

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
1	MW	10:00AM-12:05PM	4.00	P.Reuschling	715
2	TTH	12:40PM-2:45PM	4.00	S.Tran	707
3	TTH	2:10PM-4:15PM	4.00	A.Miller	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
1	TTH	11:10AM-12:30PM	3.00	H.Payne	713
2	MW	12:40PM-2:00PM	3.00	D.Reynolds	712

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
1	TTH	8:00AM-10:25AM	5.00	L.Meyer	717
3	MW	9:30AM-11:55AM	5.00	D.Lofte	714
5	TTH	9:30AM-11:55AM	5.00	M.Van Der Poel	HORT5005
6	MTWTH	11:10AM-12:15PM	5.00	L.Leum	718
8	MTWTH	11:10AM-12:15PM	5.00	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 .					
7	MTWTH	11:10AM-12:15PM	5.00	L.Leum	718
To register for Section 7-(103334), students must be a participant in the Math Plus program, which meets before the start of the semester. For information, please call the Learning Communities Center at (831) 477-3340.					
9	Arr.	Arr.	5.00	D.Reynolds	OL
&	TTH	12:40PM-2:15PM		D.Reynolds	714
Section 9-(103330) is a Hybrid ONLINE course. Meets weekly at the scheduled times with an additional 1 hr 5 min online per week. For details, see instructor's web page at go.cabrillo.edu/online .					
11	TTH	6:30PM-8:55PM	5.00	D.Viglienzoni	709

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
1	MW	8:15AM-10:40AM	5.00	S.Decelle	810
2	TTH	8:15AM-10:40AM	5.00	S.Decelle	825
3	MTWTH	11:10AM-12:15PM	5.00	J.Caputo	707
4	MW	12:40PM-3:05PM	5.00	L.Simcik	711
5	TTH	2:30PM-4:55PM	5.00	L.Simcik	804

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
1	MTWTH	8:00AM-9:05AM	5.00	B.Krein	708
2	TTH	8:00AM-10:25AM	5.00	J.Suresh	806
3	TTH	11:10AM-1:35PM	5.00	V.Ramos	608
4	TTH	6:30PM-8:55PM	5.00	E.Braunhut	707

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
1	MWF	7:50AM-9:20AM	5.00	D.Reynolds	804
2	MTWTH	9:30AM-10:35AM	5.00	B.Krein	708
3	MW	2:30PM-4:55PM	5.00	L.Leum	707

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
1	TTH	8:00AM-9:20AM	3.00	E.Miles	716
2	MW	12:40PM-2:00PM	3.00	B.Krein	707

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
3	MW	8:00AM-9:20AM	3.00	J.Suresh	712
1	MW	8:00AM-9:20AM	3.00	M.DeSmet	716
2	MW	8:00AM-9:20AM	3.00	M.DeSmet	716

This section is for students in the STEM-T learning community. In order to register for this section, please complete the form at <http://go.cabrillo.edu/STEM-T>.

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
1	MW	11:10AM-12:30PM	3.00	M.Stamp	712
2	TTH	11:10AM-12:30PM	3.00	E.Miles	712

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
1	Arr.	Arr.	5.00	P.Reuschling	OL
Section 1-(103198) is an ONLINE course. Required in-person orientation 1/25 prior to the start of the semester, from 2:00 PM-4:00PM in Room WatA220. Students will complete exams at the Watsonville Center on 2/15, 3/22, 4/26 and 5/10 from 2:00PM-4:00PM in Room WatA220 and 5/24 from 2:00PM-5:00PM in Room WatA220. For details, please see instructor's web page at go.cabrillo.edu/online .					
16	Arr.	Arr.	5.00	H.Payne	OL
Section 16-(103198) is an ONLINE course. Meets 8 weeks 4/2-5/26. In-person orientation on 3/30 from 6:00PM-8:00PM and exams on 4/15, 4/29, and 5/13 from 4:00PM-6:00PM and a final exam on 5/26 from 10:00AM-1:00PM, all in Room Wat A150 at the Watsonville Center. For details, please see instructor's web page at go.cabrillo.edu/online .					
17	Arr.	Arr.	5.00	V.Ramos	OL
Section 17-(103208) is an ONLINE course. Required in-person orientation 1/28, from 4:00 PM-6:00PM in Room WatA150. Students will complete exams at the Watsonville Center on 2/25, 3/25, and 4/29 from 4:00PM-6:00PM in Room WatA150 and 5/20 from 4:00PM-7:00PM in Room WatA150. Make sure Admissions and Records has your current e-mail address. If you have any questions email the instructor at viramos@cabrillo.edu .					
3	MTWTH	8:00AM-9:05AM	5.00	J.Krause	711

Math 12 sections continued on page 4...

