

Academic Advisement Report
UGRD.USCNC.MCBBS
Undergraduate Career
College of Science Program
Molecular & Cellular Biology Major (BS)
Requirement Term: Fall 2010

Undergraduate Graduation Requirements

(RG511)

All course work and requirements for this degree must be completed prior to the date the degree is awarded. The University of Arizona requirements to follow in this audit are required for graduation and awarding of the degree.

Curriculum:

1. The University of Arizona and the Arizona Board of Regents have sole discretion over all curricula changes.
2. Courses, programs & requirements may be suspended, deleted, restricted, or changed in any manner, at any time.
3. Students must remain currently informed about all policies & other info that bears on completing a degree.

Required Units:

Additional units will be required to complete this degree if a student:

- A) is admitted to the UA with deficiencies;
- B) changes his/her academic plan(s);
- C) fails to meet minimum course/plan requirements;
- D) ineffectively plans or fails to execute a course of study that leads directly to degree completion; or
- E) is completing more than one baccalaureate degree.

The following requirements must be met for graduation.

Units Required and Cumulative GPA

(R2903/L10)

120 units are required at a 2.0 GPA. View the pdf report grid for units earned toward this degree and cumulative GPA.

Completing a second bachelor's degree at The University of Arizona requires no fewer than 30 units in addition to the units required for the first degree, and all requirements for the second degree must be met.

Upper Division Units

(R538/L40)

Not Satisfied: A minimum of 42 units of upper-division credit are required for this degree.

· **Units:** 42.00 required, 0.00 completed, 42.00 needed

Units in Residence

(R538/L60)

Not Satisfied: A minimum of 30 units in residence at The University of Arizona (excluding correspondence credit and credit by exam) is required.

· **Units:** 30.00 required, 0.00 completed, 30.00 needed

Final Units in Residence

(R538/L70)

Not Satisfied: A minimum of 18 of the final 30 units taken toward degree requirements must be in residence at The University of Arizona.

· **Units:** 18.00 required, 0.00 completed, 18.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
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| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
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Correspondence and/or Exam Credit Limit

(R2075/L10)

Satisfied: A maximum of 60 units of Correspondence Credit and/or Exam Credit may apply toward graduation.

Non Degree Seeking Limit

(R838/L10)

A maximum of 15 units completed as a non-degree seeking student may be used for fulfilling undergraduate degree requirements.

Units exceeding this limit must be subtracted from the units required towards the degree and graduation requirements.

Community College Limit

(R1227/L10)

Not Satisfied: A maximum of 64 units of community college course work may apply toward graduation. A minimum of 56 units of course work must be completed at a 4-year institution, military institution, or as test credit.

· **Units:** 56.00 required, 0.00 completed, 56.00 needed

Success Course Limit

(R3297/L10)

Satisfied: No more than 3 units will apply toward a student's graduation requirements.

Success Course units exceeding the 3 unit maximum must be subtracted from the total units, residency requirements and cumulative grade point average.

Foundation Mathematics

(R1434)

Not Satisfied: Foundation Mathematics

GE Substantial Math Strand

(R2612)

Not Satisfied: GE Substantial Math Strand

GE Substantial Math Strand

(R2612/L10)

Not Satisfied: Complete 1 course from MATH 124,125,129,223 TO 499.

Not from: MATH 197A, 199, 199H, 294A, 299, 299H, 301, 302A, 302B, 397A, 399, 399H, 481.

· **Units:** 2.67 required, 0.00 completed, 2.67 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

MATH 124, MATH 125, MATH 125-CC, MATH 129, MATH 129-CC, MATH 215, MATH 223, MATH 223-CC, MATH 250A, MATH 254, MATH 254-CC

Undergraduate General Education and Foundation Requirements

(RG507)

Overall Requirement Not Satisfied: Undergraduate General Education and Foundation Requirements

Foundation Composition

(R532)

Not Satisfied: Complete 1 of the 2 following options:

1. First and Second Semester Composition OR
2. Honors Composition

Mid-Career Writing Assessment - Complete 2nd semester English Composition with a B grade or higher. Students who do not earn a grade of B or better in 2nd semester English Composition must also satisfy a college or department writing requirement. Consult your major advisor if you do not earn a grade of B in 2nd semester English Composition.

