental Chemistry	Either Math 2401 or 2411, and either 2402 or 2412
B.S.	Chemistry - Forensic Sciences	Either Math 2401 or 2411, and 2412
B.S.	Chemistry - Industrial Chemistry	Either Math 2401 or 2411, 2412, and Stat 3311
B.S.	Computer Science	Math 2401, 2402, 2405, 2407, and either Math 3302 or Stat 3311
B.S.E.T.	Engineering Technology - Control &	Math 2401 and either Math 2402 or Engr 2411
B.S.E.T.	Engineering Technology - Structural Analysis &	Math 2401
B.S.	Geoscience - Geochemistry	Either Math 2401 or 2411, and either 2402 or 2412, and Stat 3311
B.S.	Geoscience - Environmental Geology	Either Math 2401 or 2411, and either 2402 or 2412, and Stat 3311
B.S.	Geoscience - Petroleum Geotechnology	Either Math 2401 or 2411, and either 2402 or 2412, and Stat 3311
B.A./B.S.	Mathematics	Math 2401 and beyond. See catalog p. 174 for details.
B.A.A.S.	Safety Management	Math 1301

* Math 1301 or 1310 is a prerequisite for Cj 3320.

University of Houston Main Campus

University-Wide Core Math Requirement - 3 hours of mathematics and 3 hours of mathematics/reasoning. Mathematics: 3 hours from Math 1310, 1311, 1312, 1313, 1314, 1330, 1431, 1450, 2311*. Math/Reasoning: 3 hours from Cosc 1306, Cuin 2320, Econ 2370, Elet 2300, Phil 1321, Pols 3312, Pols 3316, Psyc 3301, Tmth 3360.

Course Guide

Math 1310 College Algebra (Math 1314)	Math 3336 Discrete Mathematics
Math 1311 Elementary Mathematical Modeling (Math 1332)	Math 3338 Probability
Math 1312 Intro to Mathematical Reasoning	Math 3339 Statistics for the Sciences
Math 1313 Finite Mathematics (Math 1324)	Biol 4309 Mathematical Biology
Math 1314 Business Calculus (Math 1325)	Biol 4310 Biostatistics
Math 1330 Precalculus (Math 2312 & 2412)	Cosc 1306 Computer Science and Programming
Math 1431/1432 Calculus I-II (Math 2413/2414)	Cosc 3336 Computing Structures
Math 1450 Accelerated Calculus	Cuin 2320 Mathematics for Ec-6 Teachers
Math 1451 Accelerated Calculus	Eled 4314/ 4315 Mathematics in the Elem. School I & II
Math 2303 Concepts in Algebra	Econ 2370 Intro to Statistics and Data Analysis
Math 2311 Intro to Prob/Statistics (Math 1342)	Elet 2300 Introduction to C++ Programming
Math 2331 Linear Algebra (Math 2418)	Phil 1321 Logic I
Math 2433 Calculus III (Math 2415)	Pols 3312 Introduction to Research Methods
Math 3303 Elements of Algebra and Number Theory	Pols 3316 Statistics for Political Scientists
Math 3304 Elements of Mathematical Analysis	Psyc 3301 Intro to Psychological Statistics
Math 3305 Formal and Informal Geometry	Soc 3400 Introduction to Social Statistics
Math 3306 Problem Solving in Mathematics	Stat 3331 Statistical Analysis for Business Apps.
Math 3321 Engineering Mathematics	Tech 3366 Applications of Numerical Methods in Technology
Math 3331 Differential Equations	Tmth 3360 Applied Technical Statistics

Degree		Major	Math Requirements
Gerald D. Hines College of Architecture			
B.Arch.	Architecture		Math 1310 and 1330
B.S.	Environmental Design		Math 1310 and 1330
B.S.	Industrial Design		Math 1310 and 1330
B.S.	Interior Architecture		Math 1310 and 1330
College of the Arts			
B.A./B.F.A.	Art		Only Core Math

B.A.	Art History	Only Core Math
B.A./B.M.	Music	Only Core Math
B.M.	Applied Music	Only Core Math
B.M.	Music - all elective studies	Only Core Math
B.M.	Music Composition	Only Core Math
B.A.	Music Theory	Only Core Math
B.F.A.	Theatre	Only Core Math
B.A.	Dance	Only Core Math
C.T. Bauer College of Business		
B.B.A.	Accounting	Math 1313, either Math 1314 or 1431, and Stat 3331. Math 1311 recommended for students that do not place directly into Math 1313.
B.B.A.	Business	Math 1313, either Math 1314 or 1431, and Stat 3331. Math 1311 recommended for students that do not place directly into Math 1313.
B.B.A.	Entrepreneurship	Math 1313, either Math 1314 or 1431, and Stat 3331. Math 1311 recommended for students that do not place directly into Math 1313.
B.B.A.	Finance	Math 1313, either Math 1314 or 1431, and Stat 3331. Math 1311 recommended for students that do not place directly into Math 1313.
B.B.A.	Management	Math 1313, either Math 1314 or 1431, and Stat 3331. Math 1311 recommended for students that do not place directly into Math 1313.
B.B.A.	Management Information Systems	Math 1313, either Math 1314 or 1431, and Stat 3331. Math 1311 recommended for students that do not place directly into Math 1313.
B.B.A.	Marketing	Math 1313, either Math 1314 or 1431, and Stat 3331. Math 1311 recommended for students that do not place directly into Math 1313.
B.B.A.	Supply Chain Management	Math 1313, either Math 1314 or 1431, and Stat 3331. Math 1311 recommended for students that do not place directly into Math 1313.
College of Education		
B.S.	Health	Math 1310 and 9 additional hours of Math Reasoning
B.A.	Human Development and Family Studies	Math 1310 and 3 additional hours of Math Reasoning
B.S.	Human Development and Family Studies	Math 1310 and 9 additional hours of Math Reasoning
B.S.	Human Development and Family Studies w/ EC-6 Generalist Certification	Math 1311, 1312, 2311, 2303, Eled 4314, and 4315
B.S.	Human Development and Family Studies w/ Nonprofit Leadership Alliance Certification	Either Math 1310 or 1311, and 9 additional hours of Math Reasoning
B.S.	Teaching and Learning - Elementary Teaching and Curriculum	Math 1311, 1312, 2303, 2311, Eled 4314, and 4315
B.S.	Teaching and Learning - Bilingual Elementary Teaching and Curriculum	Math 1311, 1312, 2303, 2311, Eled 4314, and 4315

B.S.	Teaching and Learning - Middle School Teaching and Curriculum (Math)	Math 1311, 1312, 2303, 2311, 3303, 3304, 3305, 3306, and 3 hours of upper division math to be selected in consent with student advisor
B.S.	Teaching and Learning - Middle School Teaching and Curriculum (Science)	Math 1311, 1312, 2311, and 2302
B.S.	Teaching and Learning - Middle School Teaching and Curriculum (ELA)	Math 1311, 1312, 2311, and 2303
B.S.	Teaching and Learning - Middle School Teaching and Curriculum (Social Studies)	Math 1311, 1312, 2311, and 2303
Cullen College of Engineering		
B.S.B.E.	Biomedical Engineering	Math 1431, 1432, 2433, and 3321
B.S.Ch.E.	Chemical Engineering	Math 1431, 1432, and 2433
B.S.C.E.	Civil Engineering	Math 1431, 1432, 2433, and 3321
B.S.Cp.E.	Computer Engineering	Math 1431, 1432, 2433, 3321, and 3336
B.S.E.E.	Electrical Engineering	Math 1431, 1432, 2433, and 3321
B.S.I.E.	Industrial Engineering	Math 1431, 1432, 2433, and 3321
B.S.M.E.	Mechanical Engineering	Math 1431, 1432, 2433, 3321, and 3336
B.S.P.E.T.E.	Petroleum Engineering	Math 1431, 1432, 2433, and 3321
Conrad N. Hilton College of Hotel and Restaurant Management		
B.S.	Hotel and Restaurant Management	Core Math and either 2311 or Pysc 3301 or Tmth 3360
College of Liberal Arts and Social Sciences		
B.A.	Advertising	Only Core Math
B.A.	American Sign Language Interpreting	Only Core Math
B.A./B.S.	Anthropology	Only Core Math
B.A.	Chinese Studies	Only Core Math
B.A.	Classical Studies	Only Core Math
B.A./B.S.	Communication Sciences and Disorders	Only Core Math
B.A./B.S.	Economics	Only Core Math. B.S. requires either Math 1310 or 1431.**
B.A.	English	Only Core Math
B.A.	French	Only Core Math
B.A.	Health Communication	Only Core Math
B.A.	History	Only Core Math
B.S.	Human Nutrition and Foods	Math 1310, 1330, either 2311 or Pysc 3301, and 3 additional hours of Math Reasoning
B.A.	Integrated Communication	Only Core Math
B.A.	Interpersonal Communication	Only Core Math
B.A.	Italian Studies	Only Core Math
B.A.	Journalism	Only Core Math

B.S.	Kinesiology - Exercise Science	Math 1310, 1330, either Math 2311 or Psys 3301, and 3 additional hours of Math reasoning
	Kinesiology - Fitness and Sports	Math 1310, either 2311 or Psys 3301, and 3 additional hours of Math reasoning
B.S.	Kinesiology - Sports Administration	Math 1310, 2311, and 3 additional hours of Math reasoning
B.A./B.S.	Liberal Studies	Only Core Math
B.A.	Media Policy/ Media Studies	Only Core Math
B.A.	Media Production	Only Core Math
B.A.	Organizational/Corporate Communication	Only Core Math
B.A.	Philosophy	Only Core Math
B.A./B.S.	Political Science	Math 1310 and Pols 3316
B.A.	Public Relations	Only Core Math
B.A./B.S.	Psychology	Core Math and Psys 3301
B.A.	Religious Studies	Only Core Math
B.A./B.S.	Sociology	Math 1310 and Soc 3400
B.A.	Spanish	Only Core Math
B.A.	Women's Gender & Sexuality Studies	Only Core Math
B.A.	World Cultures and Literatures	Only Core Math
College of Natural Sciences and Mathematics		
B.A./B.S.	Biology	Math 1431, 1432, and either Math 2433 or 3338 or 3339
B.A./B.S.	Biochemical and Biophysical Sciences	Math 1431, 1432, and either Math 2433 or 3338 or 3339
B.A./B.S.	Chemistry	Math 1431, 1432, 2433, and Math 3321
B.S.	Computer Science	Math 1431, 1432, 3339, and either 2331 or 3321, and either 3336 or Cosc 3336
B.A.	Earth Science	Math 1431 and 1432
B.S.	Environmental Sciences	Math 1431, 1432, 2433, and 3339
B.S.	Geology	Math 1431, 1432, and 2433
B.S.	Geophysics	Math 1431, 1432, 2433, 3321, 3363, and 3364
B.S.	Mathematical Biology	Math 1431, 1432, 2331, 2433, 3331, 3338, 3339, and either 4309 or Biol 4309, and either Math 4310 or Biol 4310, and 3 additional hours of upper 4000-level mathematics
B.A./B.S.	Mathematics (all options)	Math 1310 and above. See course catalog for details.
B.A./B.S.	Physics	Math 1431, 1432, 2331, 2433, and 3331. B.S. also requires Math 3363 and 3364.
College of Pharmacy		
B.S.	Pre-Pharmacy	Math 1431 and 2311
College of Technology		
B.S.	Biotechnology	Math 1330, 1431, and either Tmth 3360 or Psys 3301
B.S.	Computer Engineering Technology	Math 1330, 1431, 1432, Elet 2300, and Tech 3366
B.S.	Computer Information Systems	Math 1330 and 1431
B.S.	Construction Management	Math 1313, 1330, 1431, and 2311

B.S.	Digital Media	Math 1310, 1313, 1330, Tmth 3360, and Phil 1321
B.S.	Electrical Power Engineering Technology	Math 1330, 1431, 1432 and Elet 2300
B.S.	Human Resources Development	Math 1310 and Tmth 3360
B.S.	Mechanical Engineering Technology	Math 1330, 1431, and 1432
B.A.	Organizational Leadership and Supervision	Math 1310 and 1313
B.S.	Retailing and Consumer Science	Math 1310 and Tmth 3360
B.S.	Supply Chain and Logistics Technology	Math 1310, 1313, 1314, and Tmth 3360
School of Nursing		
B.S.N.	Nursing	3 credit hours of Statistics

*Math 1312, 1313, 1314, 1330, 1431, 1450, 1451 and 2311 may also be applied to satisfy Core Math/Reasoning.

** Students considering graduate study in economics are strongly urged to take Math 1431 rather than 1310, and to take additional electives in mathematics.

University of Houston Victoria

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1314, 1324, 1325, 2312, 2413, 2414, and 2415.