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:

MATH 254
 CM or SI
 or 254A + 254B
 Essential Math

MATH 550 A-F
 Non-credit
 Essential Math

26+

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

MATH 154
 or 154A + 154B
 Elementary
 Algebra

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:

MATH 152
 Intermediate Algebra

MATH 142
 or 142A + 142B
 Applied Intermediate
 Algebra

Transfer level

24+

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

MATH 2: Pre-Calculus Algebra
 MATH 3: Pre-Calculus Trig
 MATH 4: Pre-Calc: Alg & Trig
 (Math 2+3 = Math 4)
 MATH 13: Finite Math
 MATH 18: Business Calculus

MATH 10: Survey of College Math
 MATH 12: Statistics
 MATH 15: Number Systems
 BUS 9: Business Statistics
 PSYCH 2A: Stats for Behav Sciences

MATH 112
 Pre Statistics

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.

MATH 12: Statistics

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 sections continued from page 2...

4	TTH	8:30AM-10:55AM	5.00	J.Kearns	715
7	MTWTH	9:30AM-10:35AM	5.00	V.Lundquist	716
6	MTWTH	9:30AM-10:35AM	5.00	J.Krause	711
8	MTWTH	11:10AM-12:15PM	5.00	B.Krein	711
9	MTWTH	11:10AM-12:15PM	5.00	B.Krein	711
Students must be enrolled in the STARS First Year Experience program. For more information, call (831) 477-3290 or see www.cabrillostars.org .					
10	MW	11:10AM-1:35PM	5.00	V.Ramos	WatA360
11	MW	12:40PM-3:05PM	5.00	P.Reuschling	714
12	TTH	12:40PM-3:05PM	5.00	C.Lippi	711
13	MW	2:10PM-4:35PM	5.00	S.Tran	716
14	MW	2:10PM-4:35PM	5.00	S.Tran	716
To register for Section 14-(103207), students must be a participant in the Math Plus program, which meets before the start of the semester. For information, please call the Learning Communities Center at (831) 477-3340.					
15	TTH	6:30PM-8:55PM	5.00	E.Venable	716

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
2	T	6:30PM-9:35PM	3.00	S.Tran	715

MATH 15 Number Systems

Develops quantitative reasoning skills for elementary school teachers through in-depth, integrated explorations of topics in mathematics, including real number systems and subsystems. Offered spring only. Prerequisite: MATH 142 or MATH 152 and MATH 153 or equivalent skills.

Transfer Credit: Transfers to CSU;UC Does not meet the UC math admissions requirement. C-ID MATH 120

Section	Days	Times	Units	Instructor	Room
1	M	3:15PM-5:20PM	3.00	K.McCandless	717
&	W	4:15PM-5:05PM		K.McCandless	717
&	W	3:15PM-4:05PM		K.McCandless	717

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
1	MW	12:40PM-2:45PM	4.00	J.Cass	HORT5005

2	Arr.	Arr.	4.00	E.Miles	OL
&	T	6:30PM-8:35PM		E.Miles	WatA360

Section 2-(103301) is a Hybrid ONLINE course. Meets weekly at the scheduled times with an additional 1 hr 25 min online per week. For details, see instructor's web page at go.cabrillo.edu/online.

MATH 23 Discrete Mathematics

Presents discrete mathematical systems including methods of proof that shape the foundations of computer science. Offered spring only. Prerequisites: CS 11, CS 11M, CS 12GP, CS 12J or equivalent skills; MATH 5A or equivalent skills.

Recommended Preparation: CS 19 or CS 20J or equivalent skills.

Transfer Credit: Transfers to CSU;UC C-ID COMP 152

Section	Days	Times	Units	Instructor	Room
1	TTH	3:30PM-4:50PM	4.00	J.Bergamini	806
&	Arr.	Arr.		J.Bergamini	OL

Section 1-(103306) is a Hybrid ONLINE course. Meets weekly throughout the semester at the scheduled times with an additional 3 hr 5 min online lab per week. Students will be required to show that they meet the course prerequisites. For details, see instructor's web page at go.cabrillo.edu/online.