Option 1: First Semester Composition

(R532/L10)

Not Satisfied: Complete 1 course.

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

ENGL 101, ENGL 103H, ENGL 107

AND Option 1: Second Semester Composition

(R532/L20)

Not Satisfied: AND Complete 1 course

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

ENGL 102, ENGL 104H, ENGL 108

OR Option 2: Honors Composition

(R532/L30)

Not Satisfied: OR Complete 1 course with a C or better.

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | ENGL | 109H | | | | | | |

Courses Available

ENGL 109H

Foundation Second Language - Second Semester Proficiency (R521)

Not Satisfied: Credit will not be given for a course at an equivalent or lower level than prior language credit earned. Course must be taken for a grade, not as pass/fail. Third semester or higher courses used to fulfill this requirement may also be used to fulfill other requirements.

Demonstrate second semester proficiency in a second language by completing a second semester or higher language course or by passing a language proficiency examination at the second semester level or higher.

Second Semester Language Course (R521/L10)

Not Satisfied: Complete 1 course.

Not from: FREN 325, 393, 399, 399H, 414, 448, 453, HIST 465D, ITAL 330A, 330B, 330C, 330D, 399, 399H, SPAN 397W, 406A, 414, 423A, 423B, 465C, 465D, TTE 414.

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

AIS 104B, AIS 307A, ARB 102, CHN 102, CHN 102-CC, CHN 102-SA, CRL 102, CRL 197A, FREN 102, FREN 102-CC, FREN 102-SA, FREN 112, GER 102, GER 102-CC, GRK 102, GRK 102-SA, GRK 104, ITAL 102, ITAL 102-CC, ITAL 102Z, ITAL 102Z-SA, JPN 102, LAT 102, LAT 102-SA, LING 104B, LING 307A, PORT 102, PRS 102, RSSS 101B, RSSS 101B-CC, RSSS 101B-SA, SERP 370B, SPAN 102, SPAN 102-CC, SPAN 103, TURK 102

General Education Tier I (R522)

Overall Requirement Not Satisfied: Complete 2 courses in each of the following areas.

Tier I Individuals & Societies (R522/L10)

Not Satisfied: Fulfillment of Individuals and Societies requires completion of two distinctly numbered courses (e.g., INDV 101 & 103).

· **Courses:** 2.00 required, 0.00 completed, 2.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

INDV 101, INDV 101-SA, INDV 102, INDV 102-SA, INDV 103, INDV 103-CC, INDV 103-SA, (***) (###)

Tier I Traditions & Cultures (R522/L30)

Not Satisfied: Fulfillment of Traditions and Cultures requires completion of two distinctly numbered courses (e.g., TRAD 102 & 104).

· **Courses:** 2.00 required, 0.00 completed, 2.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

TRAD 101, TRAD 101-CC, TRAD 102, TRAD 102-CC, TRAD 103, TRAD 103-SA, TRAD 104, TRAD 104-SA, (***) (###)

General Education Tier II

(R528)

Overall Requirement Not Satisfied: Complete 1 course from each of the following areas.

Tier II Arts

(R528/L10)

Not Satisfied: Complete 3 units.

 · **Units:** 3.00 required, 0.00 completed, 3.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

ARC 325, ARE 130, ARH 201, ARH 202, ARH 202-SA, ARH 203, ARH 312, ARH 314, ARH 315, ARH 315-SA, ARH 316A, ARH 316B, ARH 319, ARH 320, ARH 321, ARH 322, ARH 324, ARH 325, ARH 329, ART 203, ART 242, ART 329, ART 358, CLAS 329, DNC 100, DNC 112A, DNC 112B, DNC 112C, DNC 143, DNC 144A, DNC 144B, DNC 144C, DNC 152A, DNC 152B, DNC 152C, DNC 175, DNC 176A, DNC 176B, DNC 177C, DNC 177D, DNC 200, DNC 276A, ENGL 209, ENGL 210, ENGL 300, ENGL 300-SA, HNRS 203H, HNRS 295B, JPN 245, LAS 322, LAS 337, MAR 252, MAR 375, MAS 337, MUS 100, MUS 100-CC, MUS 101A, MUS 107, MUS 107-CC, MUS 108, MUS 108-CC, MUS 109, MUS 206, MUS 231, MUS 328, MUS 334, MUS 334-CC, MUS 337, MUS 344, MUS 360, TAR 100, TAR 103