Course Guide

Math 1314 College Algebra	Math 3320 Concepts in Math II
Math 1324 Finite Mathematics	Math 3321 Gaming Math for Non-Programmers
Math 1325 Business Calculus	Math 3343 History of Mathematics
Math 1342 Statistics	Math 3357 Introduction to Higher Geometry
Math 1350 Mathematics Fundamentals I	Math 3361 Linear Algebra
Math 1351 Mathematics Fundamentals II	Math 3362 Discrete Structures
Math 2312 Pre-Calculus	Math 3391 Probability and Statistics
Math 2413 Calculus I	Math 4310 Fundamental Concepts of Analysis
Math 2414 Calculus II	Math 4345 Math Concepts II for Middle School Teachers
Math 2415 Calculus III	Busi 3303 Business Statistics
Math 3312 Math Concepts I for Middle School Teachers	Psyc 3315 Statistics for the Social Sciences (Math 3395)
Math 3318 Concepts in Math I	

Degree	Major	Math Requirements
School of Arts and Sciences		
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Biology	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Biotechnology	Only Core Math
	Applied Arts and Sciences - Communication	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Computer Information	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Digital Gaming and	Core Math and 3321
B.A.A.S.	Applied Arts and Sciences - General Business	Only Core Math
B.A.A.S.	Applied Arts and Sciences - General Studies	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Leadership and	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Legal Assistance and	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Marketing	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Network and Security	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Psychology	Only Core Math
B.A.A.S.	Applied Arts and Sciences - Petroleum Technology	Core Math and 3391
B.A.A.S.	Applied Arts and Sciences - Web and Media	Only Core Math
B.S.	Biology	Core Math, 2312, and 3391
B.A./B.S.	Communication	Core Math and Psyc 3315

B.A.	Communication Design	Only Core Math
B.S.	Computer Engineering (effective Fall 2016)	Core Math, 2413, 2414, 3362, and 3391
B.S.	Computer Science	Core Math, 3362, and 3391
B.S.	Computer Science - Information Systems	Core Math, 1324, 1325, 3362, and 3391
B.S.	Computer Science - Digital Gaming & Simulation	Core Math, 1324, 3361, 3362
B.S.	Criminal Justice	Only Core Math
B.A.	Humanities	Only Core Math
B.A.	Humanities - English	Only Core Math
B.A.	Humanities - History	Only Core Math
B.A./B.S.	Mathematical Sciences	Math 2413 and beyond. See course catalog for details.
B.S.	Political Science	Only Core Math
B.A./B.S.	Psychology	Core Math and Psyc 3315
B.A.	Spanish	Only Core Math
School of Business Administration		
B.B.A.	Accounting	Math 1324, 1325, and Busi 3303
B.B.A.	Finance	Math 1324, 1325, and Busi 3303
B.B.A.	General Business	Math 1324, 1325, and Busi 3303
B.B.A.	Healthcare Administration	Math 1324, 1325, and Busi 3303
B.B.A.	Management	Math 1324, 1325, and Busi 3303
B.B.A.	Marketing	Math 1324, 1325, and Busi 3303
School of Education, Health Professions & Human Development		
B.S.I.S.	Interdisciplinary Studies - EC-6 Generalist	Math 1314, 1350, 1351, 3318, and 3320
B.S.I.S.	Interdisciplinary Studies - EC-12 LOTE Spanish	Math 1314, 1350, 1351, and either 3318 or 3312, and either 3320 or 4345
B.S.I.S.	Interdisciplinary Studies - 4-8 Generalist	Math 1314, 1350, 1351, and 3312
B.S.I.S.	Interdisciplinary Studies - 6-12 Business Education	Math 1324, 1350, 1351, and Busi 3303
B.S.I.S.	Interdisciplinary Studies - 7-12 Computer Science	Math 1314, 2413, 2414, 1350, and 1351
B.S.I.S.	Interdisciplinary Studies - 7-12 ELA/Reading	Core Math, 1350, and 1351
B.S.I.S.	Interdisciplinary Studies - 7-12 History	Core Math, 1350, and 1351
B.S.I.S.	Interdisciplinary Studies - 7-12 Life Science	Core Math, 1350, 1351, and 3391
B.S.I.S.	Interdisciplinary Studies - 7-12 Mathematics	Math 2413, 2414, 3343, 3357, 3361, 3362, 3391, and 4310
B.S.I.S.	Interdisciplinary Studies - 7-12 Science	Core Math, 1350, and 1351
B.S.I.S.	Interdisciplinary Studies - 7-12 Speech	Core Math, 1350, and 1351
B.S.	Kinesiology	Math 1314
B.S.	Health Studies	Math 1314 and Psyc 3315
School of Nursing		
B.S.N.	Nursing	Math 1342

University of North Texas

University-Wide Core Math Requirement - 3 hours selected from the following: Dsci 2710, Math 1180, 1190, 1350,* 1580, 1581, 1600, 1610, 1650, 1680, 1681, and 1710.**

Course Guide

Math 1110 Algebra (Math 1314 or Math 1414)**	Math 1681 Elem. Prob. & Stat. w/ Algebra (Math 1442)
Math 1180 College Math for Business, Economics, and Related Fields (Math 1324)	Math 1710 Calculus I (Math 2413 or Math 2413 or Math 2513)
Math 1190 Business Calculus (Math 1325/1425)	Math 1720 Calculus II (Math 2314 or Math 2414)
Math 1350 Math for Elementary Education I*	Math 1780 Probability Models
Math 1351 Math for Elementary Education II	Math 2700 Linear Algebra and Vector Geometry (Math 2318/2418)
Math 1580 Survey of Math w/ Applications (Math 1332)	Math 2730 Multivariable Calculus (Math 2315/2415)
Math 1581 Survey of Math w/ Applications & Algebra	Math 3410 Differential Equations I
Math 1600 Trigonometry (Math 1316)	Math 3680 Applied Statistics
Math 1610 Functions, Graphs, & Applications	Dsci 2710 Data Analysis w/ Spreadsheets
Math 1650 Precalculus (Math 2312 or Math 2412)	Dsci 3710 Business Statistics w/ Spreadsheets
Math 1680 Elem. Probability & Statistics (Math 1342/1442/2342/2442)	Econ 4630 Research Methods for Economists

Degree		Major	Math Requirements
College of Arts and Sciences			
B.A.	Biochemistry		Math 1710
B.S.B.C.	Biochemistry		Math 1710 and 1720
B.A.	Biology		Either Math 1710 or 1680
B.S.B.I.O.	Biology		Math 1710
B.A.	Chemistry		Math 1710 and 1720
B.S.C.H.M.	Chemistry		Math 1710, 1720, 2700, and 2730
B.A.	Communication Studies		Only Core Math
B.A.	Converged Broadcast Media		Only Core Math
B.A./B.F.A.	Dance		Only Core Math
B.S.	Ecology for Environmental Science		Either Math 1680 or 1710
B.A.	Economics		Either Math 1190 or 1710, and either 3680 or Econ 4630
B.S.E.C.O.	Economics		Math 1710, 1720, and either Math 3680 or Econ 4630, and 6 hours of advanced math electives. See course catalog for details.
B.A.	English		Only Core Math
B.A.	French		Only Core Math
B.A.	Geography		Math 1680 (or equivalent)
B.S.	Geography		Math 1680 (or equivalent) and 6 hours of Math (excluding Math 1010, 1100, 1350 and 1351)
B.A.	German		Only Core Math
B.A.	History		Only Core Math
B.A./B.S.	Integrative Studies		Only Core Math
B.A.	International Studies		Only Core Math
B.A.	Mathematics		Math 1710 and beyond. See course catalog for details.
B.S.M.T.H.	Mathematics		Math 1710 and beyond. See course catalog for details.

B.A.	Media Arts	Only Core Math
B.S.M.L.S.	Medical Laboratory Sciences	Math 1680
B.A.	Philosophy	Only Core Math
B.A.	Physics	Math 1710, 1720, and 2730
B.S.P.H.Y.	Physics	Math 1710, 1720, 2700, 2730, and 3410
B.A.	Political Science	Only Core Math
B.A.	Professional and Technical Communication	Only Core Math
B.A./B.S.	Psychology	Either Math 1680 or 1681 or approved substitute
B.A.	Religious Studies	Only Core Math
B.A.	Social Science	Only Core Math
B.A./B.S.	Sociology	Only Core Math
B.A.	Spanish	Only Core Math
B.A.	Theatre	Only Core Math
College of Business		
B.B.A.	Accounting	Either Math 1190 or 1710, and Dsci 2710
B.S.	Aviation Logistics	Math 1190 and Dsci 2710
B.B.A.	Business Administration	Either Math 1190 or 1710, and Dsci 2710
B.B.A.	Business Analytics	Either Math 1190 or 1710, and Dsci 2710
B.S.	Business Computer Information Systems	Either Math 1190 or 1710, and either Dsci 3710 or 3780
B.B.A.	Business Integrated Studies	Either Math 1190 or 1710, and Dsci 2710
B.B.A.	Economics	Either Math 1190 or 1710, and Dsci 2710
B.B.A.	Entrepreneurship	Either Math 1190 or 1710, and Dsci 2710
B.B.A.	Finance	Either Math 1190 or 1710, and Dsci 2710
B.S.	Logistics and Supply Chain Management	Either Math 1190 or 1710, and Dsci 2710
B.B.A.	Marketing	Either Math 1190 or 1710, and Dsci 2710
B.B.A.	Operations and Supply Chain Management	Either Math 1190 or 1710, and Dsci 2710
B.B.A.	Organizational Behavior & Human Resources Mgmt.	Either Math 1190 or 1710, and Dsci 2710
B.B.A.	Real Estate	Either Math 1190 or 1710, and Dsci 2710
B.B.A.	Risk, Insurance, and Financial Services	Either Math 1190 or 1710, and Dsci 2710
College of Education		
B.S.	Health Promotion	Only Core Math
B.S.	Human Development and Family Science	Only Core Math
B.S.	Interdisciplinary Studies - EC-6 Generalist	Math 1350 and 1351
B.S.	Interdisciplinary Studies - 4-8 Language Arts	Core Math and two additional approved math courses
B.S.	Interdisciplinary Studies - 4-8 Math	Math 1350, 1351, 1650, either 1680 or 3680, 1710, 1720, and 2 additional courses from Math 1580 or above
B.S.	Interdisciplinary Studies - 4-8 Science	Either Math 1110 or 1180, and two additional approved math courses
B.S.	Interdisciplinary Studies - 4-8 Social Studies	Core Math and two additional approved math courses
B.S.	Kinesiology	Math 1680
B.S.	Public Health	Math 1680
B.S.	Recreation, Event, and Sport Management	Only Core Math
College of Engineering		
B.S.	Biomedical Engineering	Math 1710, 1720, 2700, 2730, 3410, and 3680
B.S.	Computer Engineering	Math 1710, 1720, 1780, 2700, and 2730
B.S.	Computer Science	Math 1710, 1720, 1780, and 2700

B.S.E.T.	Construction Engineering Technology	Math 1710 and 1720
B.S.	Electrical Engineering	Math 1710, 1720, 2700, 2730, 3410, and 3680
B.S./B.S.	Electrical Engineering and Mathematics	Math 1710 and beyond. See course catalog for details.
B.S.E.T.	Electrical Engineering Technology	Math 1710 and 1720
B.A.	Information Technology	Either Math 1680 or 1780, and 1710
B.S.	Materials Science and Engineering	Math 1710, 1720, 2700, and 3410
B.S.	Mechanical and Energy Engineering	Math 1710, 1720, 2700, 2730, and 3410
B.S.E.T.	Mechanical Engineering Technology	Math 1710 and 1720. A minimum of 12 semester hours of mathematics is required.
B.S.E.T.	Nuclear Engineering Technology	Math 1710 and 1720. Not currently accepting students.
College of Information		
B.A.A.S.	Applied Technology and Performance Improvement	Only Core Math
B.S.	Information Science	Only Core Math
B.A.	Linguistics	Only Core Math
College of Merchandising, Hospitality and Tourism		
B.S.	Digital Retailing	Dsci 2710
B.S.	Home Furnishing Merchandising	Math 1680
B.S.	Hospitality Management	Only Core Math
B.S.	Merchandising	Math 1680
B.S.	Retailing	Math 1680
College of Music		
B.M.	Composition	Only Core Math
B.M.	General, Choral and Instrumental Music	Only Core Math
B.M.	Jazz Studies	Only Core Math
B.A.	Music	Only Core Math (Math 1580 or 1581 recommended)
B.M.	Music Theory	Only Core Math
B.M./B.F.A.	Performance	Only Core Math
College of Public Affairs and Community Services		
B.A.	Anthropology	Only Core Math
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.S.	Applied Behavior Analysis	Only Core Math
B.S.	Criminal Justice	Only Core Math
B.S.	Emergency Administration and Planning	Only Core Math
B.S.	Rehabilitation Studies	Only Core Math
B.S.W.	Social Work	Only Core Math
B.A.	Speech-Language Pathology and Audiology	Either Math 1680 or 1681
Frank W. and Sue Mayborn School of Journalism		
B.A.	Journalism	Math 1680
College of Visual Arts and Design		
B.A.	Art History	Only Core Math
B.F.A.	Communication Design	Only Core Math
B.F.A.	Fashion Design	Only Core Math
B.A.	Interdisciplinary Art and Design Studies	Only Core Math
B.F.A.	Interior Design	Only Core Math
B.F.A.	Studio Arts	Only Core Math

B.F.A.	Visual Arts Studies	Only Core Math
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* Course offered for elementary education students only. Math 1350 has a prerequisite of either Math 1100 or 1180

** Math 1100 (Algebra) does not satisfy the mathematics component of the core curriculum. Students who feel they acquired solid algebra skills in high school are strongly encouraged to take the mathematics placement exam to begin in a higher-level mathematics course.

University of North Texas at Dallas

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1100, 1190, 1350, 1580, 1581, 1600, 1650, 1680, or 1681.

