

MATHEMATICS

Computerized prerequisite verification is required to enroll in Math.

All students enrolling in a math class must have in the Cabrillo computer system either Cabrillo math assessment scores, prerequisite course grade, or transcripts verifying their math preparation. **It is strongly recommended that students re-assess if their course preparation (either prerequisite course work or assessment score) is more than two years old.** A minimum grade of "C" is required in the prerequisite course.

New students without transfer credit in math from another college must complete assessment in math before attempting to enroll in any math course that has a prerequisite.

New students with transfer credit in math from another college and high school students with math AP exam scores of 3 or higher or transfer-level EAP, ELM, IB, or CLEP test results do not need to assess but must see a counselor to have their records input into the computer before attempting to register. See the Cabrillo College Catalog for more information.

High school students without appropriate AP scores or EAP, ELM, IB, or CLEP test results must complete assessment in math and may not enroll in high school equivalent courses.

Minors without a high school diploma may not enroll in MATH 254A, 254B, 254CM, or 254SI.

Notice: The following resources are available for drop-in tutoring for Cabrillo students enrolled in math classes: Math Learning Center (MLC), Room LRC1074, and the Integrated Learning Center, Room WatA210, in the Watsonville Center. Students in the precalculus and calculus sequence, including MATH 6 and 7, are strongly encouraged to utilize the services of the MESA Transfer Center in Room 834. Hours of operation will be posted online, at the Centers, and outside the NAS Division Office, Room 701.

READ 158RM, Reading Math, is related to MATH 2, 3, 4, 12, 142, 152, 154

MATH 2 Precalculus Algebra

Presents functions and their properties including polynomial, rational, exponential and logarithmic functions and their graphs, inverses and applications. May not be taken Pass/No Pass. Prerequisite: MATH 152 or equivalent skills. Note: MATH 142 does NOT satisfy the prerequisite.

Transfer Credit: CSU; UC, WITH LIMITS: Math 2 & 4 combined: maximum credit- 5 semester units.

Section	Days	Times	Units	Instructor	Room
98931	MW	8:30AM-10:35AM	4.00	S.Decelle	608
98932	TTH	11:10AM-1:15PM	4.00	S.Decelle	712
98933	TTH	2:10PM-4:15PM	4.00	M.Van Der Poel	709
98934	TTH	6:30PM-8:35PM	4.00	J.Smith	716

MATH 3 Precalculus Trigonometry

Presents right and oblique triangle trigonometry with applications including vectors, graphing, identities, trigonometric equations and functions, and inverse trigonometric functions. May not be taken Pass/No Pass. Prerequisite: MATH 152 or equivalent skills. Recommended Preparation: MATH 153 or high school geometry or equivalent skills. Note: MATH 142 does NOT satisfy the prerequisite.

Transfer Credit: Transfers to CSU

Section	Days	Times	Units	Instructor	Room
98956	MW	11:10AM-12:30PM	3.00	D.Lofte	708
98957	TTH	12:40PM-2:00PM	3.00	B.Krein	806

MATH 4 Precalculus Algebra and Trigonometry

Covers topics in MATH 2 and MATH 3 and is designed for the motivated student able to fulfill the requirements of both courses in a single course. May not be taken Pass/No Pass. Prerequisite: MATH 152 or equivalent skills. Recommended Preparation: MATH 153 or high school geometry or equivalent skills. Note: MATH 142 does NOT satisfy the prerequisite.

Transfer Credit: CSU; UC, WITH LIMITS: Math 2 & 4 combined: maximum credit- 5 semester units.

Section	Days	Times	Units	Instructor	Room
98958	MW	8:00AM-10:25AM	5.00	E.Miles	708
98959	MW	8:00AM-10:25AM	5.00	E.Miles	708

To register for Section 98959, students must be a participant in the PREP program and attend a workshop prior to the beginning of the semester. For more information, visit cabrillosteep.org or e-mail kehomer@cabrillo.edu.

98960	TTH	8:00AM-10:25AM	5.00	M.Caspers	708
98961	MTWTH	9:30AM-10:35AM	5.00	L.Meyer	717
98966	MTWTH	9:30AM-10:35AM	5.00	L.Meyer	717

To register for Section 98966, students must participate in one of the Math PLUS sessions offered during the summer, must not have taken a math class at Cabrillo, and MUST assess into a higher math level after Math PLUS. The summer sessions meet 6/12-6/16 or 8/14-8/18, MTWTHF, 9:00AM-3:00PM in Room 501, or 8/14-8/18, MTWTHF, 5:30PM-9:00PM in Room 501. For information, go to <http://go.cabrillo.edu/mathplus> or call the Learning Communities Center at (831) 477-3340.

99848	TTH	10:45AM-12:20PM	5.00	D.Reynolds & Arr.	714 OL
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Section 99848 is a Hybrid ONLINE course. It meets weekly throughout the semester at the scheduled times with an additional 1 hr 5 min online instruction per week. For details, see instructor's web page at go.cabrillo.edu/online.