Tier II Humanities

(R528/L20)

Not Satisfied: Prerequisite course work in Tier 1 Traditions and Cultures (TRAD) must be completed prior to taking. If LAT 201 or 202 are used to fulfill Foundation Second Language Proficiency, they cannot be used to fulfill Tier II Humanities.

 · **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

AFAS 200, AFAS 222, AFAS 224, AFAS 245, AFAS 245-CC, AFAS 249, AFAS 255, AFAS 315, AFAS 320, AFAS 365, AFAS 381, ANTH 222, ARH 300, ARH 329, ART 329, CHN 245, CLAS 220, CLAS 221, CLAS 221-SA, CLAS 260, CLAS 300, CLAS 300-SA, CLAS 329, CLAS 342, CLAS 346, ENGL 220A, ENGL 220B, ENGL 231, ENGL 245, ENGL 245-CC, ENGL 260, ENGL 260-SA, ENGL 265, ENGL 265-CC, ENGL 267, ENGL 267-SA, ENGL 280, ENGR 317, FREN 245, FREN 245-CC, FREN 249, FREN 280, FREN 282, FREN 282-CC, FREN 283, FREN 283-CC, FREN 284, FREN 284-CC, GER 273, GER 275, GER 276, GER 278, GER 325, GER 373, GER 375, GER 376, GER 379, GWS 200, GWS 317, GWS 373, HIST 224, HIST 277A, HIST 277B, HIST 278, HIST 372A, HIST 372B, HNRS 200, ITAL 230, ITAL 240, ITAL 250A, ITAL 250B, ITAL 250C, ITAL 250D, ITAL 330B, JPN 220, JPN 311, JUS 301, JUS 325, JUS 372A, JUS 372B, JUS 376, LAT 201, LAT 201-SA, LAT 202, LAT 202-SA, MAR 325, NES 277A, NES 277B, NES 372A, NES 372B, PHIL 210, PHIL 213, PHIL 222, PHIL 260, PHIL 261, PHIL 262, PHIL 325, PHIL 325-SA, RELI 210, RELI 220, RELI 220A, RELI 220B, RELI 250, RELI 255, RELI 277A, RELI 300, RELI 304, RELI 372A, RELI 372B, RELI 379, RELI 381, RSSS 210, RSSS 304, RSSS 340, RSSS 350, SPAN 210, SPAN 210-SA, (***) (###)

Tier II Individual & Societies

(R528/L30)

Not Satisfied: Prerequisite course work in Tier 1 Individuals and Societies (INDV) must be completed prior to taking.