Course Guide

Math 1100 College Algebra (Math 1314)	Math 1680 Elementary Probability and Statistics (Math 1342)
Math 1190 Business Calculus (Math 1325)	Math 1681 Elem. Probability and Statistics w/ Algebra
Math 1350 Math for Elementary Education Majors I	Math 1710 Calculus I (Math 2313/2413/2513)
Math 1351 Math for Elementary Education Majors II	Math 1720 Calculus II (Math 2314)
Math 1352 Algebra for Teachers	Math 2700 Linear Algebra and Vector Geometry
Math 1353 Geometry and Measurement for Teachers	Math 3000 Real Analysis I
Math 1354 Numbers and Operations for Teachers	Math 3350 Introduction to Numerical Analysis
Math 1355 Probability and Statistics for Teachers	Math 3410 Differential Equations I
Math 1580 Survey of Math w/ Apps (Math 1332)	Math 3510 Abstract Algebra I
Math 1581 Survey of Math w/ Apps and Algebra Review	Math 3510 Abstract Algebra I
Math 1600 Trigonometry (Math 1316)	Cjus 3350 Statistics in Criminal Justice
Math 1650 Precalculus (Math 2312/2412)	

Degree	Major	Math Requirements
Division of Education and Human Services		
B.S.	Child Development and Family Studies	Math 1350
B.S.	Human Services Management and Leadership	Either Math 1100 or 1580 or 1680
B.S.	Interdisciplinary Studies	Math 1352, 1353, 1354, and 1355
B.S.	Interdisciplinary Studies with Elementary Ed-ELA	Math 1352, 1354, 1355
B.S.	Interdisciplinary Studies with Elementary Ed-	Math 1352, 1353, 1354, and 1355
B.S.	Interdisciplinary Studies with Elementary Ed-	Math 1352, 1354, 1355
B.S.	Interdisciplinary Studies with Elementary Ed-	Math 1352, 1354, 1355
B.S.	Interdisciplinary Studies with Elementary Ed-Math	Math 1354 and beyond. See course catalog for details.
B.S.	Interdisciplinary Studies with Elementary Ed-	Core Math, 1354, 1353, and 1355
B.S.	Interdisciplinary Studies with Elementary Ed-Social	Core Math, 1354, 1355
Division of Liberal Arts and Life Sciences		
B.A.A.S.	Applied Arts and Sciences	Either Math 1100 or 1581 or 1681
B.S.	Biology	Math 1680 and 1710
B.A.	Biology	Math 1680 and 1710
B.A.	Communication and Technology	Only Core Math
B.A.	Information Technology	Math 1680 and 1710. Math concentration also requires Math 1720, 2700, 3000, 3350, 3410, and 3510.
B.A.	Mathematics	Math 1710 and beyond. See course catalog for details.
B.A.	Mathematics with Secondary Teacher Certification	Math 1710 and beyond. See course catalog for details.
B.A.	Sociology	Only Core Math
B.A.	Political Science	Only Core Math
B.A.	Psychology	Only Core Math
B.A.	Public Health	Math 1680
Division of Urban and Professional Studies		
B.B.A.	Accounting	Either Math 1680 or 1190. Math 1680 recommended.
B.S.	Criminal Justice	Math 1581 and Cjus 3350
B.B.A.	Entrepreneurship	Math 1190

B.B.A.	Finance	Either Math 1680 or 1190. Math 1680 recommended.
B.B.A.	General Business	Either Math 1680 or 1190. Math 1680 recommended.
B.B.A.	Hospitality Management	Either Math 1680 or 1190. Math 1680 recommended.
B.S.	Logistics and Supply Chain Management	Either Math 1680 or 1190. Math 1680 recommended.
B.B.A.	Org. Behavior and Human Resources Manag.	Either Math 1680 or 1190. Math 1680 recommended.

**University of Texas
at Arlington**

University-Wide Core Math Requirement - 6 hours selected from the following: Math 1301, 1302, 1303, 1308, 1313, 1315, 1316, 1324, 1325, 1327, 1330, 1331, 1332, 1421, 1426,* 2326, 2425, Phil 2311, and Engr 1300. Students, who are required by their majors to fulfill only core math requirements, are typically advised to take 1301 and 1308.

Course Guide	
Math 1301 Contemporary Math (Math 1332)	Math 3316 Statistical Inference
Math 1302 College Algebra (Math 1314)	Math 3318 Differential Equations
Math 1303 Trigonometry (Math 1316)	Math 3319 Differential Equations & Linear Algebra
Math 1308 Elem. Statistical Analysis (Math 1342)	Math 3321 Abstract Algebra 1
Math 1313 Liberal Arts Honors Mathematics	Math 3330 Intro to Matrices and Linear Algebra
Math 1315 Algebra for Econ. & Bus. (Math 1324)	Math 3345 Numerical Analysis & Computer Apps
Math 1316 Math for Econ. & Bus. (Math 1325)	Math 4350 Precalculus for Teachers
Math 1324 Algebra & Trigonometry	Math 4351 Calculus for Teachers
Math 1325 Analytic Geometry (Math 1348)	Biol 2300 Biostatistics
Math 1327 Architectural Calculus	Bstat 3321 Business Statistics
Math 1330 Arithmetical Problem Solving	Cse 3380 Linear Algebra for CSE
Math 1331 Geometrical Inference & Reasoning	Ee 2347 Mathematical Foundations of EE
Math 1332 Functions, Data, & Apps	Engr 1300 Engineering Problem Solving
Math 1421 Preparation for Calculus	Ie 3301 Engineering Probability
Math 1426 Calculus I (Math 2413)*	Phil 2311 Logic
Math 2326 Calculus III (Math 2315)	Psyc 2443 Research Design and Statistics I
Math 2330 Functions and Modeling	Psyc 2444 Research Design and Statistics II
Math 2425 Calculus II (Math 2414)	Soci 3352 Social Statistics
Math 3300 Introduction to Proofs	Socw 2325 Social Work Statistics
Math 3301 Foundations of Geometry	

Degree	Major	Math Requirements
College of Architecture, Planning, and Public Affairs		
B.S.	Architecture	Math 1325 and either 1327 or 1426
B.S.	Interior Design	Math 1325 and either 1324 or 1302 or 1303
College of Business		
B.B.A./B.S.	Accounting	Math 1315, 1316, and Bstat 3321
B.B.A./B.S.	Economics	Either Math 1315 or 1325, and either 1316 or 1426, and Bstat 3321
B.B.A.	Finance	Math 1315, 1316, and Bstat 3321
B.B.A./B.S.	Information Systems	Math 1315, 1316, and Bstat 3321
B.B.A.	International Business Administration	Math 1315, 1316, and Bstat 3321
B.B.A.	Management	Math 1315, 1316, and Bstat 3321
B.B.A.	Marketing	Math 1315, 1316, and Bstat 3321
B.B.A.	Operations Management	Math 1315, 1316, and Bstat 3321

B.B.A.	Real Estate	Math 1315, 1316, and Bstat 3321
College of Education		
B.A.I.S.	Interdisciplinary Studies - EC-6 Bilingual	Math 1302, 1330, 1331, and 1332
B.A.I.S.	Interdisciplinary Studies - EC-6 ESL	Math 1302, 1330, 1331, and 1332
B.A.I.S.	Interdisciplinary Studies - 4-8 ELA/Social Studies	Math 1302 and 1330
B.S.I.S.	Interdisciplinary Studies - 4-8 Math/Science	Math 1302, 1308, 1330, 1331, 1332, 4350, and 4351
B.S.I.S.	Interdisciplinary Studies - 4-8 Generalist	Math 1302, 1308, 1330, 1331, 1332, 4350, and 4351
College of Engineering		
B.S.A.E	Aerospace Engineering	Math 1426, 2425, 2326, and 3330
B.S.	Biomedical Engineering	Math 1426, 2425, 2326, 3319, and either 3316 or Ie 3301
B.S.C.E.	Civil Engineering	Math 1426, 2425, 2326, and 3319
B.S.C.S.E./B.S.C.S.	Computer Engineering	Math 1426, 2425, either 3330 or Cse 3380, and an additional 3 hours of Math
B.S.C.S.	Computer Science	Math 1426, 2425, either 3330 or Cse 3380, and an additional 3 hours of Math
B.S.E.E.	Electrical Engineering	Math 1426, 2425, 2326, 3319, and Ee 2347
B.S.I.E.	Industrial Engineering	Math 1426, 2425, 2326, and 3319
B.S.M.E.	Mechanical Engineering	Math 1426, 2425, 2326, and 3330
College of Liberal Arts		
B.A.	Anthropology	Only Core Math
B.F.A./B.A.	Art	Only Core Math
B.A.	Art History	Only Core Math
B.A.	Communication - Advertising	Math 1308
B.A.	Communication - Broadcasting	Only Core Math
B.A.	Communication - Communication Technology	Only Core Math
B.A.	Communication - Journalism	Math 1308
B.A.	Communication - Organizational Communication	Only Core Math
B.A.	Communication - Public Relations	Math 1308
B.A.	Communication - Speech Communication	Only Core Math
B.A./B.C.R.C.J.	Criminology & Criminal Justice	Math 1301 (or higher) and either Crcj 3340 or Soci 3352. Math 1301 and 1308 are recommended.
B.A.	Critical Languages and International Studies	Only Core Math
B.A.	English	Only Core Math
B.A.	French	Only Core Math
B.A.	History	Either Math 1301 or 1302 or 1315, and either 1303 or 1308 or 1316
B.A.	Linguistics	Only Core Math
B.A.	Modern Languages	Only Core Math
B.M.	Music	Only Core Math
B.A.	Philosophy	Only Core Math
B.A.	Political Science	Only Core Math (1302 and 1308 recommended)
B.A.	Sociology	Core Math (1301 or higher; 1308 recommended) and Soci 3352

B.A.	Spanish	Only Core Math
B.A./B.F.A.	Theatre Arts	Only Core Math
College of Nursing and Health Innovation		
B.A./B.S.	Athletic Training	Only Core Math (1302 and 1308 recommended). Degree is being phased out on May 2016.
B.S.	Exercise Science	Math 1302 and 1308. Clinical Health Track requires Math 1308 and either 1302 or 1303 or 1426.
B.S./B.A.	Kinesiology	Only Core Math (1302 and 1308 recommended)
B.A.	Physical Education	Math 1302
B.S.N.	Nursing	Math 1301
College of Science		
B.S.	Biochemistry	Math 1426, 2425, and 2326
B.S.	Biological Chemistry	Math 1421, 1426, and 2425
B.A.	Biology	Math 1302 and 1303
B.S.	Biology	Math 1421 and 1426
B.S.	Chemistry	Math 1426, 2425, 2326, and either 3319 or 3318
B.A.	Chemistry	Math 1426 and 2425
B.S.	Environmental Science	Math 1426, 2425, and either Math 3316 or Biol 2300
B.S.	Geoinformatics - General	Math 1308 and 1426
B.A.	Geology	Math 1308 and either 1324 or 1302 or 1303
B.S.	Geology - Engineering Geology	Math 1426 and 2425
B.S.	Geology - Environmental Science	Math 1426, 2425, and either Math 3316 or Biol 2300
B.A.	Geology - Geographic Information Systems	Math 1308 and either 1324 or 1302 or 1303
B.S.	Geology - Professional	Math 1426, 2425, and either 3316 or Biol 2300
B.A.	Geology - Composite Science Teacher Cert.	Either Math 1302 or 1303 or 1324, and 1308
B.S./B.A.	Mathematics (all options)	Math 1426 and beyond. See course catalog for details.
B.S.	Medical Technology	Math 1302 and either Math 1303 or 1308
B.S.	Microbiology	Math 1421 and 1426
B.S./B.A.	Physics	Math 1426, 2425, 2326, 3345, and either 3319 or 3318. B.S. also requires a Math 4000-level elective. Physics/Math teacher certification also requires Math 2330, 3300, 3301, 3319, and 3321.
B.S.	Psychology	Math 1421, 1426, Psyc 2443 and 2444
B.A.	Psychology	Either Math 1302 or 1315, and either 1303 or 1316, Psyc 2443 and 2444
School of Social Work		
B.S.W.	Social Work	Math 1301 (or higher) and either Math 1308 or Socw 2325
University College		
B.A./B.S.	Interdisciplinary Studies	Only Core Math
B.S.	University Studies	Only Core Math

* Math 1426 requires the passing of a placement exam. No other prerequisites will satisfy the placement requirement

**University of Texas
at Austin**

University-Wide Core Math Requirement - 3 hours selected from the following: M 302, 305G, 316, 408C, 408K, 408R, 408N, Afr 302M, Edp 371, Sds 302, 303, 304, 305, 306, or 328M. (Note: M 310P - Modern Mathematics is available to Plan II Honors students.)

