

# B.A. – BIOLOGY

## HEALTH PROFESSIONS CONCENTRATION

Credit for BIOL 1200/05, 1400/05, and 2110/15 may only be earned with a “C” or better

### Core Course Requirements: 64 credits

#### A GPA of 2.0 required in program/cognate courses

- MATH 1100 Precalculus OR (4)
- MATH 2215 Calculus I (5)
- BIOL 1200/05 Cells & Molecules (5)
- CHEM 2110/15 General Chemistry I w/lab (5)
- BIOL 1400/05 Biodiversity & Evolution (5)
- BIOL 2110/15 Genetics w/lab (4)
- CHEM 2120/25 Chemistry II Organic w/lab (5)
- BIOL 2600 Scientific Literary (Spring soph yr) (1)
- BIOL 4600 Biology Seminar (1)
- CHEM 2130 Chemistry III: Organic Reactions (4)
- CHEM 2140 Chemistry IV: Theory & App. (4)
- PHYS 2110/15 Physics I for Life Sciences (5)
- PHYS 2120/15 Physics II for Life Sciences (5)

#### Three, 3000 level courses, such as: (4)

- BIOL 3105 Biostatistics
- BIOL 3170 Microbiology w/lab
- CHEM 3250 Biochemistry
- BIOL \_\_\_\_\_
- BIOL \_\_\_\_\_
- BIOL/CHEM \_\_\_\_\_

#### A PLANTS course, such as: (4)

- BIOL 2120 Botany
- BIOL 3180 Plant Physiology
- BIOL 3365 Economic Botany
- BIOL/ENVL 3414 Plant Ecology
- BIOL 3465 Tide Marsh Ecology
- BIOL 3417/ENVL 3416 Dendrology
- MARS 3335 Marine Botany
- MARS 3336 Marine Plant Ecology

#### Other Biology/Cognates if needed to equal program total of 64 credits

- BIOL/Cognate \_\_\_\_\_
- BIOL/Cognate \_\_\_\_\_
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- BIOL/Cognate \_\_\_\_\_
- BIOL/Cognate \_\_\_\_\_

### General Studies Requirements: 64 credits Total

32 Credits in 'G' Category Courses

No more than 16 credits in any one “G” category may be applied towards the BA degree

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

\*Must be taken junior or senior year



### At Some Distance Electives: 32 credits

Courses unrelated to your major (\*suggested courses)

PSYC 1100\*    SOCY 1100\*    \_\_\_\_\_

\_\_\_\_\_

### 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 are often required by medical, dental, and veterinary schools.

W1 \_\_\_\_\_ W1/W2 \_\_\_\_\_

W1/W2 \_\_\_\_\_

W1/W2–3000 level \_\_\_\_\_

### Quantitative Reasoning Requirements (3 courses)

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

Q1 \_\_\_\_\_ Q2 \_\_\_\_\_ Q1 or Q2 \_\_\_\_\_

# B.S. – BIOLOGY

## HEALTH PROFESSIONS CONCENTRATION

Credit for BIOL 1200/05, 1400/05, 2600, and 2110/15 may only be earned with a “C” or better

### Core Course Requirements: 80 credits

#### A GPA of 2.0 required in program/cognate courses

- MATH 1100 Precalculus OR (4)
- MATH 2215 Calculus I (5)
- BIOL 1200/05 Cells & Molecules (5)
- CHEM 2110/15 General Chemistry I w/lab (5)
- BIOL 1400/05 Biodiversity & Evolution (5)
- BIOL 2110/15 Genetics w/lab (4)
- CHEM 2120/25 Chemistry II Organic w/lab (5)
- BIOL 2600 Scientific Literacy (Spring Soph. yr) (1)
- BIOL 4600 Biology Seminar (1)
- CHEM 2130 Chemistry III: Organic Reactions (4)
- CHEM 2140 Chemistry IV: Theory & App. (4)
- BIOL/CHEM 3250 Biochemistry (4)
- BIOL 3170 Microbiology OR (4)
- other 3000 level \_\_\_\_\_ (4)
- PHYS 2110/15 Physics for Life Science I w/lab OR (4)
- PHYS 2220/25 Physic I w/lab (5-6) \_\_\_\_\_
- PHYS 2120/25 Physics for Life Science II w/lab OR (4)
- PHYS 2230/35 Physics II w/lab (5-6) \_\_\_\_\_
- BIOL 3000 or 4999 level \_\_\_\_\_ (4)