98962	MTWTH	11:10AM-12:15PM	5.00	A.Taurke	716
98965	MTWTH	11:10AM-12:15PM	5.00	A.Taurke	716

To register for Section 98965, students must be a participant in the PREP program and attend a workshop prior to the beginning of the semester. For more information, visit cabrillosteep.org or e-mail kehomer@cabrillo.edu.

98963	TTH	2:10PM-4:35PM	5.00	J.Smith	825
98964	MW	6:30PM-8:55PM	5.00	K.McCandless	716

MATH 5A Analytic Geometry and Calculus I

Presents plane analytic geometry of lines and graphing, differential calculus of algebraic and transcendental functions of one variable with applications, and introductory integral calculus. May not be taken Pass/No Pass. Prerequisite: MATH 4 or MATH 2 and MATH 3 or equivalent skills.

Transfer Credit: CSU; UC, WITH LIMITS: MATH 5A & 18 combined: maximum credit- 1 course. C-ID MATH 210

Section	Days	Times	Units	Instructor	Room
98981	MW	8:00AM-10:25AM	5.00	J.Suresh	714
98982	TTH	8:00AM-10:25AM	5.00	J.Suresh	714
99849	MTWTH	9:30AM-10:35AM	5.00	D.Reynolds	825
98983	MTWTH	11:10AM-12:15PM	5.00	B.Krein	707
99850	MW	12:40PM-3:05PM	5.00	J.Cass	806
98984	TTH	6:30PM-8:55PM	5.00	D.Viglienzoni	707

MATH 5B Analytic Geometry and Calculus II

Presents integral calculus of algebraic and transcendental functions of one variable with applications, techniques of integration, sequences and series. May not be taken Pass/No Pass. Prerequisite: MATH 5A or equivalent skills.

Transfer Credit: Transfers to CSU;UC C-ID MATH 220

Section	Days	Times	Units	Instructor	Room
98985	MTWTH	8:00AM-9:05AM	5.00	C.Lippi	HORT5005
98986	TTH	8:00AM-10:25AM	5.00	V.Ramos	806
98987	MTWTH	9:30AM-10:35AM	5.00	A.Taurke	609
98988	MW	12:40PM-3:05PM	5.00	J.Caputo	715
98989	TTH	12:40PM-3:05PM	5.00	A.Berman	708

MATH 5C Analytic Geometry and Calculus III

Presents vector valued functions, calculus of functions of more than one variable, partial derivatives, multiple integration, Green's Theorem, Stokes' Theorem, divergence theorem. May not be taken Pass/No Pass. Prerequisite: MATH 5B or equivalent skills.

Transfer Credit: Transfers to CSU;UC C-ID MATH 230

Section	Days	Times	Units	Instructor	Room
98990	MTWTH	8:00AM-9:05AM	5.00	A.Taurke	609
98992	TTH	2:10PM-4:35PM	5.00	L.Leum	804
98991	TTH	6:30PM-8:55PM	5.00	E.Braunhut	714

MATH 6 Introduction to Linear Algebra

Introduces linear algebra, including vectors in n-dimensional R, matrices, row reductions, inverse matrices, determinants, vector spaces, basis, change of basis, linear independence, transformations, eigenvalues, eigenvectors, and the Gram-Schmidt process. Students enrolled in the Honors Transfer Program may count this course towards the "Honors Scholar" designation with an Honors Contract. May not be taken Pass/No Pass. Prerequisite: MATH 5C or equivalent skills.

Transfer Credit: Transfers to CSU;UC C-ID MATH 250

Section	Days	Times	Units	Instructor	Room
98993	TTH	8:00AM-9:20AM	3.00	M.DeSmet	825

MATH 7 Introduction to Differential Equations

Presents an introductory course in Differential Equations: first order, second order, homogeneous, nonhomogeneous, variation of parameters, applications, simple linear systems with constant coefficients, Laplace transforms, and power series solutions. Students enrolled in the Honors Transfer Program may count this course towards the "Honors Scholar" designation with an Honors Contract. May not be taken Pass/No Pass. Prerequisite: MATH 5C or equivalent skills.

Transfer Credit: Transfers to CSU;UC C-ID MATH 240

Section	Days	Times	Units	Instructor	Room
98994	MW	8:00AM-9:20AM	3.00	B.Krein	825
99851	TTH	12:40PM-2:00PM	3.00	D.Reynolds	716

MATH 10 Survey of College Mathematics

Presents concepts and applications of various topics in mathematics that use intermediate algebra skills. Prerequisite: MATH 142 or MATH 152 or equivalent skills.

Transfer Credit: Transfers to CSU;UC

Section	Days	Times	Units	Instructor	Room
98843	TTH	11:10AM-12:30PM	3.00	M.Van Der Poel	708
98844	MW	12:40PM-2:00PM	3.00	D.Lofte	708

Cabrillo College math course sequence with corresponding placement scores

Placement is based on your assessment results. Start where you place, move through the course sequences in this order.