Course Guide

M 301 College Algebra (Math 1314)	Coe 372 Applied Mathematics II
M 302 Introduction to Mathematics (Math 1332)	Edp 371 Introduction to Statistics
M 305G Preparation for Calculus (Math 2312)	Eco 329 Economic Statistics
M 310P Modern Mathematics: Plan II	Fin 366P Finance Practicum
M 316 Elementary Statistical Methods (Math 1342, 2342)	Psy 418 Statistics and Research Design
M 316K Foundations of Arithmetic (Math 1350)	Mis 373 Topics in Management Information Systems
M 316L Geometry, Stats, and Probability (Math 1351)	Sds 302 Data Analysis for Health Sciences
M 340L Matrices and Matrix Calculations	Ssc 303 Statistics in Experimental Research
M 362K Probability I	Sds 304 Statistics in Health Care
M 403K Calculus I for Business and Economics (Math 1425)	Sds 305 Statistics in Policy Design
M 403L Calculus II for Business and Economics	Sds 306 Statistics in Market Analysis
M 408C Differential Calculus (Math 2417)	Sds 321 Introduction to Probability and Statistics
M 408D Differential Calculus (Math 2419)	Sds 325H Honors Statistics
M 408K Differential Calculus (Math 2413)	Sds 328M Biostatistics
M 408L Integral Calculus (Math 2414)	Sds 329C Practical Linear Algebra
M 408M Multivariable Calculus (Math 2415)	Sds 332 Statistical Models for Health/Behavioral Sciences
M 408N Differential Calculus for Science (Math 408N)	Soc 317L Introduction to Social Statistics
M 408R Differential and Integral Calculus for Science	Sta 309 Elementary Business Statistics
M 408S Integral Calculus for Sciences (Math 2414)	Sta 309H Elementary Business Statistics: Honors
M 427J Differential Equations and Linear Algebra (Math 2421)	Sta 371G Statistics and Modeling
M 427K Advanced Calculus for Applications I (Math 2420)	Sta 371H Statistics and Modeling: Honors
M 427L Advanced Calculus for Applications II	Sta 372 Topics in Statistics
Afr 302M Numbering Race	Sta 375 Statistics and Modeling for Finance
Ce 311S Probability and Statistics for Civil Engineers	Sta 375H Statistics and Modeling for Finance: Honors
Coe 371 Applied Mathematics I	Sw 318 Social Work Statistics

Degree	Major	Math Requirements
School of Architecture		
B.Arch.	Architecture	M 408C
B.Arch./B.S.	Architecture - Architectural Engineering Dual Degree	M 408C, M 408D, M 427J, and Ce 311s
B.Arch./B.A.	Architecture/Plan II Dual Degree Program	M 408C
B.S.	Architectural Studies	M 408C
B.S.	Interior Design	Only Core Math
Red McCombs School of Business		
B.B.A.	Accounting	Sta 309, 371G, and one of the following sequences: M 408C and M 408D; or M 408K and M 408L; or M 408N and M 408S
B.B.A.	Business Honors Program	Sta 309H, 371H, and one of the following sequences: M 408C and M 408D; or M 408K and M 408L; or M 408N and M 408S
B.B.A.	Finance	Sta 309, 371G, and one of the following sequences: M 408C and M 408D; or M 408K and M 408L; or M 408N and M 408S. Quantitative Finance track requires either Sta 375 or 375H and one of the following sequences: M 408C and 408D; or M 408K and 408L; or M 408N and 408S. Also requires either Sta 372 or Mis 373 or Fin 366P.
B.B.A.	International Business	Sta 309, 371G, and one of the following sequences: M 408C and M 408D; or M 408K and M 408L; or M 408N and M 408S
B.B.A.	Management	Sta 309, 371G, and one of the following sequences: M 408C and M 408D; or M 408K and M 408L; or M 408N and M 408S
B.B.A.	Management Information Systems	Sta 309, 371G, and one of the following sequences: M 408C and M 408D; or M 408K and M 408L; or M 408N and M 408S

B.B.A.	Marketing	Sta 309, 371G, and one of the following sequences: M 408C and M 408D; or M 408K and M 408L; or M 408N and M 408S
B.B.A.	Science and Technology Management	M 427J, Sta 309, 371G, and one of the following sequences: M 408C and M 408D; or M 408K, M 408L, and M 408N
B.B.A.	Supply Chain Management	Sta 309, 371G, and one of the following sequences: M 408C and M 408D; or M 408K and M 408L; or M 408N and M 408S
Moody College of Communication		
B.S.	Advertising	Sds 306
B.S.	Communication and Leadership	Only Core Math
B.S.	Communication Sciences and Disorders	Only Core Math
B.S.	Communication Studies	Only Core Math
B.J.	Journalism	Only Core Math
B.S.	Public Relations	Sds 306
B.S.	Radio/Television/Film	Only Core Math
College of Education		
B.S.	Applied Learning and Development	M 316K and M 316L. Youth and Community Studies specialization requires only Core Math.
B.S.	Athletic Training	M 305G (or calculus or statistics; courses not specified)
B.S.	Kinesiology and Health	Only Core Math. Exercise Science concentration requires either M 408C or M 408K.
B.A./B.S.	Teacher Certification	Varies by subject specialization. See details on UTeach degrees webpage. M316K and M316L are required for EC-4.
Cockrell School of Engineering		
B.S.	Aerospace Engineering	M 408C, M 408D, either M 427J or M 427K, and M 427L
B.S.	Architectural Engineering	M 408C, M 408D, and either M 427J or M 427K
B.S.	Biomedical Engineering	M 408C, M 408D, and either M 427J or M 427K
B.S.	Chemical Engineering	M 408C, M 408D, and either M 427J or M 427K
B.S.	Civil Engineering	M 408C, M 408D, and either M 427J or M 427K
B.S.	Computational Engineering (Degree pending THECB)	M 362K, M 408C, M 408D, either M 427J or M 427K, M 427L, Coe 371 and Coe 372
B.S.	Electrical Engineering	Either M 427J or 427K, M 340L, 6-8 hours of advanced math electives, and one of the following sequences: M 408C and 408D; or M 408K, 408L, and 408M. Technical core areas may require more advanced math electives. See degree webpage for details.
B.S.	Environmental Engineering (Degree pending THECB)	M 408C, M 408D, and either M 427J or M 427K
B.S.	Geosystems Engineering and Hydrogeology	M 408C, M 408D, and either M 427J or M 427K
B.S.	Mechanical Engineering	M 408C, M 408D, either M 427J or M 427K, and M 427L
B.S.	Petroleum Engineering	M 408C, M 408D, and either M 427J or M 427K
College of Fine Arts		
B.F.A.	Acting	Only Core Math
B.M.	All Instrument and Composition Majors	Only Core Math
B.A.	Art History	Only Core Math
B.S.	Arts and Entertainment Technologies	Only Core Math
B.F.A.	Dance	Only Core Math
B.A./B.F.A.	Design	Only Core Math
B.A.	Music	Only Core Math
B.A.	Music - Music Business	Only Core Math
B.M.	Music Studies	Only Core Math
B.A.	Music - Recording Technology	M 408D
B.A./B.F.A.	Studio Art	Only Core Math
B.A.	Theatre and Dance	Only Core Math
B.F.A.	Theatre Studies	Only Core Math
B.F.A.	Visual Art Studies	Only Core Math

B.M.	Voice Performance	Only Core Math
Jackson School of Geosciences		
B.A.	Geological Sciences	Only Core Math
B.S.	Geological Sciences - General Geology	One of the following sequences: M 408C and 408D; or M 408K, 408L, and 408M
B.S.	Geological Sciences - Geophysics	M 427J, M 427L, and one of the following sequences: M 408C and 408D; or M 408K, M 408L, and M 408M
B.S.	Geological Sciences - Hydrogeology	M 427J and one of the following sequences: M 408C and M 408D; or M 408K, M 408L, and M 408M
B.S.	Geological Sciences - Teaching	M 408C
B.S.	Environmental Science - Geological Sciences	Either M 408C or one of the following sequences: M 408N and M 408S; or M 408K and M 408L. Also requires M 408D or M 408M.
B.S.	Geosystems Engineering and Hydrogeology	M 408C, M 408D, and either M 427J or M 427K
College of Liberal Arts		
B.A.	African and African Diaspora Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	American Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Anthropology	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Asian Cultures and Languages	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Asian Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Asian American Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Classical Archaeology	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Classical Languages	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Classical Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Economics	One of the following sequences: M 408C and 408D; or M 408K and 408L. Mathematics 403K and 403L (and transfer equivalents) may not be substituted for the required math courses.
B.A.	English	Only Core Math (excluding M 301, M 316K, and M 316L)
B.S.	Environmental Science - Geographical Sciences	Either M 408C, or one of the following sequences: M 408N and M 408S; or M 408K and M 408L
B.A.	Ethnic Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	European Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	French	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Geography	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	German	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	German, Scandinavian, and Dutch Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Government	3 hours of statistics selected from: Math 318, Eco 329, Edp 371, Psy 418, Sw 318, Soc 317L, Sta 309, Sds 302, 304, 305, or 306.
B.A.	Health and Society	3 hours of statistics. Contact department for approved list of statistics courses.
B.A.	History	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Humanities	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Iberian and Latin American Languages and Cultures	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	International Relations and Global Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Islamic Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Italian	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Jewish Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
	Latin American Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Linguistics	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Mexican American Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Middle Eastern Languages and Cultures	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Middle Eastern Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Philosophy	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Plan II Honors	M 310P

B.A.	Portuguese	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Psychology	Only Core Math and Psy 418
B.S.	Psychology	Either M 408C or M 408K or more advanced calculus, and either M 316 or more advanced mathematics course in probability
B.A.	Religious Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Rhetoric and Writing	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Russian Language and Culture	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Russian, East European, and Eurasian Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Sociology	Soc 317L (or approved substitution)
B.A.	Spanish	Only Core Math (excluding M 301, M 316K, and M 316L)
B.A.	Urban Studies	Either M 408C or M 408K, and either M 316 or Sds 305
B.A.	Women's and Gender Studies	Only Core Math (excluding M 301, M 316K, and M 316L)
College of Natural Sciences		
B.A.	Astronomy	One of the following sequences: M 408C and 408D; or M 408N, 408S, and 408M
B.S.A.	Astronomy	M 408C, 408D, and 427K
B.S.	Astronomy	M 408C, M 408D (or equivalent), either M 427J or M 427K, M 427L, and M 340L
B.A./B.S.	Biochemistry	Sds 328M and one of the following sequences: M 408C and M 408D; or M 408N, M 408M, and M 408S
B.S.A.	Biochemistry	Sds 328M and one of the following sequences: M 408C; or M 408N and M 408S
B.A./B.S.A.	Biology	Sds 328M and one of the following sequences: M 408C and M 408R; or M 408N and M 408S
B.S.	Biology	One of the following sequences: M 408C or M 408N; or M 408N and M 408S. Some options require additional math and statistics. See catalog for details.
B.A.	Chemistry	One of the following sequences: M 408C and M 408D; or M 408N and M 408S
B.S.	Chemistry	One of the following sequences: M 408C and M 408D; or M 408N, M 408S, and M 408M. Some options require additional math and statistics. See catalog for details.
B.S.A.	Chemistry	One of the following sequences: M 408C and M 408D; or M 408N or M 408S or M 408M
B.A./B.S.A.	Computer Science	Either M 408C or M 408N and M 408S, and either M 340L or M 341 or Sds 329C, and either M 362K or Sds 321
B.S.	Computer Science	Either M 362K or Sds 321, and one of the following: M 340L, M 341, or Sds 329C. And one of the following sequences: M 408C and M 408D; or M 408N, M 408S, and M 408M. Some options require additional math and statistics. See catalog for details.
B.S.	Environmental Science - Biological Sciences	Either Sds 328M or M 321, and one of the following sequences: M 408C; or M 408N and M 408S; or M 408K and M 408L
B.S.A.	Human Development and Family Sciences	Sds 302 and either M 408C or M 408N or Sds 332
B.S.	Human Development and Family Sciences	Sds 302 and either M 408C or M 408N or Sds 332
B.S.A.	Human Ecology	Sds 302 and either M 408C or M 408N or Sds 332
B.A./B.S.A./B.S.	Mathematics	M 408C and beyond. See catalog for details.
B.S.	Medical Laboratory Science	Either M 408C or M 408N, and either Sds 304 or Sds 328M
B.S.	Neuroscience	M 362k, M 378K, M 427L, Sds 328M, and either M 427J or M 427K, and either M 340L or M 341, and either Sds 321 or 329C, and one of the following sequences: M 408C; or 408N and 408S. Some options may require additional math and statistics. See catalogue for details.
B.S.A.	Neuroscience	Sds 328M and one of the following sequences: M 408C; or M 408N and M 408S
B.S.	Nutrition	Either M 408C or M 408N or Sds 332, and one of the following: Sds 302, Sds 304, Sds 306, Sds 325H, or Sds 328M. Some options may require additional math and statistics. See catalogue for details.
B.S.A.	Nutrition	Either M 408C or M 408N or Sds 332, and select one of the following: Sds 302, Sds304, Sds 306, Sds 325H, or Sds 328M
B.S.	Physics	M 408C and beyond. See catalog for details.
B.A.	Physics	Either M 427K or M 427J or M 372 and nine additional hours of mathematics including three upper-division hours

B.S.A.	Physics	M 408C, M 408D, M 427K, and M 472L
B.S.	Public Health	Either M 408C or M 408N and Sds 328M. Biostatistics and public health informatics specializations require additional math and statistics coursework. See catalog for details.
B.S.	Textiles and Apparel	Either M 408C or M 408N or Sds 332; and one of the following: M 316, Edp371, Sds 302, Sds 303, Sds 304, Sds 305, Sds 306. Honors option only requires either M 408C or M 408N or Sds 332.
School of Nursing		
B.S.	Nursing	Only Core Math (Sds 302 recommended)
B.S.N.	Registered Nursing	Only Core Math (Sds 302 recommended)
School of Social Work		
B.S.W.	Social Work	Core Math and SW 318

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University-Wide Core Math Requirement - 3 hours selected from the following: Math 1306, 1314, 1316, 1325, 2306, 2312, 2413, 2414, 2415, 2417, Psy 2317, Stat 1342, or Stat 2332.