 · **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

AED 210, AED 309, AED 408, AFAS 260, AFAS 340, AGTM 380, AIS 210, AIS 346, AIS 347, ANTH 202, ANTH 203, ANTH 307, ANTH 314, ANTH 316, ANTH 320, ANTH 346, ANTH 346-CC, ANTH 347, ANTH 347-CC, ANTH 380, ANTV 307, AREC 350, CLAS 240, CLAS 305, CLAS 305-SA, CLAS 306, CLAS 306-SA, CLAS 362, ECON 200, ECON 200-CC, ECON 201A, ECON 201A-CC, ECON 205, EDL 200, EDP 200, FCSC 302, FSHD 200, FSHD 347, GEOG 205, GEOG 210, GEOG 210-CC, GEOG 251, GEOG 251-CC, GEOG 256, GEOG 367, GEOG 380, GER 274, GER 274-SA, GWS 210, GWS 240, GWS 328, GWS 362, HIST 370A, HIST 370B, ITAL 330D, JUS 370A, JUS 370A-CC, JUS 370B, JUS 370B-CC, LAS 251, LING 210, LING 211, LRC 204, LRC 239, MAS 265, MAS 365, NES 251, NES 334, NESV 334, NURS 310, PHIL 205, PHIL 211, PHIL 233, PHIL 264, PHIL 323, PHIL 345, PHIL 346, PHIL 347, PLG 256, POL 201, POL 201-CC, POL 201-SA, POL 202, POL 202-CC, POL 202-SA, POL 203, POL 204, POL 204-CC, PSY 200, PSY 277, PSY 345, PSY 346, PSY 347, PSY 461A, RCSC 204, RELI 233, RELI 305, RELI 334, RELI 370A, RELI 370B, RELV 334, RNR 256, RSSS 275, RSSS 315, RSSS 328, SERP 200, SOC 260, SOC 260-CC, SOC 277, SOC 280, SOC 367, SPH 310, TTE 200, (***) (###)

Diversity Emphasis Course

(R531)

Not Satisfied: One course must be taken that focuses on Gender, Race, Class, Ethnicity, Sexual Orientation or Non-Western Area Studies.

Courses used to fulfill this requirement may also be used to fulfill other requirements.

Diversity Emphasis Course

(R531/L10)

Not Satisfied: General Education Diversity Emphasis Course: Gender, Race, Class, Ethnicity, Sexual Orientation or Non-Western Area Studies.

INDV 101 will only fulfill this area if topic taken is "Race, Ethnicity, and the American Dream".

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

AED 408, AFAS 160A1, AFAS 160A1-SA, AFAS 160A2, AFAS 160A2-SA, AFAS 222, AFAS 245, AFAS 245-CC, AFAS 249, AFAS 255, AFAS 260, AFAS 302, AFAS 304A, AFAS 304A-SA, AFAS 304B, AFAS 306, AFAS 315, AFAS 330, AFAS 330-CC, AFAS 340, AFAS 342, AFAS 365, AFAS 381, AFAS 444, AFAS 467, AFAS 468, AIS 160A1, AIS 160A1-SA, AIS 210, AIS 346, AIS 347, AIS 467, ANTH 150A1, ANTH 150A1-SA, ANTH 160A1, ANTH 160A1-SA, ANTH 202, ANTH 203, ANTH 222, ANTH 307, ANTH 314, ANTH 316, ANTH 320, ANTH 346, ANTH 346-CC, ANTH 347, ANTH 347-CC, ANTH 375, ANTH 402, ANTH 450, ANTH 467, ARH 203, CHN 251, CHN 275, CHN 276, CHN 276-CC, CHN 331, CHN 340, CHN 341, CHN 419, CHN 420, CHN 429, CHN 468, CHN 475D, CHN 475E, CHN 482, CHN 483, CHN 483-SA, CLAS 362, CPH 444, DNC 177C, DNC 177D, EAS 130, EAS 130-CC, EAS 160A1, EAS 160A1-SA, EAS 160A2, EAS 160A2-SA, EAS 160A3, EAS 160A3-SA, EAS 160A4, EAS 160A4-SA, EAS 160A5, EAS 160A5-SA, EAS 333, EAS 350, EAS 464, EAS 484A, EAS 484B, EAS 489, EAS 496C, ENGL 160A1, ENGL 160A1-SA, ENGL 245, ENGL 245-CC, ENGL 342, ENGL 429, FREN 160A1, FREN 160A1-SA, FREN 245, FREN 245-CC, FREN 249, GEOG 205, GEOG 210, GEOG 210-CC, GEOG 251, GEOG 251-CC, GER 274, GER 274-SA, GER 278, GER 373, GER 376, GWS 200, GWS 210, GWS 240, GWS 253, GWS 254, GWS 254-CC, GWS 306, GWS 328, GWS 335, GWS 335-CC, GWS 342, GWS 362, GWS 373, GWS 402, GWS 427, GWS 459, GWS 468, GWS 489, HIST 160A1, HIST 160A1-CC, HIST 160A1-SA, HIST 253, HIST 253-CC, HIST 254, HIST 254-CC, HIST 272, HIST 275, HIST 276, HIST 277A, HIST 278, HIST 370A, HIST 370B, HIST 372A, HIST 372B, HIST 475D, HIST 475E, HIST 482, HIST 489, INDV 101, INDV 101-SA, ITAL 330B, ITAL 330D, JPN 220, JPN 245, JPN 272, JPN 304, JPN 310, JPN 311, JPN 396H, JPN 402, JPN 411, JPN 412, JPN 446A, JPN 446B, JPN 447A, JPN 447B, JPN 485, JPN 486, JPN 489, JPN 495B, JPN 496A, JPN 496C, JUS 325, JUS 370A, JUS 370A-CC, JUS 370B, JUS 370B-CC, JUS 372A, JUS 372B, JUS 376, LAS 251, LAS 337, LING 210, LING 304, LING 402, LING 411, LING 412, LING 419, LING 420, LING 496C, MAR 251, MAS 160A1, MAS 160A1-SA, MAS 265, MAS 330, MAS 330-CC, MAS 332, MAS 332-CC, MAS 337, MAS 365, MAS 467, MUS 109, MUS 334, MUS 334-CC, MUS 337, MUS 344, NES 160A1, NES 160A1-SA, NES 160A2, NES 160A2-SA, NES 160A3, NES 160A3-SA, NES 251, NES 277A, NES 334, NES 372A, NES 372B, NES 375, NES 375-SA, NES 441, PHIL 222, PHIL 325, PHIL 325-SA, POL 160A1, POL 160A1-SA, POL 330, POL 330-CC, POL 332, POL 332-CC, POL 335, POL 335-CC, POL 441, POL 464, POL 464-SA, POL 468, POL 476, RELI 130, RELI 210, RELI 220, RELI 277A, RELI 331, RELI 333, RELI 334, RELI