Mathematics Course Sequence: All degrees and some certificates have one or more math requirement(s).

Algebra Readiness Test:

Two possible placement levels based on assessment results:

0-25

Choose ONE. Course selection based on what you need to take next in the sequence:

26+

Choose ONE. Course selection based on what you need to take next in the sequence:

Algebra Test:

Two possible placement levels based on assessment results:

AA/AS degree level

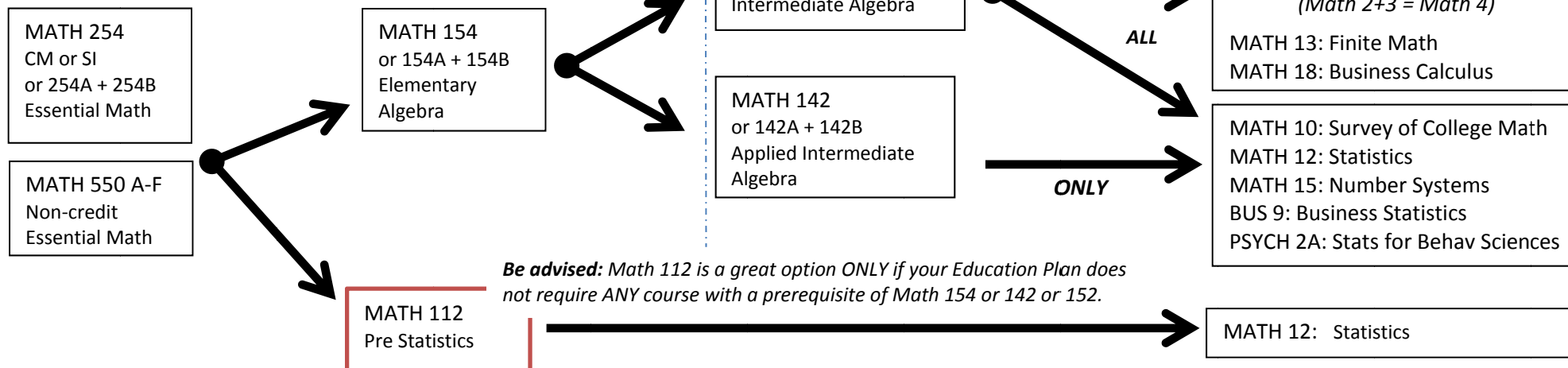
12-23

Choose ONE. Course selection based on what you need to take next in the sequence:

Transfer level

24+

Choose ONE. Course selection based on your Education Plan and major



Be advised: Math 112 is a great option ONLY if your Education Plan does not require ANY course with a prerequisite of Math 154 or 142 or 152.

Confused about the math requirements and your options? Talk to Assessment staff and attend an Education Plan Workshop. Then see a Counselor to make sure you enroll in the correct sequence of classes to complete your certificate, degree and/or transfer requirements.

- **CM** = Computer Mediated: one semester, fast-paced class; material is accelerated. Students complete material using computer software, assisted by an instructor. Ideal for students that need a quick review of the basics.
- **SI** = Supplemental Instruction: one semester, fast-paced class; material is accelerated. Students are supported by one-on-one instructor contact. Great for students that need more help building solid skills and want to complete this level in one semester.
- **A/B sequence**= two semester course sequence. Once you successfully complete "B", then you can move to the next level.
- **Non-Credit = FREE:** Computer mediated, self-paced series of modules to review math skills (arithmetic to pre algebra). There are required lab hours and exams. A passing grade of 80% in all six (6) modules A-F satisfies the pre-requisite for Math 154 and Math 112.
- **Math 112** does not satisfy your math requirements for an AA/AS degree.

MATH 12 Elementary Statistics

Presents the use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Prerequisite: MATH 142 or MATH 152 or MATH 112 or equivalent skills.

Transfer Credit: CSU; UC, WITH LIMITS: MATH 12/12H, BUS 9 and PSYCH 2A combined: maximum credit- 1 course C-ID MATH 110