Course Guide	
Math 1306 College Algebra for the Non-Scientist	Ce/Cs/Te 2305/3305 Discrete Math for Computing I & II
Math 1314 College Algebra	Cs/Se/Stat 3341 Statistics in Comp. Sci. & Software Eng.
Math 1316 Trigonometry	Engr 2300 Linear Algebra for Engineers
Math 1325 Applied Calculus	Engr 3300 Advanced Engineering Mathematics
Math 1326 Applied Calculus II	Engr 3341 Probability Theory and Statistics
Math 2306 Analytic Geometry	Epps 2302 Quantitative Analysis in the Social Sciences
Math 2312 Precalculus	Epps 2303 Statistics for the Social and Policy Sciences
Math 2333 Matrices, Vectors and Their Application	Geos 5306 Data Analysis for Geoscientists
Math 2413 Differential Calculus	Phys 3330 Numerical Methods in Physics & Comp. Tech.
Math 2414 Integral Calculus	Psy 2317 Statistics for Psychology
Math 2415 Calculus of Several Variables	Opre 3333 Quantitative Business Analysis
Math 2417 Calculus I	Opre 3360 Managerial Methods
Math 2418 Linear Algebra	Se 3306 Mathematical Foundations of Software Eng.
Math 2419 Calculus II	Stat 1342 Statistical Decision Making (Math 1342)
Math 2420 Differential Equations with Applications	Stat 2332 Statistics for Life Sciences
Math 2451 Multivariable Calculus with Applications	Stat 3360 Statistics for Management & Economics
Math 4362 Partial Differential Equations	

Degree	Major	Math Requirements
School of Arts and Humanities		
B.A.	Art and Performance	Only Core Math
B.A.	Historical Studies	Only Core Math
B.A.	Literary Studies	Only Core Math
School of Arts, Technology, and Emerging Communication		
B.A.	Arts and Technology	Only Core Math
B.A.	Emerging Media and Communication	Either Math 1306 or 1314, and Psyc 2317
School of Behavioral and Brain Sciences		
B.S.	Child Learning and Development	Either Math 1306 or 1314 or 2417, and either Psy 2317 or Stat 1342 or 2332
B.S.	Cognitive Science	Either Math 2413 or 2417, and either 2414 or 2419, and either Cs 3341 or Psy 2317, and Math 2418. Math 2417 and 2419 recommended.
B.S.	Neuroscience	Either Math 2414 or 2417, and either Stat 1342 or 2332 or Psy 2317
B.S.	Psychology	Either Math 1306 or 1314 or 2417, and either Stat 1342 or Stat 2332 or Psy 2317
B.S.	Speech - Language Pathology and Audiology	Either Math 1306 or 1314, and either Psyc 2317 or Stat 1342
School of Economic, Political and Policy Sciences		
B.A.	Criminology	Either Math 1306 or 1314, and Epps 2303
B.A.	Criminology and Biology	Either Math 1325 or 2413, and one of the following: Math 2414, Epps 2302, 2303, or Stat
B.A.	Economics	Either Math 1325 or 2413 or 2417, and either Epps 2302 or 2303, or Stat 1342
B.S.	Economics	Either Math 1325 or 2413 or 2417, and either 2419 or 1326 or 2414, and one of the following: Epps 2302, Opre 3360, Stat 3360, or Stat 1342
B.S.	Economics and Finance	Math 1325, 1326, and either Math 2333 or Opre 3333, and either Stat 3360 or Opre 3360**

B.S.	Geospatial Information Sciences	Math 1325, 1326, and either Epps 2302 or 2303
B.A./B.S.	International Political Economy	For B.A., Math 1314 and either Epps 2302 or 2302. For B.S., Math 1325 and Epps 2303.
B.S.	International Political Economy & Global Business	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305 or Opre 3333
B.A.	Political Science	Math 1314 and either Epps 2302 or 2303
B.S.	Public Affairs	Either Math 1306 or 1314, and either Epps 2302 or 2303
B.S.	Public Policy	Either Math 1325 or 2413 or 2417, and either Epps 2302 or 2302
B.A.	Sociology	Either Math 1306 or 1314, and either Epps 2302 or 2303
Erik Jonsson School of Engineering and Computer Science		
B.S.	Biomedical Engineering	Math 2417, 2419, 2420, Engr 2300, 3300, and 3341
B.S.	Computer Engineering	Math 2417, 2419, 2420, Ce 2305, Engr 2300, 3300, and 3341
B.S.	Computer Science	Either Math 2413 or 2417, either 2414 or 2419, 2418, Cs 2305, 3305, and 3341
B.S.E.E.	Electrical Engineering	Math 2417, 2419, 2420, Engr 2300, Engr 3300, and Engr 3341
B.S.	Mechanical Engineering	Math 2417, 2419, 2420, Engr 2300, 3300, and 3341
B.S.	Software Engineering	Either Math 2413 or 2417, either 2414 or 2419, 2418, Cs 2305, Se 3306, and 3341
School of Interdisciplinary Studies		
B.A.	American Studies	Either Math 1306 or 1314
B.S.	Healthcare Studies	Either Math 1325 or 2413 or 2417 and Stat 2332
B.A.	Interdisciplinary Studies	Either Math 1306 or 1314
B.S.	Interdisciplinary Studies	Either Math 1325 or 2413 or 2417, either 1326 or 2414 or 2419, 2415, and one statistics course
Naveen Jindal School of Management		
B.S.	Accounting	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
B.S.	Business Administration	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
B.S.	Finance	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
B.S.	Finance and Economics	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
B.S.	Global Business	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
B.S.	Global Business - International Political Economy	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
B.S.	Healthcare Management	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
B.S.	Healthcare Management and Biology	Math 2413, 2414, and either Stat 3360 or 2332 or Opre 3360. Also requires one of the following: Math 2333, 2418, Cs 2305, or Opre 3333.
B.S.	Healthcare Management and Molecular Biology	Math 2413, 2414, and either Stat 3360 or 2332 or Opre 3360. Also requires one of the following: Math 2333, 2418, Cs 2305, or Opre 3333.
B.S.	Information Technology and Systems	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
B.S.	Marketing	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
B.S.	Supply Chain Management	Math 1325, 1326, either Stat 3360 or Opre 3360, and one of the following: Math 2333, 2418, Cs 2305, or Opre 3333
School of Natural Sciences and Mathematics		
B.S.	Actuarial Science	Math 2417 and beyond. See course catalog for details.
B.S.	Biochemistry	Select one of the following sequences: Math 2413, 2414, and 2415; or 2417, 2419, and 2451. Stat 2332 is also strongly recommended.
B.A.	Biology	Select one of the following sequences: Math 2413 and 2414; or, 2417 and 2419; or, 1325 and Stat 2332
B.S.	Biology	Select one of the following sequences: Math 2413 and 2414; or, 2417 and 2419
B.A.	Biology and Criminology	Select from one of the following sequences: Math 2413 and 2414; or, 1325 and either Stat 2332 or Epps 2302*

B.S.	Biology and Healthcare Management	Math 2413, 2414, and one of the following: 2333, 2418, Cs 2305, or Opre 3333.* One of the following is also required: Stat 3360, 2332, or Opre 3360.
B.A./B.S.	Chemistry	Select one of the following sequences: Math 2413, 2414, 2415, and 2418; or 2417, 2419, 2451, and 2418. In both sequences Math 2418 can be substituted with Stat 2332.
B.S.	Geosciences - Geology	Either Math 2413 or 2417, and either 2414 or 2419, and one of the following: Geos 5306 (with permission), Math 2418, 2451, or Phys 3330
B.S.	Geosciences - Geophysics	Either Math 2413 or 2417, and either 2414 or 2419, 2420, 2451, and 4362
B.S.	Mathematics	Math 2417 and beyond. See course catalog for details.
B.S.	Molecular Biology	Math 2417, 2419, and 2418
B.S.	Molecular Biology and Healthcare Management	Math 2417, 2419, and one of the following: 2418, 2333, Cs 2305, or Opre 3333.* One of the following is also required: Stat 3360, 2332, or Opre 3360.
B.A./B.S.	Physics	Either Math 2413 or 2417, and either 2414 or 2419, and either 2415 or 2451, 2418, and 2420

* May substitute Math 2413 and Math 2414 for Math 2417 and Math 2419.

** May substitute Math 2418 with Opre 3333 or Cs 2305.

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University-Wide Core Math Requirement - 3 hours selected from the following: Math 1319, 1320, 1411, 1508,* 2301, 2326, Stat 1380, or Stat 2480.

Course Guide

Math 1319 Math in the Modern World (Math 1333)	Math 3325 Principles of Mathematics
Math 1312 Calculus II (Math 2414)	Math 3335 Applied Analysis I
Math 1320 Math for Social Sciences 1 (Math 1324)	Math 4302 Fund Math Concepts Grades 4-8
Math 1411 Calculus I (Math 2413)	Math 4329 Numerical Analysis
Math 1508 Precalculus (Math 2412) *	Math 4336 Applied Analysis II
Math 2300 Discrete Mathematics	Biol 1107 Topics in Study of Life
Math 2301 Math for Social Sciences II (Math 1325)	Biol 1306 Organismal Biology
Math 2303 Number Concepts	Clsc 2212 Clinical Laboratory Statistics
Math 2304 Geometry & Measurement	Ee 3384 Probabilistic Methods-Engineering/Science
Math 2313 Calculus III (Math 2315)	Phys 3351 Analytic Mechanic I
Math 2326 Differential Equations (Math 2320)	Phys 3360 Comput. Methods for Physical Problems
Math 3300 History of Mathematics	Phys 4348 Fundamentals of Acoustics
Math 3303 Fundamentals of Num. Theory Adv. Stndpt.	Psyc 1303 Statistical Methods
Math 3304 Fundamentals/Geometry Standpoint	Pysc 4317 Advanced Statistics
Math 3305 Proportion and Algebra	Qmb 2301 Fundamentals of Business Statistics
Math 3308 Proportional & Algebraic Reasoning I	Soci 2312 Measure/Inference-Social Research
Math 3309 Proportional & Algebraic Reasoning II	Stat 1380 Descriptive and Inferential Statistics (Math 1342)
Math 3323 Matrix Algebra	Stat 2480 Elementary Statistical Methods

Degree		Major	Math Requirements
College of Business			
B.B.A.	Accounting		Either Math 1320 or 1411 or 1508, and either 2301 or 1411, and Qmb 2301. Math 1320 and 2301 are recommended.
B.A.	Economics		Math 1320 (or higher level calculus), 2301 and one Stat or Qmb course
B.B.A.	Economics		Either Math 1320 or 1411 or 1508, and either 2301 or 1411, and Qmb 2301. Math 1320 and 2301 are recommended.
B.B.A.	Finance		Either Math 1320 or 1411 or 1508, and either 2301 or 1411, and Qmb 2301. Math 1320 and 2301 are recommended.
B.B.A.	General Business		Either Math 1320 or 1411 or 1508, and either 2301 or 1411, and Qmb 2301. Math 1320 and 2301 are recommended.
B.B.A.	Information Systems		Either Math 1320 or 1411 or 1508, and either 2301 or 1411, and Qmb 2301. Math 1320 and 2301 are recommended.
B.B.A.	Management		Either Math 1320 or 1411 or 1508, and either 2301 or 1411, and Qmb 2301. Math 1320 and 2301 are recommended.
B.B.A.	Marketing		Either Math 1320 or 1411 or 1508, and either 2301 or 1411, and Qmb 2301. Math 1320 and 2301 are recommended.
B.B.A.	Operations and Supply Chain Management		Either Math 1320 or 1411 or 1508, and either 2301 or 1411, and Qmb 2301. Math 1320 and 2301 are recommended.
College of Education			
B.I.S.	Interdisciplinary Studies - PK-12 Special Education		Math 2303, 2304, Stat 1380, and either Math 3305 or 3308
B.I.S.	Interdisciplinary Studies - EC-6 Generalist		Math 2303, 2304, 3305, and Stat 1380
B.I.S.	Interdisciplinary Studies - EC-6 Bilingual Generalist		Math 2303, 2304, 3305, and Stat 1380
B.I.S.	Interdisciplinary Studies - EC-6 Bilingual Gen. (Headstart)		Math 2303, 2304, 3305, and Stat 1380
B.I.S.	Interdisciplinary Studies - 4-8 Generalist		Math 2303, 2304, 3308, and Stat 1380
B.I.S.	Interdisciplinary Studies - 4-8 Bilingual Gen.		Math 2303, 2304, 3308, 3309, and Stat 1380
B.I.S.	Interdisciplinary Studies - 4-8 Eng Lang Arts and Reading		Math 2303, 2304, and Stat 1380
B.I.S.	Interdisciplinary Studies - 4-8 English Language, Reading		Math 2303, 2304, and Stat 1380
B.I.S.	Interdisciplinary Studies - 4-8 Math		Math 1508 and beyond. See catalog for details.
B.I.S.	Interdisciplinary Studies - 4-8 Math & Science		Math 1411, 2303, 2304, 3308, 4302, Stat 1380, and one of the following: Math 3300, 3303, or 3304
College of Engineering			
B.S.	Civil Engineering		Math 1411, 1312, 2313, and 2326