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
1	MW	9:30AM-11:55AM	5.00	J.Suresh	713
2	TTH	9:30AM-11:55AM	5.00	P.Reuschling	WatA220
3	MW	12:40PM-3:05PM	5.00	E.Miles	715

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
1	Arr.	Arr.	5.00	G.Rodriguez	OL
Section 1-(103222) is an ONLINE course. Required online orientation. Exams on 2/21, 4/4, and 5/2 from 3:00PM-5:00PM and final exam on 5/23 from 3:00PM-6:00PM, all in Room WatA280 at the Watsonville Center. For details, please see instructor's web page at go.cabrillo.edu/online .					
2	MTWTH	8:00AM-9:05AM	5.00	V.Lundquist	714
3	MTWTH	11:10AM-12:15PM	5.00	V.Lundquist	716
4	TTH	12:40PM-3:05PM	5.00	J.Cass	712
5	MW	6:30PM-8:55PM	5.00	K.McCandless	714

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. 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. Prerequisite: MATH 142A.

Section	Days	Times	Units	Instructor	Room
1	MW	8:00AM-9:20AM	4.00	J.Caputo	713
&	TTH	8:00AM-9:20AM		J.Caputo	713

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
1	Arr.	Arr.	5.00	V.Lundquist	OL
Section 1-(103236) is an ONLINE course. Required online orientation. Exams on 2/21, 3/14, 4/18, and 5/9 from 6:00PM-8:00PM and final exam on 5/23 from 6:00PM-8:50PM, all in Room WatA280 at the Watsonville Center on dates to be determined. For details, please see instructor's web page at go.cabrillo.edu/online .					

18 Arr. Arr. 5.00 M.Arvizu OL
Section 18-(103264) is an ONLINE course. Meets 8 weeks 4/2-5/26. In-person orientation on 4/2 from 10:00AM-11:00AM, exams on 4/13 and 5/4 from 10:30AM-12:30AM, and final exam on 5/25 from 10:30AM-1:30AM, all in Room WatA160 at the Watsonville Center. For details, please see instructor's web page at go.cabrillo.edu/online.

2 Arr. Arr. 5.00 M.DeSmet OL
Section 2-(103259) is an ONLINE course. To be held at the Watsonville Center: in-person orientation on 1/28 (before the start of the semester) from 5:00PM-7:00PM in WatA160 and exams on 2/20, 3/13, 4/17, and 5/8 from 4:00PM-6:00PM in WatA150 and final exam on 5/22 from 3:00PM-5:50PM in WatA150. For details, please see instructor's web page at go.cabrillo.edu/online.

4 MW 8:00AM-10:25AM 5.00 L.Meyer 717

3 MTWTH 8:00AM-9:05AM 5.00 S.Kiselstein 707

5 MTWTH 8:15AM-9:20AM 5.00 G.Rodriguez WatA220

6 MTWTH 9:30AM-10:35AM 5.00 S.Kiselstein 707

7 TTH 9:30AM-11:55AM 5.00 M.Caspers 714

8 MTWTH 11:10AM-12:15PM 5.00 P.Villapa 825

9 MTWTH 11:10AM-12:15PM 5.00 P.Villapa 825
Students must be enrolled in the STARS First Year Experience program. For more information, call (831) 477-3290 or see www.cabrillostars.org.

10 MTWTH 11:10AM-12:15PM 5.00 M.Miller 708

11 TTH 11:10AM-1:35PM 5.00 J.Suresh 715

12 TTH 11:10AM-1:35PM 5.00 J.Suresh 715
To register for Section 12-(103260), students must be a participant in the Math Plus program, which meets before the start of the semester. For information, please call the Learning Communities Center at (831) 477-3340.