Section	Days	Times	Units	Instructor	Room
98845	Arr.	Arr.	5.00	P.Reuschling	OL
Section 98845 is an ONLINE course. Required in-person orientation Thursday 8/24 (before the start of semester) from 2:00PM-4:00PM in Room WatA240. Students will complete exams at the Watsonville Center on 9/21, 10/12, 11/9, and 11/30 from 2:00PM-4:00PM in Room WatA150. Use of a TI 83+/84+ calculator is required. For details, see instructor's web page at go.cabrillo.edu/online.					
98859	Arr.	Arr.	5.00	V.Ramos	OL
Section 98859 is an ONLINE course. Required in-person orientation 8/27 (before the start of the semester) from 4:00PM-6:00PM in Room WatA150. Students will complete exams at the Watsonville Center on 9/24, 10/22, and 11/19 from 4:00PM-6:30PM and 12/10 from 4:00PM-7:00PM in Room WatA150. If you have any questions email the instructor at vramos@cabrillo.edu.					
98846	MTWTH	8:00AM-9:05AM	5.00	J.Krause	716
98847	TTH	8:30AM-10:55AM	5.00	J.Kearns	715
98849	MTWTH	9:30AM-10:35AM	5.00	J.Krause	716
98852	MW	11:10AM-1:35PM	5.00	V.Ramos	WatA360
98850	MTWTH	11:10AM-12:15PM	5.00	V.Lundquist	711
98851	TTH	11:10AM-1:35PM	5.00	Staff	801
98853	MW	12:40PM-3:05PM	5.00	P.Reuschling	716
98854	TTH	12:40PM-3:05PM	5.00	S.Tran	711
98855	T & Arr.	12:40PM-3:05PM Arr.	5.00	V.Ramos V.Ramos	714 OL
Section 98855 is a Hybrid ONLINE course. It meets weekly throughout the semester at the scheduled times with an additional 2 hr 5 min online instruction per week. For details, see instructor's web page at go.cabrillo.edu/online.					
98856	TTH	3:15PM-5:40PM	5.00	E.Venable	711
98848	TTH	6:30PM-8:55PM	5.00	E.Venable	711

MATH 13 Finite Mathematics

Presents linear functions, systems of linear equations and inequalities, matrices, linear programming, mathematics of finance, sets and Venn diagrams, combinatorial techniques, and an introduction to probability. Prerequisite: MATH 152 or equivalent skills. Note: MATH 142 does NOT satisfy the prerequisite for this course.

Transfer Credit: Transfers to CSU;UC C-ID MATH 130

Section	Days	Times	Units	Instructor	Room
98863	MW	12:40PM-2:00PM	3.00	S.Tran	711
Use of Microsoft Excel or equivalent spreadsheet alternative is required.					

MATH 18 Business Calculus

Presents the techniques of calculus with emphasis placed on the application of these concepts to business and management-related problems. Prerequisite: MATH 152 or equivalent skills. Note: MATH 142 does NOT satisfy the prerequisite for this course.

Transfer Credit: CSU; UC, WITH LIMITS: MATH 5A & 18 combined: maximum credit- 1 course. C-ID MATH 140

Section	Days	Times	Units	Instructor	Room
98929	MW	11:10AM-1:15PM	4.00	E.Miles	714

98930	W	6:30PM-8:35PM	4.00	J.Cass	714
&	Arr.	Arr.		J.Cass	OL

Section 98930 is a Hybrid ONLINE course. It meets weekly throughout the semester at the scheduled times with an additional 1 hr 25 min online instruction per week. For details, see instructor's web page at go.cabrillo.edu/online.

MATH 104 Math Success Strategies for Precalculus and Beyond

Improves skills in computation, communication, critical thinking, and effective study approaches for precalculus and calculus, and is taken concurrently with MATH 4. Corequisite: MATH 4. May be taken Pass/No Pass only.

Section	Days	Dates	Times	Units	Instructor	Room
99853	MTWTHF	8/7-8/18	8:30AM-12:45PM	1.50	E.Miles/S.Tran	834
&	F	9/1-12/15	9:00AM-11:20AM		E.Miles/S.Tran	825

Meets 8/7-8/14 (prior to the start of the semester) and 9/1-12/15. To register for Section 99853, students must enroll in either MATH 4, Section 98959, or MATH 4, Section 99848. This lab is part of the PREP program and is only for students majoring in the sciences, engineering, or math who will be taking the calculus sequence. Designed for the motivated student seeking to overcome challenges such as a long absence from math coursework, previous unsuccessful attempts at precalculus, or the need for a stronger math foundation. For more information, visit cabrillo.edu/services/stem/PREP.html or e-mail kehomer@cabrillo.edu.

MATH 112 Pre-Statistics

Develops quantitative reasoning skills needed for elementary statistics through hands-on explorations of descriptive statistics, data analysis and probability, and linear and exponential models; satisfies prerequisite for MATH 12 only; NOT a prerequisite for any other math course. May not be taken Pass/No Pass. Prerequisites: MATH 254SI or MATH 254CM or MATH 254B or equivalent skills.

Section	Days	Times	Units	Instructor	Room
99854	MW	8:00AM-10:25AM	5.00	D.Lofte	715

99855	TTH	9:30AM-11:55AM	5.00	P.Reuschling	WatC105
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99856	MTWTH	11:10AM-12:15PM	5.00	J.Suresh	715
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99857 MTWTH 11:10AM-12:15PM 5.00 J.Suresh 715
Students must be enrolled in the STARS First Year Experience program. For more information, call (831) 477-3290 or see www.cabrillostars.org.