B.C.C.S.	Computer Science	Math 1411, 1312, 2300, 3323, 4329, and either Stat 3320 or 3330 or Ee 3384
B.S.	Construction Engineering and Management	Math 1411, 1312, and 2313
B.S.	Electrical Engineering	Math 1411, 1312, 2313, 2326, and 3323
B.S.	Engineering Leadership	Math 1411, 1312, 2313, and 2326
B.S.	Industrial Engineering	Math 1411, 1312, 2313, 2326, 3323, and 4329
B.S.	Mechanical Engineering	Math 1411, 1312, 2313, and one of the following: Math 2325, 2326, 3323, 3325, Biol 1306, Phys, 3351, or Phys 4348
B.S.	Metallurgical and Materials Engineering	Math 1411, 1312, 2313, and 2326
College of Health Sciences		
B.S.	Clinical Lab Science	Math 1411 and Clsc 2212
B.S.	Health Promotion	Either Math 1320 or 1411 or 1508, and Pysc 1303. Math 1320 recommended.
B.S.	Kinesiology	Either Math 1320 or 1411 or 1508. Selecting Math 1508 also requires taking Biol 1107. Math 1320 is recommended.
B.S.W.	Social Work	Either Math 1320 or 1411 or 1508, and one of the following: Pysc 1303, Soci 2312, Stat 1380, or 2480. Math 1320 and Pysc 1303 are recommended.
College of Liberal Arts		
B.A.	Anthropology	Only Core Math
B.A./B.F.A.	Art	Only Core Math
B.A.	Art History	Only Core Math
B.A.	Chicano Studies	Only Core Math
B.A.	Communication Studies	Only Core Math
B.A.	Creative Writing	Only Core Math
B.A.	Criminal Justice	Math 1320
B.F.A./B.A.	Dance	Only Core Math
B.A.	Digital Media Production	Only Core Math
B.A.	English	Only Core Math
B.A.	English and American Literature	Only Core Math
B.A.	French	Only Core Math
B.A.	History	Only Core Math
B.A.	Linguistics	Only Core Math
B.A.	Media Advertising	Only Core Math
B.M.S.	Multidisciplinary Studies	Only Core Math
B.A.	Multimedia Journalism	Only Core Math
B.M.	Music	Only Core Math
B.F.A.	Music Theatre	Only Core Math
B.A.	Organizational & Corporate Communication	Only Core Math
B.A.	Philosophy	Only Core Math
B.A.	Political Science	Only Core Math
B.A./B.S.	Psychology	For B.A., either Math 1320 or 1508 or 1411 or higher level calculus or Stat 1380, and Pysc 1303. For B.S., Math 1411, 1312, Pysc 1303, and Pysc 4317.
B.A.	Sociology	Only Core Math
B.A.	Spanish	Only Core Math
B.F.A.	Studio Art	Only Core Math
B.F.A.	Theatre	Only Core Math
B.A.	Theatre Arts	Only Core Math
B.A.	Women's and Gender Studies	Only Core Math
School of Nursing		
B.S.N.	Nursing	Math 1320 or higher

College of Science		
B.S.	Biochemistry	Math 1411, 1312, and 2313
B.A.	Biological Sciences	Math 1411 and one of the following: 1312, Stat 2182, 2380, 2381, or 2480
B.S.	Biological Sciences	Select one of the following: Math 1411, 1312, Stat 2480, 2182, 2380, or 2381
B.S.	Cellular and Molecular Biochemistry	Math 1411 and either 1312 or Stat 2480
B.A./B.S.	Chemistry	Math 1411 and 1312. B.S. also requires Math 2313.
B.S.	Environmental Science - Biology	Math 1411 and Stat 2480
B.S.	Environmental Science - Geoscience	Math 1411 and Stat 2480
B.S.	Environmental Science - Chemistry	Math 1411, 1312, and 2313 and Stat 2480
B.S.	Environmental Science - Hydroscience	Math 1411, 1312, and 2326
B.S.	Environmental Science - Teacher Certification	Stat 2480
B.S.	Forensic Science	Math 1411, 2313, and Stat 2480. Chemistry concentration also requires Math 1312.
B.A./B.S.	Geological Sciences	For B.A., Math 1508. For B.S., Math 1411 and 1312.
B.S.	Geophysics	Math 1312, 1411, 2313, 2326, and 4336
B.S.	Mathematics	Math 1411 and beyond. See catalog for details.
B.S.	Microbiology	Math 1411 and either Math 1312 or Stat 2480
B.S.	Physics	Math 1411, 1312, 2313, 2326, 3323, and two of the following: 3335, 4329, 4336, or Phys 3360
B.S.	Physics - Applied Physics	Math 1411, 1312, 2313, 2326, 3323, and two of the following: 3335, 4329, or 4336
B.S.	Physics - Atmospheric Physics	Math 1411, 1312, 2313, 2326, 3323, and two of the following: 3335, 4329, or 4336
B.S.	Physics - Medical Physics	Math 1411, 1312, 2313, 2326, 3323, and two of the following: 3335, 4329, or 4336
B.S.	Physics - Pre-Med	Math 1411, 1312, 2313, 2326, and 3335
B.S.	Physics - Teacher Certification	Math 1411, 1312, 2313, 2326, 3323, and two of the following: 3335, 4329, 4336, or Phys 3360

* Math 1508 core requirement can be satisfied with Math 1314 or higher level calculus.

University of Texas at Permian Basin

University-Wide Core Math Requirement - 3 or 4 hours selected from the following: Math 1314, 1324, 1332, 2412, or 2413. In addition, the following courses are accepted for transfer: Math 1314, 1316, 1324, 1325, 1332, 1333, 1350, and 2412.

Course Guide

Math 1314 College Algebra	Math 2415 Calculus III
Math 1324 Applications to Discrete Mathematics	Math 3301 Statistics
Math 1325 Applications to Continuous Math	Math 3305 Mathematical Reasoning
Math 1332 Contemporary Mathematics	Math 3310 Linear Algebra
Math 1333 Contemporary Mathematics II	Math 3320 Differential Equations
Math 1350 Foundations of Elementary Math I	Crim 3360 Intro Statistics for Criminology
Math 2350 Foundations of Elementary Math II	Mngt 2342 Principles of Statistics
Math 2412 Precalculus	Psyc 3301 Introductory Statistics
Math 2413 Calculus I	Soci 3317 Introduction to Statistics
Math 2414 Calculus II	

Degree		Major	Math Requirements
College of Business and Engineering			
B.B.A.	Accountancy		Either Math 1324 and 1325, or 2412 and 2413. Also requires Mngt 2342.
B.A.	Economics		Either Math 1324 and 1325, or 2412 and 2413. Also requires Mngt 2342.
B.B.A.	Finance		Either Math 1324 and 1325, or 2412 and 2413. Also requires Mngt 2342.
B.A.A.S/B.S.	Industrial Technology		Math 1324, 1325, and Mngt 2342
B.B.A.	Management		Either Math 1324 and 1325, or 2412 and 2413. Also requires Mngt 2342.
B.B.A.	Marketing		Either Math 1324 and 1325, or 2412 and 2413. Also requires Mngt 2342.
B.S.	Mechanical Engineering		Math 2413, 2414, 2415, 3301, 3310, and 3320
B.S.	Petroleum Engineering		Math 2413, 2414, 2415, 3301, and 3320
College of Arts and Sciences			
B.A.A.S.	Applied Arts and Sciences		Only Core Math
B.A./B.F.A.	Art		Only Core Math
B.S.	Athletic Training		Only Core Math
B.S.	Biology		Math 2413 and 2414. Pre-professional also requires statistics (Math 3301 recommended).
B.S.	Biology - 4-8 Teacher Certification		Math 1314, 1350, 2350 and either 2412 or Psyc 3301
B.S.	Biology - 7-12 Teacher Certification		Math 2413 and 2414. Students whose minor is in a program outside of the Department of Science and Mathematics may take Math 1332 and either Math 1333 or 2412 instead.
B.S.	Chemistry		Math 2412 and 2413. Biochemistry track also requires Math 3301. Nuclear Chemistry track also requires Math 2414, 2415, and 3320

B.A.	Child and Family Studies	Only Core Math
B.S.	Clinical Laboratory Science	Math 1314 or above
B.A.	Communication Studies	Only Core Math
B.S.	Computer Science	Math 2412, 2413, 2414, 3301, and 3305
B.S.	Criminal Justice (online)	Only Core Math
B.A.	Criminology	Core Math and Crim 3360
B.A.	English	Select one of the following: Math 1314, 1324, 1332, or 2412
B.S.	Geology	Math 2413 and either Psyc 3301 or Soci 3317 or other approved statistics course
	Geology - Paleontology	Math 2412 and either Psyc 3301 or Soci 3317 or other approved statistics course
	Geology - Petroleum	Math 2413, either Psy 3301 or Soci 3317 or other approved statistics course, and select from one of the following: Math 1314, 1324, 1332, or 2412
B.S.	Geology - Pre-Professional	Math 2413, either Psy 3301 or Soci 3317 or other approved statistics course, and select from one of the following: Math 1314, 1324, 1332, or 2412
B.A.	History	Only Core Math
B.A.	Humanities	Only Core Math
B.S.	Information Systems	Either Math 1324 or 2413, and either 1325 or 2414
B.S.	Kinesiology	Only Core Math
B.A.	Leadership Studies	Only Core Math
B.S.	Mathematics	Math 2413 and beyond. See catalog p. 258 for details.
B.A.	Music	Only Core Math
B.A.	Political Science	Only Core Math
B.A.	Psychology	Core Math and Psyc 330
B.S.W.	Social Work	Core Math and either Psyc 3301 or Soci 3317
B.A.	Sociology	Math 1314 and Soci 3317
B.A.	Spanish	Only Core Math
College of Education		
B.A.	Multidisciplinary Studies	Core Math, 1350, and 2350
College of Nursing		
B.S.N.	Nursing	Math 1314 and Psyc 3301

University of Texas at Rio Grande Valley

University-Wide Core Math Requirement - 3 hours of Math from one of the following: Math 1314, 1414, 1324, 1325, 1332, 1333, 1342, 1343, 1387, 1388, 2412, 2413 or 2487.

Course Guide

Math 1314/1414 College Algebra	Math 3341 Differential Equations
Math 1324 Math for Business and Social Sciences	Math 3343 Introduction to Mathematical Software
Math 1325 Calculus for Business and Social Science	Math 3350 Introduction to Mathematical Proof
Math 1332 Contemporary Mathematics	Math 3352 Modern Geometry I
Math 1333 Mathematics for Art and Music	Math 3361 Applied Discrete Mathematics
Math 1342 Elementary Statistical Methods	Math 3363 Modern Algebra 1
Math 1343 Introduction to Biostatistic	Math 4337 Probability and Statistics I
Math 1350 Fundamentals of Mathematics I	Crij 3305 Statistical Applications in Criminal Justice
Math 1351 Fundamentals of Mathematics II	Elee 3340 Probability and Statistics for Electrical Engineers
Math 1387 Elementary Statistical Methods (Honors)	Mane 2332 Engineering Statistics
Math 1388 Intro to Biostatistics (Honors)	Mate 3317 Perspectives in Math and Science (Phil 3317)
Math 2318 Linear Algebra	Pols 2370 Introductory Statistics for Political Science
Math 2346 Mathematics for Elec. And Comp. Engineers	Psyc 2401 Basic Statistics for Psychologists
Math 2412 Pre-Calculus	Qumt 2341 Business Statistics I*
Math 2413 Calculus I	Qumt 3341 Business Statistics II
Math 2414 Calculus II (2488 Honors)	Qumt 4343 Quantitative Methods for Decision-Making in Business
Math 2415 Calculus III	Soci 2305 Introduction to Social Research
Math 2487 Calculus I Honors	Soci 3301 Statistics for the Behavioral Sciences
Math 3331 Applied Statistics 1	

Degree		Major	Math Requirements
College of Business and Entrepreneurship			
B.B.A.	Accounting		Core Math, Qumt 2341, and 3341*
B.A.	Economics		Core Math and one of the following: Math 1342, 1387, Qumt 2341, or Soci 2305 *
B.B.A.	Economics		Core Math, Qumt 2341, and 3341*
B.B.A.	Finance		Core Math, Qumt 2341, and 3341*
B.B.A.	Information Systems		Math 1314, Qumt 2341, 3341, and 4343*
B.B.A.	International Business		Core Math, Qumt 2341, and 3341*
B.B.A.	Management		Core Math, Qumt 2341, and 3341*
B.B.A.	Marketing		Core Math, Qumt 2341, and 3341*
B.B.A.	Materials Management & Logistics		Math 1325 and Qumt 2341*
College of Education and P-16 Integration			
B.S.	Early Care and Early Childhood Studies		Only Core Math
B.I.S.	Elementary Education - EC-6/EC-12 Certification		Math 1314 or higher, Math 1350, and 1351
College of Engineering and Computer Science			
B.S.	Civil Engineering		Either Math 2413 or 2487, and either 2414 or 2488, and Mane 2332
B.S.	Computational Science		Math 2318, either 2413 or 2487, and either 2414 or 2488, and 3331. Computational Physics also requires Math 2415 and 3341. Computational Mathematics also requires Math 2415, 3341, 3350, 3352, 3363, and 6 hours of advanced math electives. Business Informatics requires Qumt 3343. Computational Engineering Physics also requires Math 3341.
B.S.C.E.	Computer Engineering		Either Math 2413 or 2487, and either Math 2414 or 2488, Math 2346, 3341, and 4337
B.A.T.	Computer Information Systems Technology		Either Math 2413 or 2487, and 3331
B.S.C.S.	Computer Science		Either Math 2413 or 2487, and either 2414 or 2488, 2318, and either 4337 or 3331 or Elee 3340
B.S.E.E.	Electrical Engineering		Either Math 2413 or 2487, and either 2414 or 2488, 2415, 2346, 3341, and Elee 3340