350, RELI 370A, RELI 370B, RELI 372A, RELI 372B, RELI 381, RELI 483, RELI 484A, RELI 484B, RELI 485, RELI 486, RELI 489, RSSS 315, RSSS 328, RSSS 350, SOC 222, SOC 260, SOC 260-CC, SOC 280, SOC 324, SOC 324-CC, SOC 427, SOC 450, SOC 450-CC, SOC 459, SOC 459-CC, SOC 467, SPAN 210, SPAN 210-SA, TRAD 101, TRAD 101-CC

Additional Coursework

(RG521)

Courses listed in this section may include general elective credits, UA courses and transferable courses from other institutions. Consult with your advisor to determine if courses listed in this section may be used to fulfill a requirement or sub-requirement in your degree program.

Courses taken for Pass/Fail option can only count as elective credit. They cannot fulfill any General Education, Major, or Minor requirements.

BS in Molecular and Cellular Biology

(RG860)

Overall Requirement Not Satisfied: Bachelor of Science in Molecular and Cellular Biology

MCB Foundation Courses

(R2780)

Overall Requirement Not Satisfied: Courses used to fulfill this requirement may also be used to fulfill other requirements.

1. Option I: Fundamentals in Chemistry

(R2780/L10)

Not Satisfied: Complete 2 courses.

· **Courses:** 2.00 required, 0.00 completed, 2.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
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Courses Available

CHEM 151, (***) (###), CHEM 152

OR 1. Option II: Fundamentals in Chemistry

(R2780/L20)

Not Satisfied: Complete 4 courses

· **Courses:** 4.00 required, 0.00 completed, 4.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

CHEM 103A, CHEM 103A-CC, CHEM 104A, CHEM 103B, CHEM 103B-CC, CHEM 104B

OR 1. Option III: Honors Fundamentals in Chemistry

(R2780/L30)

Not Satisfied: Complete 4 courses

· **Courses:** 4.00 required, 0.00 completed, 4.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | CHEM | 105A | | | | | | |
| | CHEM | 106A | | | | | | |
| | CHEM | 105B | | | | | | |
| | CHEM | 106B | | | | | | |