99858	MTW	1:45PM-4:00PM	5.00	E.Miles	512
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Meets 12 weeks, 9/18-10/25 and 11/6-12/13. Students must also enroll in the Academy for College Excellence. For info regarding Academy for College Excellence, see Digital Management Career Preparation in the Schedule of Classes or call (831) 477-3340.

MATH 142 Applied Intermediate Algebra

Presents intermediate algebra topics with an emphasis on data analysis and modeling; satisfies prerequisite for MATH 10, MATH 12 or MATH 12H, or MATH 15; NOT a prerequisite for MATH 2, MATH 3, MATH 4, MATH 13, or MATH 18. May not be taken Pass/No Pass. Prerequisite: MATH 154 or MATH 154B or equivalent skills.

Section	Days	Times	Units	Instructor	Room
98864	Arr.	Arr.	5.00	G.Rodriguez	OL

Section 98864 is an ONLINE course. Students will complete exams at the Watsonville Center on 9/20, 10/25, and 11/29 from 3:00PM-5:00PM and 12/13 from 3:00PM-6:00PM in Room WatA240. REQUIRED online orientation. Enrolled and waitlisted students must fill out the Student Information Form on the instructor's web page by the first day of the semester. For details, see instructor's web page at go.cabrillo.edu/online.

98865 TTH 7:30AM-9:55AM 5.00 H.Payne OFFCAM
Section 98865 meets at San Lorenzo Valley High School, 7105 Highway 9, Felton, CA, 95018.

99859	MTWTH	9:30AM-10:35AM	5.00	C.Lippi	HORT5005
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98866 MTWTH 9:30AM-10:35AM 5.00 C.Lippi HORT5005
To register for Section 98866, students must participate in one of the Math Plus sessions offered during the summer, must not have taken a math class at Cabrillo, and MUST assess into a higher math level after Math PLUS. The summer sessions meet 6/12-6/16 or 8/14-8/18, MTWTHF, 9:00AM-3:00PM in Room 501, or 8/14-8/18, MTWTHF, 5:30PM-9:00PM in Room 501. For information, go to <http://go.cabrillo.edu/mathplus> or call the Learning Communities Center at (831) 477-3340.

98867	TTH	12:40PM-3:05PM	5.00	J.Caputo	608
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98868	MW	2:10PM-4:35PM	5.00	Staff	804
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MATH 142A Applied Intermediate Algebra - First Half

Presents the first half of Applied Intermediate Algebra and is designed for a wide variety of students, including those who have been unsuccessful in MATH 142, are math anxious, or desire a slower paced, year-long version of MATH 142. Successful completion of both MATH 142A and MATH 142B satisfies the prerequisite for MATH 10, MATH 12, MATH 12H, or MATH 15; NOT a prerequisite for MATH 2, MATH 3, MATH 4, MATH 13, or MATH 18. Prerequisite: MATH 154 or MATH 154B or equivalent skills. May not be taken Pass/No Pass.

Section	Days	Times	Units	Instructor	Room
&	MW	8:00AM-9:20AM	4.00	J.Caputo	711
	TTH	8:00AM-9:20AM		J.Caputo	711

99885 &	MT W	6:30PM-8:35PM 6:30PM-8:20PM	4.00	.Staff .Staff	WatA260 WatA260
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MATH 142B Applied Intermediate Algebra - Second Half

Presents the second half of Applied Intermediate Algebra and is designed for a wide variety of students, including those who have been unsuccessful in MATH 142, are math anxious, or desire a slower paced, year-long version of MATH 142. Prerequisite: MATH 142A. Successful completion of both MATH 142A and MATH 142B satisfies the prerequisite for MATH 10, MATH 12, MATH 12H, or MATH 15; NOT a prerequisite for MATH 2, MATH 3, MATH 4, MATH 13, or MATH 18. May not be taken Pass/No Pass.

Section	Days	Times	Units	Instructor	Room
98873 &	MW	9:30AM-10:50AM	4.00	V.Lundquist	711
	TTH	9:30AM-10:50AM		V.Lundquist	711

MATH 152 Intermediate Algebra

Continues development of algebra skills acquired in elementary algebra, which include the system of real numbers, polynomials, algebraic equations (linear, systems of linear, quadratic, and applications). May not be taken Pass/No Pass. Prerequisite: MATH 154 or equivalent skills.

Section	Days	Times	Units	Instructor	Room
98874	Arr.	Arr.	5.00	V.Lundquist	OL

Section 98874 is an ONLINE course. Mandatory orientation before the start of the semester on 8/24 from 3:00PM-4:00PM in Room WatC105. Students will complete exams at the Watsonville Center on 9/20, 10/11, 11/7, and 11/29 from 6:00PM-8:00PM in Room WatC105. Final exam on 12/13 from 6:00PM-8:50PM in Room WatC105. Make sure Webadvisor has your current e-mail address. For details, see instructor's web page at go.cabrillo.edu/online.

