

VCCS Math	CNU	JMU	GMU	LongW	NSU	ODU	RU	RBC	UMW	UVA	UVA-W	VCU	VMI	VT	VSU	W&M
MTH 266 Linear Alg	M260	M300	M203	M280	M300	MELEC	M460	M203 M224	M300	M2000T A2000T ^U	M2xxx	M310	M305	M2114	M325	M211
MTH 267 Diff Equat	M2xx	M336	M214	M2XX	M372	M280	M346	M205 M271	M312	M2000T A2000T ^U	M2xxx	M301	M311	M2214	M350	MELE
MTH 280 Coll Geom	M2XX	M000 ^J	Mxxx	M335			M135		M372			M2XX		M2xxx		M2XX
M281 Int Abst Alg	M2XX	M000 ^J	Mxxx	M2XX			M423		Mnot maj			M2XX	M401	M2xxx		M2XX
M283 Prob & Stat	M2XX	M220 ^J	SL344	M2XX	M351		S301		S381			S2XX	M220 M326	S4714		M351
M288 Discrete Mth	M245	M245	M125	M175			M142		M201			M211		M2534		M2XX
MTH 281&288																M214
M289 Diff EquatExt	M2XX	M000 ^J	Mxxx	M362			M4ELE		M300- maj			M301	M311			M302

Notes for Course Transfer Table

M = MATH or MTH as appropriate to college, S= STAT, A = APMA
 ELEEC = college credit awarded as an elective for college
 * No direct match but meets general education mathematics/quantitative requirement
 + Use of statistical package in graded activities/projects required for transfer.
 C Courses must be above College Algebra to satisfy. (CNU MTH 110 does not satisfy Gen Ed requirements.)
 J JMU – See program advisor for courses taken prior to entrance into JMU for possible course substitutions – determined by major department and only if meeting additional criteria. “Substitution” - an individual JMU course directive for a student indicating that the course may be used as an alternative to satisfy a particular requirement.
 Possible Substitutions:
 MTH 280 College Geometry – sub for MATH 305
 MTH 281 Introductory Abstract Algebra – sub for MATH 304
 MTH 283 Probability and Statistics – sub for MATH 318
 MTH 289 Differential Equations Extended – sub for a math maj elect req
 L Longwood – Satisfies Quantitative Reasoning Pillar
 M Completed with either MA123-124 (Calc I/Calc II) for Applied Math, Chemistry, Engineering, and Physics majors or MA101-102 for all others.
 U Future students may be required to pass ODU vector module prior to transfer credits awarded or completion of MTH 265.

^S VSU transfers MTH 154 and/or 155 as MTH 112 and 113 if Algebra II completed.
^{T1} VT General Education Requirements under revision and subject to change
^{T3} Requires passing VT trig module prior to transfer credits awarded
^{T4} Effective fall 2018, MTH 1525-1526 (6 credits) is replaced by MTH 1524 (4 credits) MTH 261-262 combo will satisfy the requirements of MTH 1524.
^U MTH 266 transfers as MTH 2000T or APMA 2000T, upon completion of APMA 3081 (1 credit) at UVA, VCCS MTH 266 will transfer as UVA APMA 3080
 MTH 267 transfers as MTH 2000T or APMA 2000T, upon completion of APMA 2131 (1 credit) at UVA, VCCS MTH 267 will transfer as UVA APMA 2130
^V Consult VCU School of Business for requirements, changes pending
 Note: UVA does not have a general education requirement that is applicable to all students. In the College of Arts and Sciences, students currently have to complete 12 credits from two different departments to satisfy the Natural Sciences and Math area requirement. For Engineering, outside of the required math most majors require at least one additional upper-division math course.

VCCS Math Course Transferability to Virginia Private Institutions
 Updated 3.12.18