13 MW 12:40PM-3:05PM 5.00 J.Krause 708

14 TTH 12:40PM-3:05PM 5.00 J.Krause 708

15 TTH 3:15PM-5:40PM 5.00 A.Berman 713

19 MW 5:30PM-7:55PM 5.00 V.Ramos WatA320

17 MW 6:30PM-8:55PM 5.00 J.Perez WatA360

16 TTH 6:30PM-8:55PM 5.00 A.Berman 713

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
1	Arr.	Arr.	5.00	M.Caspers	OL
Section 1 is an ONLINE course. In-person exams on 3/5 and 4/16 from 4:00PM-6:00PM, and final exam on 5/21 from 4:00PM-7:00PM, all in Room WatA220 at the Watsonville Center. For details, please see instructor's web page at go.cabrillo.edu/online .					
2	MTWTH	8:00AM-9:05AM	5.00	M.Miller	709
3	MTWTH	9:30AM-10:35AM	5.00	M.Miller	709
4	MTWTH	9:30AM-10:35AM	5.00	M.Miller	709
To register for Section 4-(103286), students must be a participant in the Math Plus program, which meets before the start of the semester. For information, please call the Learning Communities Center at (831) 477-3340.					
5	MTWTH	9:30AM-10:35AM	5.00	M.Buchanan	WatA240
8	MTWTH	11:10AM-12:15PM	5.00	M.Buchanan	WatA240
9	MTWTH	11:10AM-12:15PM	5.00	M.Buchanan	WatA240
To register for Section 9-(103287), students must be a participant in the Math Plus program, which meets before the start of the semester. For information, please call the Learning Communities Center at (831) 477-3340.					
6	MTWTH	11:10AM-12:15PM	5.00	L.Meyer	717
7	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 .					
10	MW	12:40PM-3:05PM	5.00	J.Smith	718
12	TTH	12:40PM-3:05PM	5.00	L.Leum	718
11 &	TTH Arr.	12:40PM-2:00PM Arr.	5.00	M.Caspers M.Caspers	716 OL
Section 11-(103265) is a Hybrid ONLINE course. Meets weekly at the scheduled times with an additional 1 hr 30 min online per week. For details, see instructor's web page at go.cabrillo.edu/online .					
13	MW	3:15PM-5:40PM	5.00	L.Simcik	714
14	MW	6:30PM-8:55PM	5.00	J.Smith	716
15	TTH	6:30PM-8:55PM	5.00	S.Politis	WatA220

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
1	MW	12:40PM-2:45PM	5.00	M.DeSmet	713
&	TTH	12:40PM-2:45PM		M.DeSmet	713
Due to 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
1	MW	9:30AM-11:35AM	5.00	H.Shrum	WatA380
&	TTH	9:30AM-11:35AM		H.Shrum	WatA380
Due to individual attention provided by the instructor, enrollment is limited to 25.					
2	MW	11:10AM-1:15PM	5.00	A.Lobato	709
&	TTH	11:10AM-1:15PM		A.Lobato	709
Due to individual attention provided by the instructor, enrollment is limited to 25.					
3	TWTH	6:30PM-7:45PM	5.00	P.Villapa	WatA380
&	TWTH	7:55PM-9:10PM		P.Villapa	WatA380
Due to 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
1	Arr.	Arr.	0.50	E.Braunhut	LRC1074
1 hr 20 min arranged per week. Open Entry/Open Exit. Students may register through the 12th week.					

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
1	Arr.	Arr.	0.50	E.Braunhut	LRC1074
1 hr 20 min arranged per week. Open Entry/Open Exit. Students may register through the 12th week.					

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
1	Arr.	Arr.	0.50	E.Braunhut	LRC1074
1 hr 20 min arranged per week. Open Entry/Open Exit. Students may register through the 12th week.					

MATH 158T Preparation for Tutoring Mathematics

Provides tutoring techniques and hands-on training for math tutors and those interested in tutoring mathematics. 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
1	Arr.	Arr.	1.00	E.Braunhut	LRC1074
3 hr 5 min arranged per week. Open Entry/Open Exit. Students may register through the 12th week.					
2	Arr.	Arr.	1.00	K.Horner	834
+2 hr 5 min open lab per week. Open Entry/Open Exit. Students may register through the 12th week.					

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
1	MW	8:30AM-10:35AM	4.00	M.Stamp	718
2	MW	12:40PM-2:45PM	4.00	G.Rodriguez	WatA280
3	TTH	12:40PM-2:45PM	4.00	J.Caputo	717
5	MW	6:30PM-8:35PM	4.00	M.Chapa	712

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 or equivalent skills.