98892	Arr.	Arr.	5.00	M.DeSmet	OL
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Section 98892 is an ONLINE course. Mandatory orientation before the start of the semester on 8/27 from 5:00PM-6:00PM in Room WatC105. Students will complete exams at the Watsonville Center on 9/19, 10/10, 11/7, and 11/28 from 6:00PM-8:00PM and final exam on 12/12 from 6:00PM-8:50PM in Room WatC105. For details, see instructor's web page at go.cabrillo.edu/online.

98875	MTWTH	8:00AM-9:05AM	5.00	A.Lobato	709
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98876	MTWTH	8:15AM-9:20AM	5.00	L.Meyer	717
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98877	MW	8:30AM-10:55AM	5.00	P.Reuschling	WatA220
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98897	TTH	8:30AM-10:55AM	5.00	M.Van Der Poel	718
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98878	MTWTH	9:30AM-10:35AM	5.00	Staff	713
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More MATH 152 sections on following page

MATH 152 continued from previous page

98895	MTWTH	9:30AM-10:35AM	5.00	.Staff	709
98893	MTWTH	9:30AM-10:35AM	5.00	.Staff	709
To register for Section 98893, students must participate in one of the Math Plus sessions offered during the summer, must not have taken a math class at Cabrillo, and MUST assess into a higher math level after Math PLUS. The summer sessions meet 6/12-6/16 or 8/14-8/18, MTWTHF, 9:00AM-3:00PM in Room 501, or 8/14-8/18, MTWTHF, 5:30PM-9:00PM in Room 501. For information, go to http://go.cabrillo.edu/mathplus or call the Learning Communities Center at (831) 477-3340.					
98880	MTWTH	11:10AM-12:15PM	5.00	H.Payne	713
98881	MTWTH	11:10AM-12:15PM	5.00	H.Payne	713
Students must be enrolled in the STARS First Year Experience program. For more information, call (831) 477-3290 or see www.cabrillostars.org .					
98882	MW	11:10AM-1:35PM	5.00	M.Buchanan	825
98883	MW	12:40PM-3:05PM	5.00	J.Krause	707
98885	TTH	12:40PM-3:05PM	5.00	J.Krause	707
98887	TTH	1:00PM-3:25PM	5.00	S.Politis	WatA220
98884	MW	1:30PM-3:55PM	5.00	L.Leum	714
98889	MW	2:10PM-4:35PM	5.00	L.Simcik	HORT5005
98891	TTH	3:15PM-5:40PM	5.00	A.Berman	708
98894	MW	6:00PM-8:25PM	5.00	J.Perez	WatA360
98886	MW	6:00PM-8:25PM	5.00	.Staff	WatA220
98890	TTH	6:15PM-8:40PM	5.00	L.Shipley	OFFCAM
Section 98890 meets at San Lorenzo Valley High School, 7105 Highway 9, Felton, CA, 95018.					
98896	TTH	6:30PM-8:55PM	5.00	S.Tran	717

MATH 154 Elementary Algebra

Presents a systematic development of numbers, polynomials and polynomial fractions, along with applications to the solution of linear equations, graphing of and solutions for systems of linear equations, quadratic equations and an introduction to exponents and radicals. May not be taken Pass/No Pass. Prerequisite: MATH 254B or MATH 254CM or MATH 254SI or equivalent skills.

Section	Days	Times	Units	Instructor	Room
98900	Arr.	Arr.	5.00	M.Caspers	OL
Section 98900 is an ONLINE course. Mandatory in-person orientation on Saturday 8/26 (before the start of the semester) from 2:30PM-4:00PM in Room WatA160. Students will complete exams at the Watsonville Center on the 10/24 and 12/12 from 2:30PM-5:30PM in Room WatA160. For details, see instructor's web page at go.cabrillo.edu/online .					
98901	MTWTH	8:00AM-9:05AM	5.00	V.Lundquist	707
98902	MTWTH	9:30AM-10:35AM	5.00	B.Krein	707
98915	MTWTH	9:30AM-10:35AM	5.00	B.Krein	707
To register for Section 98915, students must participate in one of the Math Plus sessions offered during the summer, must not have taken a math class at Cabrillo, and MUST assess into a higher math level after Math PLUS. The summer sessions meet 6/12-6/16 or 8/14-8/18, MTWTHF, 9:00AM-3:00PM in Room 501, or 8/14-8/18, MTWTHF, 5:30PM-9:00PM in Room 501. For information, go to http://go.cabrillo.edu/mathplus or call the Learning Communities Center at (831) 477-3340.					
98903	MTWTH	9:30AM-10:35AM	5.00	G.Rodriguez	WatA240
98907	MW	11:10AM-1:35PM	5.00	L.Simcik	HORT5005
98906	MTWTH	11:10AM-12:15PM	5.00	L.Meyer	717
98916	MTWTH	11:10AM-12:15PM	5.00	L.Meyer	717
Students must be enrolled in the STARS First Year Experience program. For more information, call (831) 477-3290 or see www.cabrillostars.org .					
98908	TTH	11:10AM-1:35PM	5.00	M.Buchanan	825
98909	TTH	11:10AM-1:35PM	5.00	G.Aleu	WatA260
98905	TTH	12:40PM-3:05PM	5.00	J.Malokas	718
98910	TTH	12:40PM-2:00PM	5.00	M.Caspers & M.Caspers	715 OL
Section 98910 is a Hybrid ONLINE course. It meets weekly throughout the semester at the scheduled times with an additional 1 hr 30 min online instruction per week. For details, see instructor's web page at go.cabrillo.edu/online .					
98911	TTH	2:30PM-4:55PM	5.00	L.Simcik	716
98912	TTH	3:15PM-5:40PM	5.00	M.Miller	714
98914	TTH	6:30PM-8:55PM	5.00	.Staff	WatA220
97913	TTH	6:30PM-8:55PM	5.00	M.Miller	709

