

Note: Course Dates indicate Beginning and Ending Dates

M=Monday, T=Tuesday, W=Wednesday, R=Thursday, F=Friday, S=

CRN	Instructor	Days	Time	Room	D	CRN	Instructor	Days	Time	Room	D						
<b>Math</b>																	
<b>MATH 020 Arithmetic Fundamentals</b>						<b>1 Units</b>											
<p>Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.</p> <p>The four basic operations of arithmetic on whole numbers, fractions, and decimals, with applications. Ratios, proportions, and percents with applications. This course will be offered on a Pass/No Pass basis only. 18 lab hours, 36 lab hours arranged.</p>																	
21212	Odrich, S.	M	08:20 AM-09:25 AM	MA 127	08/25-12/15	21411	Lei, L.	MW	01:05 PM-03:35 PM	MA 230	08/25-12/15						
+ 36 TOTAL HRS ARRG						21429	Nguyen, T.	MW	03:30 PM-06:00 PM	LB 105	08/25-12/15						
21215	Odrich, S.	M	11:30 AM-12:35 PM	MA 127	08/25-12/15	21426	Scott, C.	MW	07:00 PM-09:30 PM	LH 102	08/25-12/15						
+ 36 TOTAL HRS ARRG						21417	Gutierrez, J.	TR	07:15 AM-09:45 AM	MA 126	08/25-12/15						
21209	Odrich, S.	M	07:00 PM-08:05 PM	MA 127	08/25-12/15	21419	Gutierrez, J.	TR	10:30 AM-01:00 PM	MA 230	08/25-12/15						
+ 36 TOTAL HRS ARRG						21416	Low, J.	TR	01:05 PM-03:35 PM	MA 109	08/25-12/15						
21211	Odrich, S.	T	08:20 AM-09:25 AM	MA 127	08/25-12/15	21423	Nguyen, C.	TR	01:05 PM-03:35 PM	MA 222	08/25-12/15						
+ 36 TOTAL HRS ARRG						21425	Nguyen, C.	TR	04:00 PM-06:30 PM	MA 222	08/25-12/15						
21213	Odrich, S.	T	11:30 AM-12:35 PM	MA 127	08/25-12/15	21431	Medrano, E.		HRS-ARRG		08/25-12/15						
+ 36 TOTAL HRS ARRG						DISTANCE EDUCATION CLASS After registering go to <a href="http://www.citruscollege.edu/de">www.citruscollege.edu/de</a>											
21216	Odrich, S.	T	03:50 PM-04:55 PM	MA 127	08/25-12/15	21432	Trad, M.		HRS-ARRG		08/25-12/15						
+ 36 TOTAL HRS ARRG						DISTANCE EDUCATION CLASS After registering go to <a href="http://www.citruscollege.edu/de">www.citruscollege.edu/de</a>											
21217	Odrich, S.	T	07:00 PM-08:05 PM	MA 127	08/25-12/15	Students required to take exams on campus.											
+ 36 TOTAL HRS ARRG						<b>MATH 131 Plane Geometry</b>											
21214	Odrich, S.	W	11:30 AM-12:35 PM	MA 127	08/25-12/15	<b>4 Units</b>											
+ 36 TOTAL HRS ARRG						<p>Prerequisite: MATH 030 or placement is based on multiple assessment measures.</p> <p>A first course in geometry. Elementary logic, properties of geometric figures, parallel and perpendicular lines, ratio and proportion, congruence, area, and volume. 72 lecture hours.</p>											
						20334	Gutierrez, J.	TR	03:45 PM-05:50 PM	MA 109	08/25-12/15						
<b>MATH 029 Pre-Algebra</b>						<b>4 Units</b>											