VCCS Math	Bluefield	Emory & Henry	Ferrum	Liberty	Lynchburg	Marymount	Roanoke	Southern VA	Strayer	U of Phoenix	U of Richmond SPrCoStudies	VA Wesleyan
MTH Credits for Gen Ed	BA 3, BS 6-9	3-4	3	3	3	3	4		6 ^S	6	BA 3 BS 6	3 ^W
MTH 154 QR	MGExx	Q101	M105	M115	MELE	M901	M-T ^R		M104 MEEE	Mcred ^P	M103U BA MELE BS	GS ELE ^W
MTH 155 SR	MGExx	Q101		M201	MELE	M132	S-T ^R		M104 MEEE	Mcred ^P	M103U BA MELE BS	M1xx
MTH 156 Elem Geom	MGExx			M217	MELE	MA 901 ^M	M-T ^R		MEEE M104	Mcred ^P	M103U	
MTH 161 PreCalc I	M1213	M121	M111	M121	MELE	M900 ^M	M-T ^R		M200 M104	Mcred ^P	M103U	GS ELE ^W
MTH 162 Pre Calc II	M1514	M123	M112	M122	M102	M900 ^M	M-T ^R		M200 M104	Mcred ^P	M103U	M1xx
MTH 165 Finite Math	MGExx			M125	M106	MA 901 ^M	M-T ^R	M114	MEEE M104	Mcred ^P	M103U	
MTH 167 PreCalcTrig	M1514	M123	M112	M128	M102	M900 ^M	M-T ^R		M200 M104	Mcred ^P	M103U	GS ELE ^W
MTH 245 Stat I	M2023	MELE	M208	M201	M222 S222	M132	S-T ^R		M300	Mcred ^P	M103U	M210
MTH 246 Stat II	M2033		M306	M2xx	M222 S222	M900 ^M	S-T ^R		M300 M104	Mcred ^P	M103U	M2xx
MTH 245&246		M161				M218						
MTH 261 App Calc I	MGExx	MELE	M203	M126	MGExx	M900 ^M	M121		M310 MEEE	Mcred ^P	M300U	GS ELE ^W
MTH 262 App Calc II	MGExx	MELE		M2xx	MGExx	M900 ^M	M-T		MEEE M104	Mcred ^P	M300U	M1xx
MTH 263 Calc I	M1815	M151 ^E	M211	M131	M103	M181	M121		M310 MEEE	Mcred ^P	M300U	M171
MTH 264 Calc II	M1825	M152 ^E	M221	M132	M104	M900 ^M	M122		MEEE M104	Mcred ^P	M300U	M172
MTH 265 Calc III	M2814	M152	M322	M231	M211	M900 ^M	M321		MEEE M104	Mcred ^P	M300U	M273
MTH 266 Linear Alg	M2913	MELE	M246	M221	M307	M900 ^M	M201		MEEE M104	Mcred ^P	M300U	M217
MTH 267 Diff Equat	M3003	MELE	M332	M2xx	M301	M900 ^M	M331		MEEE M104	Mcred ^P	M300U	M274
MTH 280 Coll Geom	MGExx			M217	M304	M900	M278		MEEE M104	Mcred ^P	M300U	

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M281 Int Abst Alg	MGExx			M2xx	MELE ^{L1}	M900	M288 ^{R1}		MEEE M104	Mcred ^P	M300U	
M283 Prob & Stat	MGExx			M211	M311	M132	S202	M221	M300	Mcred ^P	M300U	
M288 Discrete Mth	MGExx			M250	M260 ^{L2}	M901 ^M	M131		M311	Mcred ^P	M300U	
M289 Diff Equat Ext	MGExx			M2xx	MELE ^{L1}	M900	M332		MEEE M104	Mcred ^P	M300U	

Notes for Course Transfer Table (Private)

M = MATH or MTH as appropriate to college, S= STAT, and Q=QUAN
 ELEC = college credit awarded as an elective for college
 MGExx – meets general education requirement for math
^E Emory & Henry requires department approval for transfer, pending student goals
^{L1} Lynchburg: Can transfer as math elective for math majors
^{L2} Will not receive “writing enriched” credit that LU course receives
^M MA 900 Math Elective - courses our equivalent to Marymount courses but are prerequisites for other courses in the major and we prefer to have a conversation with students when they transfer to make sure the version of the course they took was sufficient to meet the prerequisites for the subsequent course they will take.
^M MA 901 Math Elective with Liberal Arts Core credit

^P U of Phoenix requires 6 credits of math for general education requirements. All courses indicated by Mcred will satisfy the 6 credits of math needed.
^R MATH-T can substitute for our INQ 240 or INQ 241, and STAT-T can substitute for INQ 240
^{R1} Roanoke – see Dept. Chair to determine best transfer.
^S Strayer: Specified courses may vary based on concentration. MAT104 and MAT300(MAT311 for BSIT) are requirements for all concentrations. MAT200 is a core requirement specific to BSIT.
^w VWC “Q” Requirement is 4 credits but can be satisfied by 3 credit transfer courses

VCCS Math Course applicability to degree programs.

This is a **sampling** of degrees as identified by the four year colleges during course evaluation to which the VCCS math courses apply. This is not a comprehensive list. Students and advisors should consult the degree programs at the four year colleges for specific degree requirements prior to selecting a math pathway.