Section	Days	Times	Units	Instructor	Room
1	TTH	8:30AM-10:35AM	4.00	A.Lobato	718
2	MW	12:40PM-2:45PM	4.00	M.Stamp	717
4	TTH	6:30PM-8:35PM	4.00	M.Chapa	WatA240

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
1	Arr.	Arr.	2.00	D.Reynolds	OL
Section 1-(103320) is an ONLINE course. Required online orientation. Exams will be complete in-person at the Watsonville Center on 2/10, 3/3, 3/24, 4/21, and 5/12 from 1pm-3pm in Room WatA160 and the final on 5/21 from 5pm-8pm in Room WatA160. For details, please 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
1	MTWTH	9:30AM-10:50AM	6.00	P.Villapa	712
Students are required to attend Supplemental Instruction sessions outside of regular class time.					
2	MTWTH	11:10AM-12:30PM	6.00	G.Rodriguez	WatA280
Students are required to attend Supplemental Instruction sessions outside of regular class time.					
3	MTWTH	1:30PM-2:50PM	6.00	A.Lobato	801
Students are required to attend Supplemental Instruction sessions outside of regular class time.					
4	MTWTH	1:30PM-2:50PM	6.00	A.Lobato	801
Students must be enrolled in the STARS First Year Experience program. For more information, call (831) 477-3290 or see www.cabrillostars.org . Students are required to attend Supplemental Instruction sessions outside of regular class time.					

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
1	Arr.	Arr.	0.00	E.Braunhut	LRC1074
10 hr 20 min arranged per week.					
2	Arr.	Arr.	0.00	E.Braunhut	LRC1074
10 hr 20 min arranged per week.					
4	Arr.	Arr.	0.00	E.Braunhut	LRC1080A
10 hr 20 min arranged per week.					
3	Arr.	Arr.	0.00	T.Martin	WatA210
10 hr 20 min arranged per week.					

MATH 550A Whole Numbers and Decimals

Covers arithmetic procedures involving whole numbers and decimals.

Section	Days	Times	Units	Instructor	Room
1	Arr.	Arr.	0.00	E.Green	WatA350
23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room Wat A350: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.					
2	Arr.	Arr.	0.00	E.Green	715
23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room 715: MW 3:15PM-5:15PM.					

MATH 550B Fractions

Covers arithmetic procedures involving fractions.

Section	Days	Times	Units	Instructor	Room
2	Arr.	Arr.	0.00	E.Green	715
23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room 715: MW 3:15PM-5:15PM.					
1	Arr.	Arr.	0.00	E.Green	WatA350
23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room Wat A350: 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
1	Arr.	Arr.	0.00	E.Green	WatA350

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room Wat A350: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.

2	Arr.	Arr.	0.00	E.Green	715
---	------	------	------	---------	-----

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room 715: MW 3:15PM-5:15PM.

MATH 550D Geometry, Graphs, Measurements, and Statistics

Covers geometry, graphs, measurements, and statistics.

Section	Days	Times	Units	Instructor	Room
2	Arr.	Arr.	0.00	E.Green	715

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room 715: MW 3:15PM-5:15PM.

1	Arr.	Arr.	0.00	E.Green	WatA350
---	------	------	------	---------	---------

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room Wat A350: 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
1	Arr.	Arr.	0.00	E.Green	WatA350

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room Wat A350: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.

2	Arr.	Arr.	0.00	E.Green	715
---	------	------	------	---------	-----

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room 715: MW 3:15PM-5:15PM.

MATH 550F Linear Equations

Covers algebraic expressions and simple linear equations.

Section	Days	Times	Units	Instructor	Room
2	Arr.	Arr.	0.00	E.Green	715

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room 715: MW 3:15PM-5:15PM.

1	Arr.	Arr.	0.00	E.Green	WatA350
---	------	------	------	---------	---------

23 hr 24 min arranged total. Open Entry/Open Exit. Lab hours in Room Wat A350: MW 6:30PM-8:30PM; S 10:00AM-1:00PM.



GET READY FOR MATH! Register for a **FREE** one-week intensive math review to prepare for your upcoming math class or to retake the math placement test. **SAVE** a semester of math and/or be more prepared to succeed in your math class.

For more information and to apply,

See the Math PLUS website:

go.cabrillo.edu/mathplus

or contact the Math PLUS Coordinator Eric Grabiell:

E-mail: mathplus@cabrillo.edu

Phone (831) 477-3340

SPRING SESSION DATES:

Day: January 16-19, 2018

Evening: January 16-25, 2018