MATH 154A Elementary Algebra-First Half

Presents the first half of Elementary Algebra and is designed for a wide variety of students, including those who have been unsuccessful in MATH 154, are math anxious, or desire a slower paced, year-long version of MATH 154; and along with MATH 154B is equivalent to MATH 154. May not be taken Pass/No Pass. Prerequisite: MATH 254B or MATH 254CM or MATH 254SI or equivalent skills.

Section	Days	Times	Units	Instructor	Room
98920	MW	9:30AM-11:35AM	5.00	H.Shrum	WatA280
&	TTH	9:30AM-11:35AM		H.Shrum	WatA280

Due to the individual attention provided by the instructor, enrollment is limited to 25.

Section	Days	Times	Units	Instructor	Room
98919	MW	11:10AM-1:15PM	5.00	A.Lobato	709
&	TTH	11:10AM-1:15PM		A.Lobato	709

Due to the individual attention provided by the instructor, enrollment is limited to 25.

Section	Days	Times	Units	Instructor	Room
98921	TWTH	6:30PM-7:45PM	5.00	P.Villapa	WatA380
&	TWTH	7:55PM-9:10PM		P.Villapa	WatA380

Due to the individual attention provided by the instructor, enrollment is limited to 25.

MATH 154B Elementary Algebra-Second Half

Presents the second half of Elementary Algebra and is intended only for students who have successfully completed MATH 154A. May not be taken Pass/No Pass. Prerequisite: MATH 154A.

Section	Days	Times	Units	Instructor	Room
98922	MW	12:40PM-2:45PM	5.00	M.DeSmet	713
&	TTH	12:40PM-2:45PM		M.DeSmet	713

Due to the individual attention provided by the instructor, enrollment is limited to 25.

MATH 158BF Algebra Review- Basic Factoring

Covers prerequisite skills for factoring followed by extensive drill on the five factoring techniques typically included in an elementary algebra course. Pass/No Pass grading only. Corequisite: MATH 154 or higher level math course.

Section	Days	Times	Units	Instructor	Room
98923	Arr.	Arr.	0.50	E.Braunhut	LRC1074

1 hr 20 min arranged per week. Open Entry/Open Exit.

MATH 158PF Algebra Review-Polynomial Fractions

Covers addition and subtraction of polynomial fractions at the level of elementary algebra in an independent instruction module. Pass/No Pass grading only. Corequisite: MATH 154 or higher level math course.

Section	Days	Times	Units	Instructor	Room
98925	Arr.	Arr.	0.50	E.Braunhut	LRC1074

1 hr 20 min arranged per week. Open Entry/Open Exit.

MATH 158SI Using the Metric System

Introduces the units and uses of the metric system and its applications in an independent instruction module. Pass/No Pass grading only. Corequisite: MATH 154 or higher level math course.

Section	Days	Times	Units	Instructor	Room
98926	Arr.	Arr.	0.50	E.Braunhut	LRC1074

1 hr 20 min arranged per week. Open Entry/Open Exit.

MATH 158T Preparation for Tutoring Mathematics

Provides tutoring techniques and hands-on training for math tutors and those interested in tutoring mathematics. Pass/No Pass grading only. Recommended Preparation: MATH 4 with a grade of "B" or better or MATH 2 and MATH 3 with a grade of "B" or better.

Section	Days	Times	Units	Instructor	Room
98927	Arr.	Arr.	1.00	E.Braunhut	LRC1074

3 hr 5 min arranged per week. Open Entry/Open Exit.

MATH 254A Essential Mathematics - First Half

Presents the first half of Essential Mathematics and along with MATH 254B is equivalent to MATH 254CM or MATH 254SI.