<p>Prerequisite: Placement is based on multiple assessment measures or successful completion of MATH 020.</p> <p>Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.</p> <p>This course is designed to prepare a student for Elementary Algebra. Topics include a review of arithmetic, a study of signed numbers, an introduction to fundamental algebraic concepts, solving equations, and solving applied problems. 72 lecture hours. NOTE: THE UNITS EARNED FOR THIS COURSE MAY NOT BE APPLIED TOWARD THE 60 UNITS FOR GRADUATION.</p>																	
20641	Dominguez, V.	MTWR	08:00 AM-09:10 AM	MA 223	08/24-12/01	<b>MATH 150 Intermediate Algebra</b>											
						<b>5 Units</b>											
20643	Dominguez, V.	MTWR	09:55 AM-11:05 AM	MA 125	08/24-12/01	<p>Prerequisite: MATH 030 or placement is based on multiple assessment measures.</p> <p>Real number properties, first degree equations and inequalities, absolute value equations and inequalities, formulas, applications, exponents, polynomials, the binomial theorem, factoring, linear systems, functions, rational expressions, radicals, complex numbers, quadratic equations, conics, inverse functions, and exponential and logarithmic functions. 90 lecture hours. NOTE: THIS COURSE MAY NOT BE TAKEN CONCURRENTLY WITH EITHER MATH 148 or 149. STUDENTS MAY NOT EARN MORE THAN A TOTAL OF FIVE UNITS IN ANY COMBINATION OF MATH 148, 149 AND 150.</p>											
21023	Dominguez, V.	MTWR	01:05 PM-02:15 PM	PS 106	08/24-12/01	20397	Swan, A.	MTWR	07:00 AM-08:10 AM	MA 109	08/25-12/15						
20642	Low, J.	MW	08:20 AM-10:25 AM	MA 230	08/25-12/15	20388	Tussy, A.	MTWR	07:00 AM-08:10 AM	MA 222	08/25-12/15						
20141	Low, J.	MW	10:40 AM-12:45 PM	MA 230	08/25-12/15	20446	Swatzel, J.	MTWR	11:30 AM-12:40 PM	MA 108	08/25-12/15						
20132	Paek, H.	MW	04:35 PM-06:40 PM	MA 125	08/25-12/15	20470	White, S.	MTWR	08:20 AM-09:30 AM	MA 109	08/25-12/15						
20142	Scott, C.	MW	04:45 PM-06:50 PM	PS 106	08/25-12/15	20408	Tussy, A.	MTWR	08:30 AM-09:40 AM	MA 222	08/25-12/15						
20126	Swatzel, J.	TR	08:20 AM-10:25 AM	MA 108	08/25-12/15	20448	White, S.	MTWR	09:55 AM-11:05 AM	MA 109	08/25-12/15						
20123	Low, J.	TR	08:20 AM-10:25 AM	MA 230	08/25-12/15	20688	Zhuang, Y.	MTWR	11:35 AM-12:45 PM	MA 124	08/25-12/15						
20125	Paek, H.	TR	04:10 PM-06:15 PM	MA 125	08/25-12/15	20464	White, S.	MTWR	11:45 AM-12:55 PM	MA 109	08/25-12/15						
20146	Scott, C.	TR	04:45 PM-06:50 PM	MA 223	08/25-12/15	20480	Everest, R.	MW	01:05 PM-03:35 PM	MA 222	08/25-12/15						
20157	Leung, S.	TR	05:25 PM-07:30 PM	MA 108	08/25-12/15	20798	Zhuang, Y.	MW	01:05 PM-03:35 PM	MA 108	08/25-12/15						
<b>MATH 030 Elementary Algebra</b>						<b>4 Units</b>											
<p>Prerequisite: Placement is based on multiple assessment measures or completion of MATH 029 with min. grade of C.</p> <p>Strongly recommended: ENGL 099 or READ 099 if required by English placement or if required by English level.</p> <p>Fundamental operations with polynomials and rational expressions, products and factoring, linear and quadratic equations in one variable, inequalities, exponents, radicals, graphing linear equations, systems of equations, applications and introduction to functions. 90 lecture hours.</p>																	