B.S.	Engineering Physics	Either Math 2413 or 2487, and either 2414 or 2488, 2415, and 3341. Computer Engineering concentration requires Math 3331.
B.S.	Engineering Technology	Math 1314, 2412, and either 1342 or 1387, and either Math 2413 or 2487
B.S.M.S.F.G.E.	Manufacturing Engineering	Either Math 2413 or 2487, and either 2414 or 2488, 2415, 3341, and Mane 2332
B.S.M.E.	Mechanical Engineering	Either Math 2413 or 2487, and either 2414 or 2488, and Mane 2332
College of Fine Arts		
B.F.A.	Art - Graphic Design	Only Core Math
B.A.	Art - Latin American History	Only Core Math
B.F.A.	Art - Studio Art	Only Core Math
B.A.	Art - Teacher Certification	Only Core Math
B.A.	Art - Visual	Only Core Math
B.A.	Dance - Teacher Certification	Only Core Math
B.A.	Dance	Only Core Math
B.M.	Music - Teacher Certification	Only Core Math
B.M.	Performance	Only Core Math
B.A.	Theater - Teacher Certification	Only Core Math
B.A.	Theater	Only Core Math
College of Health Affairs		
B.S.	Biomedical Sciences	Either Math 1342 or 1387, and either 2413 or 2487, and 3331
B.S.	Clinical Laboratory Science	Either Math 1342 or 1387
B.S.	Communication Sciences and Disorders	Math 1314 and 2334
B.S.	Dietetics	Either Math 1342 or 1387, and either 1343 or 1388
B.S.	Exercise Science	For Physical Therapy concentration, select one of the following: Math 1342, 1387, 1343, 1388, or Psyc 2401. Occupational Therapy concentration requires either Math 1343 or 1388.
B.S.	Health - Teacher Certification	Either Math 1342 or 1387
B.S.	Health	Either Math 1342 or 1387
B.A.T.	Health Services Technology	Only Core Math
B.S.	Kinesiology - Teacher Certification	Math 1314
B.S.	Kinesiology	Math 1314
B.S.N.	Nursing	Either Math 1342 or 1343 or 1388
B.S.	Rehabilitation Services	Only Core Math
B.S.W.	Social Work	Either Math 1314 or 1324 or above
College of Liberal Arts		
B.A.	Anthropology	Only Core Math
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.A.	Communication Studies	Only Core Math
B.A.	Communication Studies - Teacher Certification	Only Core Math
B.S.C.J.	Criminology and Criminal Justice	Only Core Math
B.S.C.J.	Criminal Justice	Core Math (except Math 1332) and Crij 3305
B.A.	English	Only Core Math
B.A.	English - Teacher Certification	Only Core Math
B.A.	History	Only Core Math
B.A.	History - Teacher Certification	Only Core Math
B.A.	Mass Communication	Only Core Math
B.A.	Mass Communication - Teacher Certification	Only Core Math
B.A.	Mexican American Studies	Only Core Math
B.M.S.	Multidisciplinary Studies	Only Core Math
B.A.	Philosophy	Only Core Math

B.A.	Political Science	Math 1314 and Pols 2370
B.A.	Psychology	Core Math and Psys 2401
B.S.	Psychology	Core Math and Psys 2401
B.A.	Social Studies Composite	Only Core Math
B.A.	Social Studies Composite - Teacher Certification	Only Core Math
B.A.	Sociology	Core Math and Soci 3301
B.A.	Spanish	Only Core Math
B.A.	Spanish - Teacher Certification	Only Core Math
B.A.	Spanish Translation and Interpreting	Only Core Math
College of Science		
B.S.	Biology - Biological Sciences	Select one of the following: Math 1342, 1387, 1343 or 1388
B.S.	Biology - UTeach Certification	Either Math 2413 or 2487
B.S.	Chemistry	Either Math 2413 or 2487, and either 2414 or 2488, and 3341
B.S.	Chemistry - UTeach Certification	Either Math 2413 or 2487, and either 2414 or 2488
B.S.	Environmental Science	Either Math 1342 or 1387, and either 2413 or 2487
B.I.S.	Life Science - UTeach Certification	Either Math 2413 or 2487
B.S.	Marine Biology	Either Math 1343 or 1388
B.S.	Mathematics	Math 2413 and beyond. See course catalog p. 615 for details.
B.S.	Mathematics - UTeach Certification Concentration	Math 2413 and beyond. See course catalog p. 615 for details.
B.I.S.	Mathematics Middle School - UTeach Certification	Math 1350, 1351, 2412, and 2413
B.S.	Physical Science - UTeach Certification	Either Math 2413 or 2487, and either 2414 or 2488, and either Mate 3317 or Phil 3317, and Math 2415
B.S.	Physics	Either Math 2413 or 2487, and either 2414 or 2488, 2415, and 3341
B.S.	Physics - Uteach Certification Concentration	Either Math 2413 or 2487, and either 2414 or 2488, 2415, and 3341. Educational Physics concentration also requires Math 2318, 3352, 3343, 3361, and 4337.

* Prerequisite for Qumt 2341, choose from the following: Math 1314, 1414, 1324, or 1325.

**University of Texas
at San Antonio**

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1023, 1033, 1043, 1073, 1093, 1193, 1214, or Sta 1053.

Course Guide	
Math 1023 College Algebra (Math 1314)	Math 3613 Differential Equations I
Math 1033 Algebra w/ Calculus for Business (Math 1325)	Egr 1324 Calculus II for Engineers
Math 1043 Introduction to Mathematics (Math 1332)	Es 1314 Environmental Statistics
Math 1073 Algebra for Scientists & Engineers (Math 1314)	Ms 1023/3043 Business Statistics I & II
Math 1093 Precalculus (Math 2312)	Psyc 2073 Statistics for Psychology
Math 1153 Essential Elements in Math I (Math 1350)	Sta 1053 Basic Statistics (Math 1342)
Math 1163 Essential Elements in Math II (Math 1351)	Sta 1403 Prob & Stats for Biosciences (Math 2342)
Math 1193 Calculus for the Biosciences (Math 2313)	Sta 2303 Applied Prob & Stats for Engineers
Math 1214 Calculus I (Math 2413)	Sta 3003 Applied Statistics
Math 1224 Calculus II (Math 2414)	Sta 3513 Probability and Statistics
Math 2214 Calculus III (Math 2415)	Sta 3523 Mathematical Statistics
Math 2233 Linear Algebra (Math 2318)	Sta 4133 Intro to Programming and Data Management
Math 3103 Data Analysis and Interpretation	Sta 4713 Applied Regression Analysis
Math 3123 Fundamentals of Geometry	Sta 4753 Time-Series Analysis

Degree	Major	Math Requirements
College of Architecture		
B.S.	Architecture	Select one of the following: Math 1023, 1033, 1073, or 1093
B.S.	Construction Science and Management	Either Math 1033 or 1073, and Sta 1053
B.S.	Interior Design	Select one of the following: Math 1023, 1033, 1073, or 1093
College of Business		
B.B.A.	Accounting	Math 1033, Ms 1023, and 3043
B.B.A.	Actuarial Science	Math 1214, 1224, 2214, Sta 3523, 4133, 4713, and 4753
B.B.A.	Cyber Security	Math 1033, Ms 1023, and 3043
B.A.	Economics	Math 1033, Ms 1032, and 3043
B.B.A.	Economics	Math 1033, Ms 1023, and 3043
B.B.A.	Entrepreneurship	Math 1033, Ms 1023, and 3043
B.B.A.	Finance	Math 1033, Ms 1023, and 3043
B.B.A.	General Business	Math 1033, Ms 1023, and 3043
B.B.A.	Human Resource Management	Math 1033, Ms 1023, and 3043
B.B.A.	Information Systems	Math 1033, Ms 1023, and 3043
B.B.A.	Management	Math 1033, Ms 1023, and 3043
B.B.A.	Management Science	Math 1033, Ms 1023, and 3043
B.S.	Marketing	Math 1033, Ms 1023, and 3043
B.B.A.	Real Estate Finance and Development	Math 1033, Ms 1023, and 3043
B.B.A.	Sport, Event and Tourism Marketing	Math 1033, Ms 1023, and 3043
B.S.	Statistics	Math 1214, 1224, 2214 and 2233. Stat 3003 and beyond. See course catalog for details.
College of Education and Human Development		
B.S.	Health	Sta 1053 and Math 1023
B.A.A.S.	Infancy and Childhood Studies	Only Core Math
B.A.	Interdisciplinary Studies - Non-certification	Math 1023, 1153, and 1163
B.A.	Interdisciplinary Studies - EC-6 Bilingual Generalist	Math 1023, 1153, and 1163
B.A.	Interdisciplinary Studies - 4-8 Bilingual Generalist	Math 1023, 1093, 1153, 1163, and 1214
B.A.	Interdisciplinary Studies - EC-6 ESL Generalist	Core Math (1023 recommended), 1153, and 1163

B.A.	Interdisciplinary Studies - 4-8 ESL	Core Math (1023 recommended), 1153, and 1163
B.A.	Interdisciplinary Studies - EC-6 Generatlist	Math 1023, 1153, and 1163
B.A.	Interdisciplinary Studies - 4-8 Generatlist	Math 1023, 1153, and 1163
B.A.	Interdisciplinary Studies - 4-8 ELA/Reading/SS	Math 1023, 1153, and 1163
B.A.	Interdisciplinary Studies - 4-8 Math/Science	Math 1023, 1093, 1214, 3103, and 3123
B.A.	Interdisciplinary Studies - EC-12 Special Education	Math 1023, 1153, and 1163
B.S.	Kinesiology (Athletic Medicine)	Math 1073 and Sta 1053
B.S.	Kinesiology (Exercise Science)	Either Math 1023 or 1073, and Sta 1053
B.S.	Kinesiology (Physical Education)	Sta 1053
B.A.	Mexican American Studies	Only Core Math
B.A.	Multicultural Early Childhood Development	Math 1043
B.S.	Nutrition and Dietetics	Math 1073 and Sta 1053
B.S.	Public Health - Health Promotion and Behavioral Science	Sta 1053
B.A.	Women's Studies	Only Core Math
College of Engineering		
B.S.	Biomedical Engineering	Math 1214, either 1224 or Egr 1324, and Sta 1403
B.S.	Civil Engineering	Math 1214, either 1224 or Egr 1324, and Sta 2303
B.S.	Computer Engineering	Math 1214 and either 1224 or Egr 1324
B.S.	Electrical Engineering	Math 1214 and either 1224 or Egr 1324
B.S.	Mechanical Engineering	Math 1214 and either 1224 or Egr 1324
College of Liberal and Fine Arts		
B.A.	American Studies	Only Core Math
B.A.	Anthropology	Only Core Math
B.A./B.F.A.	Art	Only Core Math
B.A.	Art History and Criticism	Only Core Math
B.A.	Classical Studies and Humanities	Only Core Math
B.A.	Communication	Only Core Math
B.A.	English	Only Core Math
B.A.	Geography	Only Core Math
B.A.	Global Affairs	Only Core Math
B.A.	History	Only Core Math
B.A.	Medical Humanities	Math 1073 and Sta 1053
B.A.	Modern Language Studies	Only Core Math
B.M./B.A.	Music	Only Core Math
B.A.	Philosophy	Only Core Math
B.A.	Political Science	Only Core Math
B.A.	Psychology	Psy 2073 and one of the following: Math 1023, 1033, 1073, or Stat 1053
B.S.	Public Health - Epidemiology and Disease Control	Sta 1053
B.A.	Sociology	Only Core Math
B.A.	Spanish	Only Core Math
College Public Policy		
B.A.	Criminal Justice	Only Core Math
B.P.A.	Public Administration	Only Core Math
College of Sciences		
B.S.	Biochemistry	Math 1214 and 1224
B.S.	Biology	Math 1193 and Sta 1403
B.S./B.A.	Chemistry	Math 1214 and 1224. B.S. also requires Stat 1053.

B.S.	Computer Science	Math 1214 and 1224
B.S.	Environmental Science	Math 1193, 1214 and Es 1314
B.S./B.A.	Geology	Math 1214. B.S. degree also requires Math 1224.
B.S.	Mathematics	Math 1214 and beyond. See course catalog for details.
B.S.	Microbiology and Immunology	Math 1193 and Sta 1403
B.S.	Multidisciplinary Science	Math 1093 and Sta 1053
B.S./B.A.	Physics	Math 1214, 1224, and 2214. B.S. degree also requires Math 2233 and 3613.
University College		
B.A.	Multidisciplinary Studies	Only Core Math

University of Texas at Tyler

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1316, 1324, 1325, 1332, 1333, 1342, 1343, 1350, 2312, 2413, 2414, or Hnrs 2413 or 2414.