Courses Available

CHEM 105A, CHEM 106A, CHEM 105B, CHEM 106B

2. Option I: Organic Chemistry

(R2780/L40)

Not Satisfied: Complete 4 courses

· **Courses:** 4.00 required, 0.00 completed, 4.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

CHEM 241A, CHEM 241B, (***) (###), CHEM 243A, CHEM 243B

OR 2. Option II: Honors Organic Chemistry

(R2780/L50)

Not Satisfied: Complete 4 courses

· **Courses:** 4.00 required, 0.00 completed, 4.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | CHEM | 242A | | | | | | |
| | CHEM | 244A | | | | | | |
| | CHEM | 242B | | | | | | |
| | CHEM | 244B | | | | | | |

Courses Available

CHEM 242A, CHEM 244A, CHEM 242B, CHEM 244B

OR 2. Option III: Organic Chemistry

(R2780/L60)

Not Satisfied: Complete 4 courses

· **Courses:** 4.00 required, 0.00 completed, 4.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | CHEM | 246A | | | | | | |
| | CHEM | 246B | | | | | | |
| | CHEM | 247A | | | | | | |
| | CHEM | 247B | | | | | | |

Courses Available

CHEM 246A, CHEM 246B, CHEM 247A, CHEM 247B

3. Math Requirement I

(R2780/L70)

Not Satisfied: Complete 1 course

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

MATH 124, MATH 125, MATH 125-CC, MATH 250A

4. Math Requirement II

(R2780/L80)

Not Satisfied: Complete 1 course

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

MATH 129, MATH 129-CC, MATH 250B

5. Option I: Introductory Physics

(R2780/L90)

Not Satisfied: Complete 4 courses

· **Courses:** 4.00 required, 0.00 completed, 4.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

PHYS 102, PHYS 102-CC, PHYS 103, PHYS 103-CC, PHYS 181, PHYS 182

5. OR Option II: Introductory Physics with Calculus

(R2780/L100)

Not Satisfied: Complete 3 courses

· **Courses:** 3.00 required, 0.00 completed, 3.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | PHYS | 141 | | | | | | |
| | PHYS | 143 | | | | | | |
| | PHYS | 241 | | | | | | |

Courses Available

PHYS 141, PHYS 143, PHYS 241

Molecular and Cellular Biology Major

(R1359)

Overall Requirement Not Satisfied: In addition to the following courses, organic chemistry courses also count in the major GPA.

1. Introductory Biology I

(R1359/L10)

Not Satisfied: Complete 2 courses

· **Courses:** 2.00 required, 0.00 completed, 2.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
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Courses Available

BIOC 181L, BIOC 181R, ECOL 181L, ECOL 181R, MCB 181L, MCB 181R, MIC 181L, MIC 181R, MCB 184

OR 1. Introductory Biology I

(R1359/L15)

Courses Available

MCB 184

2. Introductory Biology II

(R1359/L20)

Not Satisfied: Complete 2 courses

· **Courses:** 2.00 required, 0.00 completed, 2.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | ECOL | 182L | | | | | | |
| | ECOL | 182R | | | | | | |

Courses Available

ECOL 182L, ECOL 182R

OR 2. Introductory Biology II

(R1359/L25)

3. Cell Biology and Molecular Biology and Genetics

(R1359/L40)

Not Satisfied: Complete 2 courses

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | | | | | | | | |

Courses Available

MCB 304, MCB 305

4. Biochemistry

(R1359/L60)

Not Satisfied: Complete 1 course

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | | | | | | | | |

Courses Available

BIOC 385, BIOC 460, BIOC 462A, CHEM 460, CHEM 462A, MCB 460, MCB 462A, N_SC 460, PCOL 462A

5. Upper Division Electives

(R1359/L80)

Not Satisfied: Complete 12 units. A minimum of 12 upper division MCB units beyond the core courses is required. A minimum of 1 course from each area below (Core Elective, Lab Requirement, and Writing Emphasis Requirement) should be taken in these 12 units.