#### A PLANTS course, such as:

- BIOL 2120 Botany (4)
- BIOL 3180 Plant Physiology
- BIOL 3365 Economic Botany
- BIOL/ENVL 3414 Plant Ecology
- BIOL 3465 Tide Marsh Ecology
- BIOL 3417/ENVL 3416 Dendrology
- MARS 3335 Marine Botany
- MARS 3336 Marine Plant Ecology

#### The following courses are strongly suggested as subject matter is tested on the MCATS

- PYSC 1100 Intro to Psychology (4)
- SOCY 1100 Intro to Sociology (4)

BIOL 4800/4900 BIOL Senior Project with poster session optional, but strongly encouraged. Required to be considered for program distinction \_\_\_\_\_

#### Other Biology/Cognates if needed to equal program total of 80 credits. Choose from BCMB, CHEM, ENVL, GEOL, MARS, MATH, PHYS or SUST

- BIOL/Cognate \_\_\_\_\_
- BIOL/Cognate \_\_\_\_\_
- BIOL/Cognate \_\_\_\_\_
- BIOL/Cognate \_\_\_\_\_
- BIOL/Cognate \_\_\_\_\_

### General Studies Requirements: 48 credits Total

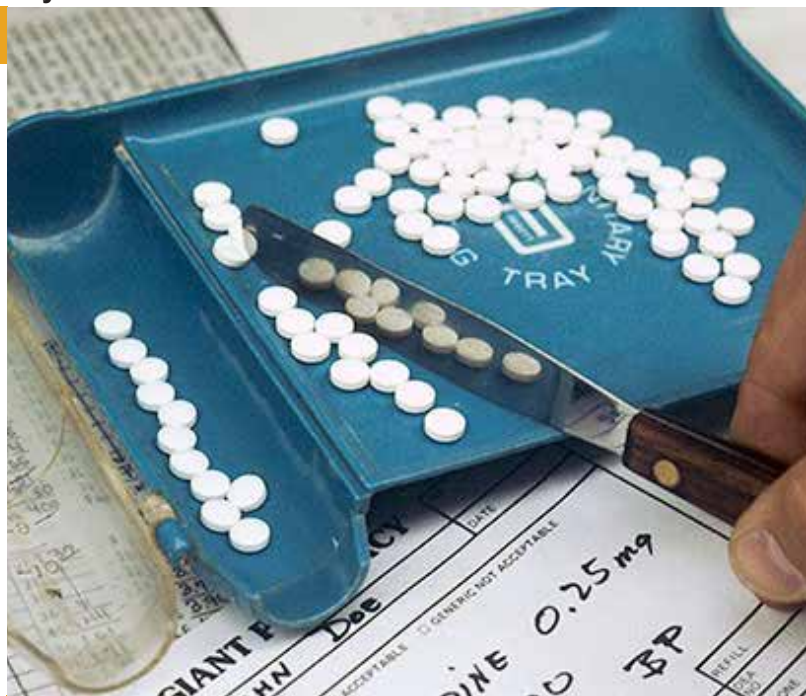
32 Credits in 'G' Category Courses

#### No more than 16 credits in any one “G” category may be applied towards the BS degree

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

#### \*Must be taken junior or senior year

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



### At Some Distance Electives: 16 credits

Courses unrelated to your major

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\_\_\_\_\_

### 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 are often required by medical, dental, and veterinary schools.

W1 \_\_\_\_\_ W1/W2 \_\_\_\_\_

W1/W2 \_\_\_\_\_

W1/W2–3000 level \_\_\_\_\_

### Quantitative Reasoning Requirements (3 courses)

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

Q1 \_\_\_\_\_ Q2 \_\_\_\_\_ Q1 or Q2 \_\_\_\_\_