Meet your Biology Department faculty

Bournias Chao Dodsworth Ferrari Heras Horner Lopez

Metcalf Newcomb Nickerson Orwin Owerkowicz Polcyn

Putnam Rhoads Skillman Smith Sumida Williams
What can you do with a Biology degree?

- Healthcare-related:
  - Medicine, Dentistry, Optometry, etc.
  - Veterinary medicine
  - CLS/MLS, PA, etc.
  - Pharmacy (see also: Biochemistry)
  - Not Nursing!

- Wildlife resource management
  - State and federal government
  - Zoological organizations, NGOs
  - Industry
What can you do with a Biology degree?

- Industrial/commercial:
  - Agriculture
  - Biotechnology
  - Manufacturing

- Research:
  - Lab technician
  - Graduate school (MS, PhD)
  - Museums

- Teaching/outreach:
  - K-12 science education
  - Higher education
  - Science communication/media
B.S. in Biology semester degree requirements
Arrows indicate prerequisites

Completion of or enrollment in Math 1301, 1303, 1401, 1403, 1601, 2210, or 2220

General Chemistry (Year 1)
Chem 2100 + 2100L
Chem 2200 + 2200L

2nd year Chemistry (Year 2): Choose from the following
Chem 2400 + 2400L
Chem 2500 + 2500L
1 yr Organic Chemistry
Chem 2300 + 2400L
Chem 4100 + 4100L
or Organic + Quantitative Chem.
Chem 2300 + 2400L
Chem 3200
Chem 354

Intro. Biol. (Year 2)
Biol 200
Biol 201 202
Biol 2010
Biol 2020

Biol. Seminar (Year 3 or 4)
Biol 5000

Math 1401, 1403, or suitable placement score
Math 211
(Math 211
192 by waiver)

Calculus (Year 1)
Math 2210

General Physics (Year 2 or 3): Choose from the following
Phys 2000 + 2000L
Phys 2010 + 2010L
or
Phys 2500 + 2500L
Phys 2510 + 2510L
Phys 2700

General Ed. (GE) classes

29 units upper division Biology, including at least one class from each of Groups A, B, C and D (Years 3-4)*

Group A (Cell/Molecular)
Biol 3100, 3120, 3200, 3300
Biol 3410, 3420, 3430, 3440, 3450, 3460, 3630, 3640

Group B (Zoology)
Biol 319
Biol 3520, 3540, 4510, 4580

Group C (Botany)
Biol 3700, 3800, 3820

Group D (Populations and Ecosystems)
Biol 321, 450

*Some upper division Biology classes may have Organic Chemistry, Biochemistry, or Calculus as prerequisites.

Quarter equivalent classes shown in red
Use assist.org to check community college transferability!

http://www.assist.org
Community college transfer courses for Biology at CSUSB

<table>
<thead>
<tr>
<th>Course subject</th>
<th>General biology sequence for majors with lab ¹</th>
<th>General chemistry sequence for majors with lab</th>
<th>Organic Chemistry with lab ²</th>
<th>Calculus</th>
<th>General physics sequence with lab ³</th>
<th>Alternate Physics sequence ⁴</th>
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</thead>
<tbody>
<tr>
<td>STEM classes for Biology majors at CSUSB</td>
<td>BIOL 2010 BIOL 2020</td>
<td>CHEM 2100, 2100L</td>
<td>CHEM 2400, 2400L</td>
<td>CHEM 2500, 2500L</td>
<td>MATH 2210</td>
<td>PHYS 2000, 2000L</td>
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<tr>
<td>Barstow Community College</td>
<td>BIOL 20A BIOL 20B</td>
<td>CHEM 2A</td>
<td>CHEM 2B</td>
<td>CHEM 3A</td>
<td>CHEM 3B</td>
<td>MATH 4A</td>
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<tr>
<td>Chaffey College</td>
<td>BIOL 61 BIOL 62 BIOL 63</td>
<td>CHEM 24A</td>
<td>CHEM 24B</td>
<td>CHEM 75A</td>
<td>CHEM 75B</td>
<td>MATH 65A</td>
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<tr>
<td>College of the Desert</td>
<td>BIOL 5 BIOL 6</td>
<td>CH 1A</td>
<td>CH 1B</td>
<td>CH 10A</td>
<td>CH 10B</td>
<td>MATH 1A</td>
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<td>Crafton Hills College</td>
<td>BIOL 130 or 130H BIOL 131 or 131H</td>
<td>CHEM 150 or 150H</td>
<td>CHEM 151 or 151H</td>
<td>CHEM 212</td>
<td>CHEM 213</td>
<td>MATH 250</td>
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<td>Mt. San Antonio College</td>
<td>BIOL 2 BIOL 4 or 4H</td>
<td>CHEM 50 or 50H</td>
<td>CHEM 51 or 51H</td>
<td>CHEM 80</td>
<td>CHEM 81</td>
<td>MATH 180</td>
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<td>Mt. San Jacinto College</td>
<td>BIOL 150 or 150H BIOL 151 or 151H</td>
<td>CHEM 101</td>
<td>CHEM 102</td>
<td>CHEM 112</td>
<td>CHEM 113</td>
<td>MATH 211</td>
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<td>Riverside City College (incl. MVC and Norco)</td>
<td>BIO 61 BIO 62</td>
<td>CHEM 1A or 1AH</td>
<td>CHEM 1B or 1BH</td>
<td>CHEM 12A</td>
<td>CHEM 12B</td>
<td>MAT 1A</td>
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<td>San Bernardino Valley College</td>
<td>BIOL 205 BIOL 206 BIOL 207</td>
<td>CHEM 150 or 150H</td>
<td>CHEM 151 or 151H</td>
<td>CHEM 212 or 212H</td>
<td>CHEM 213 or 213H</td>
<td>MATH 250</td>
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<td>Victor Valley College</td>
<td>BIOL 201 BIOL 202 BIOL 203</td>
<td>CHEM 201</td>
<td>CHEM 202</td>
<td>CHEM 281</td>
<td>CHEM 282</td>
<td>MATH 226 or 226H</td>
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</table>

Links:
https://www.csusb.edu/sites/default/files/CC%20transfer%20advising%20v5%20JAD.pdf
Biology Dept. advising resources

- Course information
- Online waitlist
- Degree “roadmaps”
- Faculty student hours (for advising)
- Internship opportunities
- Native bird and plants

https://www.csusb.edu/biology
College of Natural Sciences
Professional Advising Center (PAC)

https://www.csusb.edu/cns/student-resources/professional-advising-center
A few important things about email...

- Your email address:
  - (IDnumber)@coyote.csusb.edu
- Email is OFFICIAL!
  - Financial aid deadlines
  - Course information from professors
  - NOBODY has your phone number

' sup doc? i need some help with my class, yo. I don't rly read my email can u txt me instead? thx LOL.