Section	Days	Times	Units	Instructor	Room
98936	MW	11:10AM-1:15PM	4.00	M.Stamp	712

98938	MW	12:40PM-2:45PM	4.00	G.Rodriguez	WatA240
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98939	MW	1:30PM-3:35PM	4.00	M.Stamp	712
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98940	TTH	1:30PM-3:35PM	4.00	A.Lobato	712
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98942	TTH	6:00PM-8:05PM	4.00	M.Chapa	713
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98943	TTH	6:30PM-8:35PM	4.00	J.Cristobal	WatA240
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MATH 254B Essential Mathematics - Second Half

Presents the second half of Essential Mathematics and is intended only for students who have successfully completed MATH 254A. Prerequisite: MATH 254A.

Section	Days	Times	Units	Instructor	Room
98946	TTH	8:30AM-10:35AM	4.00	G.Aleu	WatA260

98947	MW	12:40PM-2:45PM	4.00	H.Payne	717
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98948	TTH	12:40PM-2:45PM	4.00	H.Payne	717
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98949	MW	2:10PM-4:15PM	4.00	K.McCandless	709
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MATH 254CM Essential Mathematics-Computer Mediated

Presents topics in an accelerated format using computer software, assisted by the instructor, and covers whole numbers, fractions, decimals, percents, signed numbers, equations, statistics, proportions, and geometry.

Section	Days	Times	Units	Instructor	Room
98950	Arr.	Arr.	2.00	D.Reynolds	OL

Section 98950 is an ONLINE course. REQUIRED onlineorientation. Students will complete exams at the Watsonville Center on 9/11, 10/2, 10/23, 11/13, and 12/4 from 6:30PM-8:30PM and 12/11 from 5:00PM-8:00PM in Room WatC105. Make sure Admissions and Records has your current email address. If you have any questions email the instructor at dareynol@cabrillo.edu. For details, see instructor's web page at go.cabrillo.edu/online.

MATH 254SI Essential Mathematics With Supplemental Instruction

Presents topics in an accelerated format and covers whole numbers, fractions, decimals, percents, signed numbers, equations, statistics, proportions, and geometry with a required supplemental instruction component. Recommended Preparation: Eligibility for READ 205 by Assessment.

Section	Days	Times	Units	Instructor	Room
98952	MTWTH	9:30AM-10:50AM	6.00	A.Lobato	712
98954	MTWTH	11:10AM-12:30PM	6.00	L.Leum	718
98955	MTWTH	11:10AM-12:30PM	6.00	L.Leum	718

Students must be enrolled in the STARS First Year Experience program. For more information, call (831) 477-3290 or see www.cabrillostars.org.

98953	MTWTH	11:10AM-12:30PM	6.00	G.Rodriguez	WatA240
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MATH 502 Supervised Tutoring

Provides supervised tutoring assistance in basic skills mathematics and basic skills mathematics applications found in other courses.

Section	Days	Times	Units	Instructor	Room
98970	Arr.	Arr.	0.00	T.Martin	WatA210

10 hr 20 min arranged per week. Open Entry/Open Exit.

98967	Arr.	Arr.	0.00	E.Braunhut	LRC1074
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10 hr 20 min arranged per week. Open Entry/Open Exit.

98968	Arr.	Arr.	0.00	E.Braunhut	LRC1074
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10 hr 20 min arranged per week. Open Entry/Open Exit.

98969	Arr.	Arr.	0.00	E.Braunhut	LRC1074
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10 hr 20 min arranged per week. Open Entry/Open Exit.

98971	Arr.	Arr.	0.00	E.Braunhut	LRC1074
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10 hr 20 min arranged per week. Open Entry/Open Exit.

98972	Arr.	Arr.	0.00	E.Braunhut	1080A
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10 hr 20 min arranged per week. Open Entry/Open Exit.

MATH 550A Whole Numbers and Decimals

Covers arithmetic procedures involving whole numbers and decimals.

Section	Days	Times	Units	Instructor	Room
98975	Arr.	Arr.	0.00	E.Green	WatA330

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room
Wat A330: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.

MATH 550B Fractions

Covers arithmetic procedures involving fractions.

Section	Days	Times	Units	Instructor	Room
98976	Arr.	Arr.	0.00	E.Green	WatA330

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room
Wat A330: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.

MATH 550C Ratios, Proportions and Percents

Covers arithmetic procedures involving ratios, proportions, and percents.

Section	Days	Times	Units	Instructor	Room
98977	Arr.	Arr.	0.00	E.Green	WatA330

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room
Wat A330: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.

MATH 550D Geometry, Graphs, Measurements, and Statistics

Covers geometry, graphs, measurements, and statistics.

Section	Days	Times	Units	Instructor	Room
98978	Arr.	Arr.	0.00	E.Green	WatA330

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room
Wat A330: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.

MATH 550E Signed Numbers

Covers arithmetic procedures involving signed numbers.

Section	Days	Times	Units	Instructor	Room
98979	Arr.	Arr.	0.00	E.Green	WatA330

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room
Wat A330: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.

MATH 550F Linear Equations

Covers algebraic expressions and simple linear equations.

Section	Days	Times	Units	Instructor	Room
98980	Arr.	Arr.	0.00	E.Green	WatA330

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room
Wat A330: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.