21427	Chun, M.	MTWR	08:20 AM-09:30 AM	LB 105	08/25-12/15	20459	Nguyenhuu, R.	MW	01:05 PM-03:35 PM	MA 124	08/25-12/15						
21421	Medrano, E.	MTWR	08:20 AM-09:30 AM	MA 206	08/25-12/15	20410	Gong, C.	MW	01:30 PM-04:00 PM	MA 126	08/25-12/15						
21415	Trad, M.	MTWR	08:25 AM-09:35 AM	MA 125	08/25-12/15	20468	Gonzalez, R.	MW	03:50 PM-06:20 PM	MA 207	08/25-12/15						
21420	Gong, C.	MTWR	10:00 AM-11:10 AM	MA 126	08/25-12/15	20987	Swan, A.	MW	04:10 PM-06:40 PM	MA 126	08/25-12/15						
21418	Trad, M.	MTWR	10:00 AM-11:10 AM	MA 124	08/25-12/15	21021	Nguyenhuu, R.	MW	05:25 PM-07:55 PM	MA 124	08/25-12/15						
21428	Tussy, A.	MTWR	11:30 AM-12:40 PM	MA 222	08/25-12/15	20399	Zhuang, Y.	TR	07:15 AM-09:45 AM	MA 124	08/25-12/15						
21430	Trad, M.	MTWR	11:30 AM-12:40 PM	MA 206	08/25-12/15	20456	Everest, R.	TR	08:50 AM-11:20 AM	MA 207	08/25-12/15						
21422	Gong, C.	MTWR	11:40 AM-12:50 PM	MA 126	08/25-12/15	20473	Gonzalez, R.	TR	01:05 PM-03:35 PM	MA 230	08/25-12/15						
21412	Gutierrez, J.	MW	07:15 AM-09:45 AM	MA 126	08/25-12/15	20444	Nguyenhuu, R.	TR	01:05 PM-03:35 PM	MA 125	08/25-12/15						
21414	Phan-Yamada, T.	MW	07:15 AM-09:45 AM	MA 124	08/25-12/15	20795	Everest, R.	TR	01:05 PM-03:35 PM	MA 206	08/25-12/15						
LEARNING COMMUNITIES CLASS: Requires enrollment in ENGL 099 CRN 21142.						20645	Nguyenhuu, R.	TR	03:50 PM-06:20 PM	MA 124	08/25-12/15						
21424	Swatzel, J.	MW	08:20 AM-10:50 AM	MA 108	08/25-12/15	20986	Gutierrez, J.	TR	07:00 PM-09:30 PM	MA 109	08/25-12/15						
21413	Paek, H.	MW	01:05 PM-03:35 PM	MA 125	08/25-12/15	20476	Swatzel, J.		HRS-ARRG		08/25-12/15						
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						Students required to take exams on campus.											
						20805 Trad, M. HRS-ARRG 08/25-12/15											
						DISTANCE EDUCATION CLASS After registering go to <a href="http://www.citruscollege.edu/de">www.citruscollege.edu/de</a>											
						Students required to take exams on campus.											

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CRN	Instructor	Days	Time	Room	D	CRN	Instructor	Days	Time	Room	D
<b>MATH 151 Plane Trigonometry 4 Units</b>						<b>MATH 191 Calculus with Analytic Geometry II 4 Units</b>					
Prerequisite: MATH 131 or high school Geometry, or MATH 149 or MATH 150 or placement is based on multiple assessment measures.						Prerequisite: MATH 190.					
Functions, the trigonometric functions: their graphs and identities, laws of sines and cosines, solutions of triangles, trigonometric equations, inverse trigonometric functions, polar coordinates, DeMoivre's Theorem. 72 lecture hours. CSU UC						Continuation of integral calculus with applications; techniques of integration; sequences and series; analytic geometry; plane curves; parametric equations; and polar coordinates. 72 lecture hours. CSU UC					