· **Units:** 12.00 required, 0.00 completed, 12.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Courses Available

MCB 3TR, MCB 303, MCB 304, MCB 305, MCB 315, MCB 321, MCB 326, MCB 340, MCB 345, MCB 360, MCB 361, MCB 392, MCB 396A, MCB 396I, MCB 397A, MCB 399, MCB 399H, MCB 400, MCB 401, MCB 404, MCB 407, MCB 408L, MCB 409, MCB 410, MCB 411, MCB 414, MCB 416A, MCB 421B, MCB 422, MCB 433, MCB 437, MCB 440, MCB 446, MCB 448A, MCB 449A, MCB 450, MCB 451, MCB 453, MCB 453L, MCB 455, MCB 460, MCB 462A, MCB 462B, MCB 464, MCB 467, MCB 470, MCB 473, MCB 479, MCB 480, MCB 481, MCB 484, MCB 491, MCB 492, MCB 493, MCB 494, MCB 496A, MCB 496J, MCB 496M, MCB 496N, MCB 497A, MCB 498, MCB 498H, MCB 499, MCB 499H

6. Core Elective

(R1359/L90)

Not Satisfied: Complete 1 course. Courses used to fulfill this requirement may also be used to fulfill other requirements.

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | | | | | | | | |

Courses Available

BIOC 407, BIOC 453, BIOC 455, BIOC 462B, CHEM 462B, ECOL 428R, ECOL 437, ECOL 440, ECOL 453, MCB 407,

MCB 421B, MCB 433, MCB 437, MCB 440, MCB 450, MCB 453, MCB 455, MCB 462B, MCB 467, MCB 470, MIC 421B, MIC 428R, MIC 433, NRSC 407, PCOL 462B, PLP 421B, PLP 428R, PLS 428R, PLS 440, PSIO 467, SWES 421B, SWES 428R, VSC 421B, VSC 428R, VSC 433, VSC 437

7. Lab Requirement

(R1359/L100)

Not Satisfied: Complete 1 course. Courses used to fulfill this requirement may also be used to fulfill other requirements.

If MCB 492, 499, or 499H are selected, the course must be taken for 3 units.

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | | | | | | | | |

Courses Available

BIOC 463A, BIOC 473, ECOL 422, GENE 473, MCB 392, MCB 421B, MCB 422, MCB 473, MCB 492, MCB 498H, MCB 499, MCB 499H, MIC 421B, MIC 473, PLP 421B, PLS 473, SWES 421B, VSC 421B

8. Writing Emphasis Requirement

(R1359/L110)

Not Satisfied: Complete 1 course. Courses used to fulfill this requirement may also be used to fulfill other requirements.

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | | | | | | | | |

Courses Available

BIOC 455, BIOC 473, ECOL 422, ECOL 428R, ECOL 437, GENE 473, MCB 404, MCB 414, MCB 422, MCB 437, MCB 450, MCB 455, MCB 470, MCB 473, MCB 498, MCB 498H, MIC 428R, MIC 473, PLP 428R, PLS 428R, PLS 473, SWES 428R, VSC 428R, VSC 437

Molecular and Cellular Biology Major Graduation Requirements

(R1362)

Overall Requirement Not Satisfied: Molecular and Cellular Biology Major Graduation Requirements

Mid Career Writing Assessment

(R1362/L10)

Not Satisfied: Complete 2nd semester English Composition with a B grade or higher. Students who do not earn a grade of B or higher in 2nd semester English Composition must also satisfy a college or department writing requirement. Consult your major advisor if you do not earn a grade of B or higher in 2nd semester English Composition or a grade of C or higher in a MCB Writing Emphasis Course.

· **Courses:** 1.00 required, 0.00 completed, 1.00 needed

| Term | Subject | Catalog Nbr | Course Title | Grade | Units | RptCd | RqDes | Type |
|------|---------|-------------|--------------|-------|-------|-------|-------|------|
| | | | | | | | | |

Major Units

(R1362/L20)

Not Satisfied: A minimum of 32 units must be completed in the major.

· **Units:** 32.00 required, 0.00 completed, 32.00 needed

