

B.S. – MATHEMATICS

Core Course Requirements: 80 credits

The following 45 core Math credits must be earned with a "C" or higher

- MATH 2215 Calculus I (5)
- MATH 2216 Calculus II (5)
- MATH 2217 Calculus III (5)
- CSIS 2101 Programming and Problem Solving I (4)
- MATH 3328 Differential Equations (4)
- MATH 3323 Linear Algebra (4)
- MATH 3325 Foundations of MATH (4)
- PHYS 2220/25 Physics I with lab (6)
- PHYS 2230/35 Physics II with lab (6)
- MATH 4600 Math Seminar (1)
- MATH 4600 Math Seminar (1)

Group I Choose ONE course from:

- MATH 4491 Innerconnections in Math (4)
- MATH 4431 Real Analysis (4)
- MATH 4432 Complex Analysis (4)
- MATH 4441 Abstract Algebra (4)
- MATH 4445 Topics in Geometry (4)
- MATH 4481 Topics in Mathematics (4)

Group II Choose ONE course from:

- MATH 4451 Probability and Statistics I (4)
- MATH 4452 Probability and Statistics II (4)
- MATH 4461 Numerical Analysis (4)
- MATH 4471 Computer Algorithms (4)
- MATH 4472 Theory of Computation (4)
- MATH 4481 Topics in Math (4)
- MATH 4491 Partial Differential Equations (4)

Select TWO courses from Group I or II

- _____ (4)
- _____ (4)

COGNATE CHOICES

Consult with your Math Preceptor for choices from PHYS, CSIS, ECON, MATH, MARS or GNM 2161, 2113, 3149 or 2245

Choose MATH/Cognate courses to equal 80 total prog. credits.

- MATH/Cognate _____ (4)
- MATH/Cognate _____ (4)
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Quantitative Reasoning Requirements (3 courses)

Two Q1 courses may be in transfer. Q2 courses must be taken at Stockton

Q1 _____ Q2 _____ Q1 or Q2 _____

Prerequisites must be met. Please consult the Catalog of Courses for information.

"The student is responsible for insuring that all graduation requirements are met" (Bulletin). Consult with your preceptor and/or the Center for Academic Advising on a regular basis.



General Studies Requirements: 48 credits Total

32 Credits in 'G' Category Courses

No more than 12 credits in any one "G" category may be applied towards the BS degree

- General Interdisciplinary (GEN) – up to 4 credits
- General Integration & Synthesis (GIS) – up to 4 credits*
- General Arts and Humanities (GAH) – up to 8 credits
- General Natural Science & Math (GNM) – up to 8 credits
- General Social Science (GSS) – up to 8 credits

*Must be taken junior or senior year

At Some Distance Electives: 16 credits

Courses unrelated to your major

General Studies Outcome Requirement

These courses are listed as attributes and should be completed within the 128 credits needs to graduate.

- Arts (A) Historical Consciousness (H)
- Values/Ethics (V) International/Multicultural (I)

Writing Requirement (4 courses)

Two W1 courses may be in transfer. W2 courses must be taken at Stockton

W1 _____ W1/W2 _____

W1/W2 _____

W1/W2–3000 level _____