20484	Everest, R.	MW	08:50 AM-10:55 AM	MA 207	08/25-12/15	20547	Gonzalez, R.	MW	01:05 PM-03:10 PM	MA 207	08/25-12/15
20492	Phan-Yamada, T.	MW	10:05 AM-12:10 PM	LB 105	08/25-12/15	20545	Anderson, B.	TR	01:05 PM-03:10 PM	MA 124	08/25-12/15
21257	Ogimachi, T.	MW	07:40 PM-09:45 PM	MA 108	08/25-12/15	<b>MATH 210 Calculus with Analytic Geometry III 4 Units</b>					
20490	Reagan, D.	TR	09:55 AM-12:00 PM	PS 106	08/25-12/15	Prerequisite: MATH 191.					
<b>MATH 162 Introductory Mathematical Analysis 4 Units</b>						Vectors, calculus of functions of more than one variable, partial derivatives, multiple integration, vector calculus, Green's Theorem, Stokes' Theorem, and divergence theorem. 72 lecture hours. CSU UC					
Prerequisite: MATH 149 or 150 or placement is based on multiple assessment measures.						20549 Medrano, E. TR 01:05 PM-03:10 PM MA 207 08/25-12/15					
Concepts of function and limits: applied calculus emphasizing techniques of integration and differentiation with applications in social and life sciences, business administration, economics, and engineering technology. 72 lecture hours. CSU UC						<b>MATH 212 Introduction to Linear Algebra 4 Units</b>					
20495	Paek, H.	TR	01:05 PM-03:10 PM	MA 126	08/25-12/15	Prerequisite: MATH 191.					
<b>MATH 165 Introductory Statistics 4 Units</b>						An introduction to linear algebra that complements coursework in calculus. Topics include systems of linear equations, matrix operations, determinants, vectors and vector spaces, eigenvalues and eigenvectors and linear transformations. 72 lecture hours. CSU UC					
Prerequisite: MATH 149 or MATH 150 or placement is based on multiple assessment measures.						20736 Tippins, R. TR 09:15 AM-11:20 AM MA 223 08/25-12/15					
Introductory course to statistics and probability, descriptive analysis, and presentation of data, hypothesis testing, statistical inference, normal curve, chi square, and applications in diverse disciplines. 72 lecture hours. CSU UC											
20499	Swan, A.	MW	09:15 AM-11:20 AM	PC 303	08/25-12/15						
20796	Anderson, B.	MW	01:05 PM-03:10 PM	MA 206	08/25-12/15						
20518	Dominguez, V.	MW	03:15 PM-05:20 PM	MA 206	08/25-12/15						
21254	Ogimachi, T.	MW	05:25 PM-07:30 PM	MA 108	08/25-12/15						
20507	Swan, A.	TR	09:15 AM-11:20 AM	PC 303	08/25-12/15						
20710	Zhuang, Y.	TR	01:05 PM-03:10 PM	MA 108	08/25-12/15						
20735	Swan, A.	TR	03:35 PM-05:40 PM	MA 126	08/25-12/15						
20513	Gonzalez, R.	TR	03:50 PM-05:55 PM	MA 230	08/25-12/15						
20847	Zhuang, Y.	TR	05:25 PM-07:30 PM	MA 206	08/25-12/15						
21255	Gonzalez, R.	F	10:00 AM-02:15 PM	MA 124	08/25-12/15						
20653	Tippins, R.		HRS-ARRG		08/25-12/15						
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<b>MATH 170 College Algebra 4 Units</b>											
Prerequisite: MATH 149 or MATH 150 or placement is based on multiple assessment measures.											
Polynomial, rational, exponential, and logarithmic functions; matrices and determinants; theory of equations; analytic geometry, and mathematical induction. 72 lecture hours. CSU UC											
21002	Nguyen, T.	MW	01:05 PM-03:10 PM	LB 105	08/25-12/15						
20528	Chun, M.	TR	09:55 AM-12:00 PM	LB 105	08/25-12/15						
20526	Gong, C.	TR	01:30 PM-03:35 PM	PC 303	08/25-12/15						
20654	Tippins, R.		HRS-ARRG		08/25-12/15						
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<b>MATH 175 Pre-Calculus 4 Units</b>											
Prerequisite: MATH 151 or placement is based on multiple assessment measures.											
Preparation for calculus; polynomial, rational, exponential, logarithmic, and trigonometric functions; analytic geometry; mathematical induction. 72 lecture hours. CSU UC											
20535	Tippins, R.	MW	01:05 PM-03:10 PM	MA 223	08/25-12/15						
20533	Tippins, R.	TR	12:15 PM-02:20 PM	MA 223	08/25-12/15						
20536	Scott, C.	TR	07:00 PM-09:05 PM	MA 207	08/25-12/15						
<b>MATH 190 Calculus with Analytic Geometry I 4 Units</b>											
Prerequisite: MATH 175 or placement is based on multiple assessment measures.											
Introduction to differential and integral calculus with applications; functions; limits; and continuity; techniques of differentiation; exponential; logarithmic; and inverse trigonometric functions. 72 lecture hours. CSU UC											
20544	Cheng, T.	MW	05:25 PM-07:30 PM	MA 109	08/25-12/15						
20538	Medrano, E.	MTWR	10:00 AM-11:10 AM	MA 206	08/25-12/01						
20992	Anderson, B.	TR	03:25 PM-05:30 PM	MA 207	08/25-12/15						