Course Guide

Math 1314 College Algebra	Math 2312 Precalculus
Math 1316 Trigonometry	Math 2413 Calculus I
Math 1324 Mathematics for Busi. and Econ.	Math 2414 Calculus II
Math 1325 Mathematics for Busi. and Econ. II	Math 3203 Matrix Methods in Sci. & Eng.
Math 1332 Math for Liberal Arts Majors I	Math 3305 Ordinary Differential Equations
Math 1333 Math for Liberal Arts Majors II	Math 3315 Linear Algebra and Matrix Theory
Math 1342 Statistics I	Math 3351 Probability & Statistics for Eng.
Math 1343 Statistics II	Math 3404 Multivariate Calculus
Math 1350 Concepts of Modern Math I	Chem 3310/3111 Analytical Chemistry
Math 1351 Concepts of Modern Math II	Hnrs 2413 Calculus I Honors
Math 2330 Discrete Structures	Hnrs 2414 Calculus II Honors

Degree		Major	Math Requirements
College of Arts and Sciences			
B.F.A./B.A.	Art		Only Core Math
B.A.	Art History		Only Core Math
B.S.	Biology		Math 2413 and either 1342 or Chem 3310/3111. Teacher Certification also requires Math 2414.
B.S.	Chemistry		Math 2413, 2414, 3203, and 3404
B.S.	Chemistry - Biochemistry		Math 2413, 2414, and 3404
B.S.	Chemistry - Teacher Certification		Math 2413
B.S.	Criminal Justice		Only Core Math
B.S./B.A.	Economics		Either Math 1314 or 1324, Math 1342, and 1325
B.A.	English		Only Core Math
B.A./B.S.	History		Only Core Math
B.S.	Life Science or Science Teacher Certification		Math 2413, 2414, and either Math 1342 or Chem 3310/3111
B.A./B.S.	Mass Communication		Only Core Math
B.S.	Mathematics		Math 2413 and beyond. See course catalog for details.
B.A./B.M	Music		Only Core Math
B.A./B.S.	Political Science		Only Core Math
B.S./B.A.	Social Sciences		Only Core Math
B.A.	Spanish		Only Core Math

B.A./B.S.	Speech Communication	Only Core Math
College of Business and Technology		
B.B.A.	Accounting	Math 1342, and either 1332 or 1343
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.S.	Computer Science	Math 2330, 2413, 2414, 3203, and 3351
B.S.	Computer Information Systems	Math 1342 and 1343
B.B.A.	Finance	Math 1342, and either 1332 or 1343
B.S.	General Business	Math 1314 and 1342
B.S.	Human Resource Development	Math 1342
B.S.	Industrial Technology	Math 1342
B.S.	Information Technology	Core Math Only
B.S.	Information Technology - Architecture	Math 2413
B.S.	Information Technology - Cybersecurity	Core Math Only
B.S.	Information Technology - Data Analytics	Math 1342 and 1343
B.S.	Information Technology - Data Management	Math 2413
B.S.	Information Technology - Programming	Math 2413 and 2330
B.B.A.	Management	Math 1342, and either 1332 or 1343
B.B.A.	Marketing	Math 1342, and either 1332 or 1343
College of Education and Psychology		
B.S.I.S.	Interdisciplinary Studies - EC-6/SPED/ESL	Math 1314, 1350, and 1351
B.S.I.S.	Interdisciplinary Studies - 4-8 Math	Math 1314 and beyond. See course catalog for details.
B.S.I.S.	Interdisciplinary Studies - 4-8 Science	Math 1314, 1342, 1350, and 1351
B.A./B.S.	Psychology	Only Core Math
College of Engineering and Computer Science		
B.S.	Civil Engineering	Math 2413, 2414, 3404, 3305, and 3351
B.S.	Construction Management	Math 1324, 1342, and 2312
B.S.	Electrical Engineering	Math 2413, 2414, either 3203 or 3315, 3305, 3351, and 3404
B.S.	Mechanical Engineering	Math 2413, 2414, either 3203 or 3315, 3305, 3351, and 3404
College of Nursing and Health Sciences		
B.S.	Health Studies	Only Core Math
B.S.	Kinesiology	Only Core Math
B.A.	Health and Kinesiology	Only Core Math
B.S.N.	Nursing	Math 1342

West Texas A&M University

University-Wide Core Math Requirement - 3 hours selected from the following: Math 1314, 1316, 1324, 1325, 1332, 1350, 2412, 2413, or higher.

Course Guide

Math 1314 College Algebra	Math 3340 Calculus III (Math 2315)
Math 1316 Plane Trigonometry	Math 3342 Differential Equations I (Math 2320)
Math 1324 Math for Business and Economics I	Math 4361 Statistics for the Sciences
Math 1325 Math for Business and Economics II	Agri 3318 Agricultural Statistics
Math 1332 Mathematics for Liberal Arts	Biol 4416 Introductory Biometry
Math 1348 Precalculus	Cidm 2342 Statistics for Business and Economics
Math 1350 Fundamentals of Math I	Crij 3362 Statistics for the Social Sciences**
Math 1351 Fundamentals of Math II	Nurs 3304 Elementary Biostatistics in Health Care Research**
Math 2321 Discrete Structures I	Posc 3362 Statistics for the Social Sciences**
Math 2322 Discrete Structures II	Psyc 3310 Introduction to Statistics
Math 2412 Precalculus Math	Soci 3362 Statistics for the Social Sciences**
Math 2413 Calculus I	Socw 3362 Statistics for the Social Sciences**
Math 2414 Calculus II	

Degree	Major	Math Requirements
College of Agriculture and Natural Sciences		
B.S.	Agribusiness	Either Math 1314 or 1324, and Agri 3318
B.S.	Agribusiness - Equine Industry and Business	Either Math 1314 or 1324, and Agri 3318. Math 1324 recommended.
B.S.	Agriculture	Either Math 1314 or 1324, and Agri 3318
B.S.	Agricultural Business and Economics	Either Math 1314 or 1324, and Agri 3318
B.S.	Agricultural Media and Communication	Either Math 1314 or 1324, and Agri 3318
B.S.	Agriculture Science and Technology - 6-12 Teacher Certification	Either Math 1314 or 1324, and Agri 3318
B.S.	Animal Science	Math 1314 and Agri 3318
B.A./B.S.	Biology	Either Math 1314 or 1316 or 2412*
B.S.	Biotechnology	Math 2413, and either Agri 3318 or Biol 4416
B.A./B.S.	Chemistry - Professional Chemistry	Math 2413, 2414, 3340, and select one of the following: 1314, 1316, 1324, or 2412*
B.A./B.S.	Chemistry - General Chemistry	Math 2413, 2414, and select one of the following: 1314, 1316, 1324, or 2412
B.A./B.S.	Chemistry - Biochemistry	Math 2413 and select one of the following: 1314, 1316, 1324, or 2412
B.S.	Computer Science - Enterprise Systems	Math 2321, 2322, 2413, 2414, and 6 hours of upper-level mathematics
B.S.	Computer Science - Mechanical Engineering	Math 2321, 2322, 2413, 2414, 3340, and 3342
B.S.	Computer Science - Software Engineering	Math 2321, 2322, 2413, 2414, and 6 hours of upper-level mathematics

B.S.	Civil Engineering	Math 2413, 2414, 3340, 3342, and 3 hours of upper-level mathematics or physics electives
B.S.	Engineering Technology - Renewable Energy	Either Math 1316 or 2412, and 2413. Three hours of math elective required if Math 1316 is taken for Core.
B.S.	Engineering Technology - Distribution	Either Math 1314 or 1324, and 1325
B.S.	Environmental Engineering	Math 2413, 2414, 3340, 3342, and 4361
B.S.	Environmental Science	Either Math 1316 or 2412, and Biol 4416. Math 2413 is strongly recommended as an additional elective.
B.A./B.S.	Environmental Science - Geology Emphasis	Either Math 1316 or 2412, either 2413 or 3360 or Biol 4416
B.S.	Life Science 7-12 Teacher Certification	Either Math 1314 or 1324, and either 1316 or 2412
B.A./B.S.	Mathematics	Math 2413 and beyond. See course catalog for details.
	Mathematics 7-12 Teacher Certification	Math 2413 and beyond. See course catalog for details.
B.S.	Mechanical Engineering	Math 2413, 2414, 3340, 3342, and 6 hours of upper-level mathematics or physics electives
B.S.	Plant, Soil, & Environmental Science	Agri 3318 and select one of the following: Math 1314, 1324, 2412, or 2413
B.S.	Physical Science - 6-12 Teacher Certification	Math 2413, 2414, and select one of the following: Math 1314, 1316, 1324, or 2412*
B.A./B.S.	Physics	Either Math 1316 or 2412, 2413, 2414, 3340, and 3342. Math 3311 and 3321 recommended.
B.S.	Pre-Veterinary Medicine	Math 1314 and Agri 3318
B.S.	Science 7-12 Teacher Certification	Math 1314, and either 1316 or 2412
B.A./B.S.	Wildlife Biology	Either Math 1316 or 2412, and Biol 4416
Sybil B. Harrington College of Fine Arts and Humanities		
B.A.A.S.	Applied Arts and Sciences	Only Core Math
B.A./B.S.	Art	Only Core Math
B.A./B.S.	Broadcast - Journalism	Only Core Math
B.A./B.S.	Broadcasting, Electronic Media	Only Core Math
B.A./B.S.	Communication Studies	Only Core Math
B.F.A.	Dance	Only Core Math
B.A.	English	Only Core Math
B.A.	English, Lang. Arts & Reading 7-12 Certification	Only Core Math
B.G.S.	General Studies	Only Core Math
B.F.A.	Graphic Design	Only Core Math
B.A./B.S.	History	Only Core Math
B.A./B.S.	History 7-12 certification	Only Core Math
B.S.	Journalism 7-12 Teacher Certification	Only Core Math
B.M.	Music	Only Core Math
B.M.	Music EC-12 Certification	Only Core Math
B.M.	Music - Composition	Only Core Math
B.M.	Music - Performance	Only Core Math
B.M.	Music - Music Industry	Only Core Math
B.M.	Music - Music Therapy	Only Core Math
B.A.	Musical Theatre	Only Core Math

B.A./B.S.	Public Relations, Advertising, & Appld. Comm.	Only Core Math
B.A.	Spanish	Only Core Math
B.A.	Spanish 7-12 Certification	Only Core Math
B.A./B.S.	Speech 7-12 Teacher Certification	Only Core Math
B.F.A.	Studio Art	Only Core Math
B.A./B.S.	Theatre	Only Core Math
College of Business		
B.B.A.	Accounting and Finance	Math 1324, either 1325 or 2413, and Cidm 2342
B.B.A.	Accounting	Math 1324, either 1325 or 2413, and Cidm 2342
B.B.A.	Computer Information Systems	Math 1324, either 1325 or 2413, and Cidm 2342
B.A./B.S.	Economics	Math 1324, either 1325 or 2413, and Cidm 2342
B.B.A.	Economics	Math 1324, either 1325 or 2413, and Cidm 2342
B.B.A.	Economics and Finance	Math 1324, either 1325 or 2413, and Cidm 2342
B.B.A.	Finance	Math 1324, either 1325 or 2413, and Cidm 2342
B.B.A.	General Business	Math 1324, either 1325 or 2413, and Cidm 2342
B.B.A.	Management	Math 1324, either 1325 or 2413, and Cidm 2342
B.B.A.	Marketing	Math 1324, either 1325 or 2413, and Cidm 2342
College of Education and Social Sciences		
B.B.A.	Business Education 6-12 Teacher Certification	Core Math and 1325
B.S.	Computer Science 8-12 Teacher Certification	Math 2321, 2322, 2412, 2413, 2414, and one of the following: 1314, 1316, 1324, or 1325
B.A./B.S.	Criminal Justice	Core Math and Crij 3362**
B.A.A.S.	Emergency Management Administration	Core Math and any 3000 or 4000 level statistics course (Posc 3362 preferred)
B.S.	Interdisciplinary Studies - EC-6 Generalist (ESL/Bilingual)	Core Math, 1350, 1351, and 3305
B.S.	Interdisciplinary Studies - EC-12 Special Education	Core Math, 1350, and 1351
B.S.	Interdisciplinary Studies - 4-8 ELA	Core Math, 1350, and 1351
B.S.	Interdisciplinary Studies - 4-8 ELA/SS	Core Math, 1350, and 1351
B.S.	Interdisciplinary Studies - 4-8 Generalist	Either Math 1316 or 2412, 1350, 1351, and 3331
B.S.	Interdisciplinary Studies - 4-8 Math	Math 2413, 3331, 4390, and either 1316 or 2412, and either 3305 or 3306, and 9 hours of upper level math or science
B.S.	Interdisciplinary Studies - 4-8 Math/Science	Math 1350, 1351, 2413, 3331, and either 1316 or 2412, and either 3305 or 3306
B.S.	Interdisciplinary Studies - 4-8 Science	Core Math, 1350, 1351, and 3 hours of upper level math or science
B.S.	Interdisciplinary Studies - 4-8 Social Studies	Core Math, 1350, and 1351
B.A./B.S.	Political Science	Core Math and Posc 3362
B.A./B.S.	Pre-Law Studies	Only Core Math. Degree is being phased out by 2018.
B.A./B.S.	Psychology	Core Math and Psc 3310
B.A./B.S.	Public Administration	Core Math and Posc 3362**
B.A./B.S.	Social Sciences	Only Core Math
B.A./B.S.	Social Studies 7-12 Certification	Core Math

B.A./B.S.	Social Work	Core Math and Socw 3362**
B.A./B.S.	Sociology	Core Math and Soci 3362**
College of Nursing and Health Sciences		
B.S.	Athletic Training	Only Core Math
B.S.	Communication Disorders	Core Math and either Psyc 3310 or Nurs 3304**
B.S.	Health Sciences	Core Math and Nurs 3304**
B.S.	Nursing	Core Math and Nurs 3304**
B.A./B.S.	Physical Education - EC-12 Teacher Certification	Only Core Math
B.A./B.S.	Sports and Exercise Sciences	Either Math 1314 or 2412 or 2413. B.S., also requires Psyc 3310.

* If Math 1314 is taken to satisfy core, must take Math 1316 or 2412 in addition.

** Soci/Socw 3362 requires a prerequisite of either Math 1314, 1332, or 1324.