VCCS Math	Applicable Degree Programs
MTH 154 QR	General education requirements for Mathematics and Quantitative Reasoning, non-Science majors (UVA-Wise, NSU), English (NSU), Psychology (NSU), Political Science (NSU), Schools of Liberal Arts, Social Work, and Education (NSU)
MTH 155 SR	General education requirements for Mathematics and Quantitative Reasoning, Statistics (VT), Mass Communications (VCU), nonSTEM (VMI)
MTH 245 Stat I	Political Science (JMU), Biology/Biological Sciences (JMU, VCU, CNU), Nursing (JMU, GMU, UVA-wise, NSU), Psychology (JMU, Longwood, GMU, CNU), Economics (JMU, GMU), Sociology (JMU, UMW, CNU), Health Science/Admin (JMU, GMU), Mathematics (LongW), Computer Science (LongW, UVA-Wise, NSU), Athletic Training (LongW), Sports Management (GMU), Business (LongW, UMW, CNU), Education Licensure (UMW), Statistics (VT), Life Science (VCU), Earth Science (GMU), nonSTEM (VMI), Natural Science (UVA-Wise), Allied Health (NSU), Medical Technology (NSU), BIO and CHEM Pre-Med (NSU)
MTH 246 Stat II	Business (LongW), Athletic Training (LongW), Economics (LongW, GMU), Mathematics (UMW, VCU), Statistics (VT, VCU), Data Analysis Minor (GMU)
MTH 161 PreCalc I	Serves as prereq to studies in Calculus and other courses, Liberal Studies (LongW), Science (UVA-Wise), Computer Science (UVA-Wise), Math (UVA-Wise), School of Business – certain majors and tracks (NSU)
MTH 162 Pre Calc II	Serves as prereq to studies in Calculus and other courses, STEM not Nursing (LongW, NSU), Biological Sciences (VCU, NSU), Natural Science (UVA-Wise), Computer Science (UVA-Wise, NSU), Math (UVA-Wise, NSU), Technology (NSU), Chemistry (NSU)
MTH 167 PreCalcTrig	Serves as prereq to studies in Calculus and other courses, STEM not Nursing (LongW, NSU), Biological Sciences (VCU, NSU), Natural Science (UVA-Wise), Computer Science (UVA-Wise, NSU), Math (UVA-Wise, NSU), Technology (NSU), Chemistry (NSU)
MTH 261 App Calc I	College of Business (except Quant Finance at JMU, VT, CNU), College of Agriculture and Life Sciences (VT), Biology(VT), Chemistry (BA only,VT), Geography (VT), Microbiology (VT), Psychology (VT), Neuroscience (VT). Applied Economics Management (Financial Planning option at VT), Food Science Technology (Food Business option at VT), ECBU and BI (VMI), Math (UVA-Wise), Natural Science (UVA-Wise), School of Business – certain majors and tracks (NSU)
MTH 262 App Calc II	College of Business (VT), College of Agriculture and Life Sciences (VT), Biology(VT), Chemistry (BA only,VT), Geography (VT), Microbiology (VT), Psychology (VT), Neuroscience (VT). Applied Economics Management (Financial Planning option at VT), Food Science Technology (Food Business option at VT), ECBU and BI (VMI), Math (UVA-Wise), Natural Science (UVA-Wise), School of Business – certain majors and tracks (NSU)
MTH 263 Calc I	Mathematics (JMU, UMW, VT, NSU), Chemistry (JMU, UMW, VT, NSU), Physics (JMU, UMW, VT, NSU), Biology (JMU), Engineering (JMU, VT, NSU), Quantitative Finance (JMU), Geology (JMU), Statistics (JMU), ISAT (JMU), STEM (except Nursing at LongW, VCU. Except organismal bio CNU), Economics (LongW), Computer Science (VT, NSU), Computational Modeling and Data Analytics (VT), Statistics (VT), STEM (VMI)
MTH 264 Calc II	Mathematics (JMU, UMW, VT, NSU), Chemistry (JMU, UMW, VT, NSU), Physics (JMU, UMW, VT, NSU), Biology (JMU), Engineering (JMU, VT, NSU), Quantitative Finance (JMU), Geology (JMU), Statistics (JMU), ISAT (JMU), STEM (except Nursing at LongW, VCU, except organismal bio CNU), Economics (LongW), Computer Science (VT, CNU, NSU), Computational Modeling and Data Analytics (VT), Statistics (VT), STEM (VMI)
MTH 265 Calc III	Mathematics (JMU, UMW, VT, CNU, NSU), Chemistry (JMU, UMW, VT, CNU, NSU), Physics (JMU, UMW, VT, CNU, NSU), Biology (JMU), Engineering (JMU, VT, CNU, NSU), Quantitative Finance (JMU), Geology (JMU), Statistics (JMU), ISAT (JMU), STEM (except Nursing at LongW, VCU), Economics (LongW), Computer Science (VT, NSU), Computational Modeling and Data Analytics (VT), Statistics (VT) , STEM (VMI)
MTH 266 Linear Alg	Mathematics (JMU, LongW, UMW,VT, VCU, NSU), Physics (JMU, VT), Engineering (JMU), Quantitative Finance (JMU), Statistics (JMU, VT), Computer Science (VT), Engineering (VT, VCU), Computational Modeling and Data Analytics (VT) , STEM (VMI), Optical Engineering (NSU)
MTH 267 Diff Equat	Mathematics (JMU, UMW, VT, VCU, NSU), Physics (JMU, UMW, VT, NSU), Engineering (JMU, VT, VCU, NSU), Quantitative Finance (JMU), Chemistry (BS-VT) , Computational Modeling and Data Analytics (VT) , STEM (VMI)