MAJOR REQUIREMENTS WITH BIOLOGY EMPHASIS

LOWER DIVISION (56-57 units):
Biochemistry 95
Biology 5A, 5LA, 5B, 5C
Chemistry 1A, 1LA, 1B, 1LB, 1C, 1LC
Math 8B or 9A, 9B, 46
Physics 2A, 2LA, 2B, 2LB, 2C, 2LC

STATISTICS (5 units):
Statistics 100A

UPPER DIVISION (43 units):
Biochemistry 101 Lab
Biochemistry 102 Lab
Biochemistry 110A, 110B, 110C
Biochemistry 184
Biology 102
Chemistry 109 or 110A
Chemistry 112A, 112B, 112C

BIOCHEMISTRY ELECTIVES (7 units):
At least 7 units from:
BCH 111, 120, 153, 162, 180A, 180B, 180C, 183, 186, 187, 210, 211, 212

• Graduate courses BCH 210-212 require Science GPA > 3.00. You must obtain a BCH Petition from your Professional Academic Advisor for approval by your faculty advisor and the instructor.

Upper-Division requirements (9-15 units). Choose three Biological Science Electives Required From:

BCH 111, 120, 153, 162, 180A, 180B, 180C, 183, 186, 187, 210, 211, 212


BPSC 104, 132, 135, 143, 148, 155

ENTM 100, 128, 173

CBNS 101, 106, 116, 120, 120L, 124, 125, 150, 169

ENSC 100, 155

ENTX 101, 150

MAJOR REQUIREMENTS WITH CHEMISTRY EMPHASIS

LOWER DIVISION (61-62 units):
Biochemistry 95
Biology 5A, 5LA, 5B, 5C
Chemistry 1A, 1LA, 1B, 1LB, 1C, 1LC
Chemistry 5
Math 8B or 9A, 9B, 46
Physics 2A, 2LA, 2B, 2LB, 2C, 2LC

STATISTICS (5 units):
Statistics 100A

UPPER DIVISION (43 units):
Biochemistry 101 Lab
Biochemistry 102 Lab
Biochemistry 110A, 110B, 110C
Biochemistry 184
Biology 102
Chemistry 109 or 110A
Chemistry 112A, 112B, 112C

BIOCHEMISTRY ELECTIVES (7 units):
At least 7 units from:
BCH 111, 120, 153, 162, 180A, 180B, 180C, 183, 186, 187, 210, 211, 212

• Graduate courses BCH 210-212 require Science GPA > 3.00. You must obtain a BCH Petition from your Professional Academic Advisor for approval by your faculty advisor and the instructor.

Students should be aware that CHEM 005 is often a requirement for admission to professional schools.

*Requires 30-40 hours of volunteer work

MAJOR REQUIREMENTS WITH MEDICAL SCIENCES EMPHASIS

LOWER DIVISION (54-55 units):
Biochemistry 95
Biochemistry 96
Biochemistry 98I*
Biology 5A, 5LA, 5B, 5C
Chemistry 1A, 1LA, 1B, 1LB, 1C, 1LC
Math 8B or 9A, 9B (46 recommended)
Physics 2A, 2LA, 2B, 2LB, 2C, 2LC

STATISTICS (5 units):
Statistics 100A

UPPER DIVISION (51 units):
Biology 102
Biochemistry Lab 101
Biochemistry Lab 102
Biochemistry 110A, 110B, 110C
Biochemistry 120
Biochemistry 184
Cell Biology 101
Chemistry 109 or 110A
Chemistry 112A, 112B, 112C

ELECTIVES (8 units):
At least 8 units from:
BIOL 121, BIOL 161A, BIOL 161B, BIOL 171, CBNS 106, CBNS 150

Students should be aware that CHEM 005 is often a requirement for admission to professional schools.

*Requires 30-40 hours of volunteer work

BIOLOGY EMPHASIS
Lower Division 56-57
Statistics 100A 5
Upper Division 50 + (9 to 15 Elective units) = 59 - 65

CHEMISTRY EMPHASIS
Lower Division 61-62
Statistics 100A 5
Upper Division 50 + (8 to 9 Elective units) = 58-59

MEDICAL SCIENCES EMPHASIS
Lower Division 54-55
Statistics 100A 5
Upper Division 51 + (8 Elective units) = 59
Medical Science Emphasis
(B.S.) SAMPLE PROGRAM
with Math 8B or 9A Placement.

FRESHMAN YEAR –

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SOPHOMORE YEAR –

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JUNIOR YEAR –

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<td>Biochemistry 197</td>
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SENIOR YEAR –

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‡Required of BCH New Freshman Admits Fall Quarter

*Required of all BCH Majors with MDSC Emphasis

**BCH 100 is highly recommended (not required) FWS

***Required of all BCH Majors during SO year (FW only)

[Cannot use one course to meet two requirements]

Faculty Advisor:
Paul Larsen (951) 827-2026 paul.larsen@ucr.edu

Professional Academic Advisors:
Denise Correll (951) 827-1763 denise.correll@ucr.edu
Linda Vigil (951) 827-4229 linda.vigil@ucr.edu

Please refer to our advising website for availability at www.myadvising.ucr.edu.

Once matriculated, all Biochemistry Major Requirements must be completed at UCR or with prior written approval if taken at a community college or at another UC Campus. English 1A, 1B, 1C must be completed at UCR. Many requirements allowed to be taken at a community college would be your breadth (i.e., Humanities and Social Science Electives).

BREADTH REQUIREMENTS

English Composition:
English 1A, 1B, 1C (One year sequence) (12)

Humanities -- B.S. Degree: 12 units
World History 10, 15, or 20 (4)
One course in an area of Fine Arts, Literature, Philosophy or Religious Studies (4)
One additional Humanities course (4)

Social Sciences -- B.S. Degree: 12 units
One course from:
Economics or Political Science (4)
One course from:
Anthropology, Psychology, or Sociology (4)
One additional Social Science course (4)

Ethnic Studies (4):
One course in comparative Ethnic Studies Course is also counted toward either the Humanities or the Social Sciences requirement, but not both, depending upon content.

http://www.biochemistry.ucr.edu

For information on B.A. Requirements See Current General Catalog or contact the BCH Professional Academic Advisor listed above.