

BIOCHEMISTRY AND MOLECULAR BIOLOGY 4 YEAR ACADEMIC PLANS

Sample 1: Incoming First Year Student following Standard Curriculum + BIS 2D

	Fall Quarter	Units	Winter Quarter	Units	Spring Quarter	Units	Advisor's Comments	Professional Development
First Year	CHE 2A MAT 17A Lower Div English Comp or Non-STEM GE or Elective BIS 005	(5) (4) (2-4) (1)	CHE 2B MAT 17B BIS 2B Non-STEM GE or Elective	(5) (4) (5) (1-2)	CHE 2C MAT 17C BIS 2A Non-STEM GE or Elective	(5) (4) (5) (1-2)	Get involved with the Life Sciences Community at UCD and explore the Biological Sciences by enrolling in BIS 005 If you rocked Fall Quarter and are ready for a challenge, add BIS 2B in Winter.	<ul style="list-style-type: none"> Participate in our BioLaunch (biology.ucdavis.edu/BioLaunch) and Mentor Collective Program! Join a student club/organization. Explore global learning opportunities. Utilize Health Professions Advising (HPA) resources and services if applicable.
Second Year	CHE 118A STA 100 Non-STEM GE or Elective Non-STEM GE or Elective	(4) (3) (3-4) (3-4)	CHE 118B BIS 2D Non-STEM GE or Elective Non-STEM GE or Elective	(4) (3) (4) (1-2)	CHE 118C BIS 101 + 101D BIS 2C Non-STEM GE or Elective	(4) (5) (5) (1-2)	Well-balanced schedules with 1 or 2 Non-Stem GE's or Electives make for a successful second year in O-CHEM.	<ul style="list-style-type: none"> Explore how to get involved in undergraduate research. Visit the Internship and Career Center (ICC's) for support with job searching documents.
Third Year	PHY 7A BIS 102 Upper Div English Comp Non-STEM GE or Elective	(4) (3) (4) (3-4)	PHY 7B BIS 103 BMB Restricted Elective Non-STEM GE or Elective	(4) (3) (3-5) (3-4)	PHY 7C MCB 120 MCB 120L Non-STEM GE or Elective	(4) (3) (3) (3-4)	P-CHEM can be taken as a 3rd year if PHY is done by the end of your 2 nd year.	<ul style="list-style-type: none"> Check-In with pre-grad, pre-law advising if you want to learn more about graduate and professional school.
Fourth Year	CHE 107A MCB 124* or MCB 123* BMB Restricted Elective Non-STEM GE or Elective	(3) (3) (3-5) (3-4)	CHE 107B MCB 121 Non-STEM GE or Elective Non-STEM GE or Elective	(3) (3) (3-4) (3-4)	MCB 143* MCB 123* BMB Restricted Elective Non-STEM GE or Elective	(3) (3) (3-5) (3-4)	Courses with (*) are taught ONLY during the quarter indicated. Can choose MCB 124 OR 143 to fulfill major requirement. Spread MCB 123 and 124. Do NOT take in same quarter!	<ul style="list-style-type: none"> Actively think about your next steps and align opportunities to help you get closer towards your post-graduation goals.

Sample academic plans can be helpful in your course selection and planning process, but they are NOT meant to replace individual advising appointments or a graduation check. ALL University, College and Major requirements MUST be fulfilled to successfully graduate with a degree from UCD.

BIOCHEMISTRY AND MOLECULAR BIOLOGY 4 YEAR ACADEMIC PLANS

Sample 2: Incoming First Year Student, following Standard Curriculum with Workload Courses + BIS 2D

	Fall Quarter	Units	Winter Quarter	Units	Spring Quarter	Units	Advisor's Comments	Professional Development
First Year	WLD 41C WLD 910 ELWR Non-STEM GE or Elective BIS 005	(3) (3) (4) (1-4) (1)	CHE 2A MAT 12 Lower Div English Comp Non-STEM GE or Elective	(5) (3) (4) (3-4)	CHE 2B MAT 17A BIS 2B Non-STEM GE or Elective	(5) (4) (5) (1-2)	Get involved with the Life Sciences Community at UCD and explore the Biological Sciences by enrolling in BIS 005 Remember to retake CHE and MAT placement exams to enroll in CHE 2A & MAT 17A.	<ul style="list-style-type: none"> Participate in our BioLaunch (biology.ucdavis.edu/BioLaunch) and Mentor Collective Program! Join a student club or organization! If interested, now is the time to explore global learning opportunities. If applicable, utilize Health Professions Advising (HPA) resources and services.
Second Year	CHE 2C MAT 17B BIS 2A Non-STEM GE or Elective	(5) (4) (5) (1-2)	CHE 118A MAT 17C BIS 2D Non-STEM GE or Elective	(4) (4) (3) (3-4)	CHE 118B STA 100 BIS 2C Non-STEM GE or Elective	(4) (4) (5) (1-2)	Well-balanced schedules with 1 or 2 Non-Stem GE's or Electives make for a successful second year in O-CHEM.	<ul style="list-style-type: none"> Explore how to get involved in undergraduate research. Visit the Internship and Career Center (ICC's) for support with job searching documents.
Third Year	CHE 118C PHY 7A BIS 102 Upper Div English Comp	(4) (4) (3) (4)	PHY 7B BIS 101 + 101D BIS 103 Non-STEM GE or Elective	(4) (5) (3) (1-4)	PHY 7C MCB 120 MCB 120L Non-STEM GE or Elective	(4) (3) (3) (3-4)	P-CHEM can be taken as a 3rd year if PHY is done by the end of your 2 nd year.	<ul style="list-style-type: none"> Check-In with pre-grad, pre-law advising if you want to learn more about graduate and professional school.
Fourth Year	CHE 107A MCB 124* or MCB 123* BMB Restricted Elective Non-STEM GE or Elective	(3) (3-4) (3-5) (3-4)	CHE 107B MCB 121 Non-STEM GE or Elective Non-STEM GE or Elective	(3) (3) (3-4) (3-4)	MCB 143* MCB 123* BMB Restricted Elective Non-STEM GE or Elective	(3) (3) (3-5) (3-4)	Courses with (*) are taught ONLY during the quarter indicated. Can choose MCB 124 OR 143 to fulfill major requirement. Spread MCB 123 and 124. Do NOT take in same quarter!	<ul style="list-style-type: none"> Actively think about your next steps and align opportunities to help you get closer towards your post-graduation goals.

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BIOCHEMISTRY AND MOLECULAR BIOLOGY 4 YEAR ACADEMIC PLANS
Incoming Transfer Student, following Standard Curriculum in 2 years
Preparatory Subject Matter (including PHY7ABC and CHE 118ABC) COMPLETE at the time of transfer

	Fall Quarter	Units	Winter Quarter	Units	Spring Quarter	Units	Advisor's Comments	Professional Development
Third Year	BIS 102 STA 100 Upper Div English Comp or Non-STEM GE or Elective BIS 198	(3) (4) (3-4) (1)	BIS 101 + 101D BIS 103 Non-STEM GE or Elective Non-STEM GE or Elective	(5) (3) (3-4) (3-4)	MCB 120 MCB 120L Non-STEM GE or Elective Non-STEM GE or Elective	(3) (3) (3-4) (3-4)	<p>Get involved with the Life Sciences Community at UCD and explore the Biological Sciences by enrolling in BIS 198</p> <p>Be kind to yourself in Fall! The challenge should be adjusting to your new academic environment not a challenging course load or a high number of units. It is okay to go easy on yourself and take 12-13 units.</p> <p>Ensure that your partial or full IGETC was received by UCD by reaching out to our office.</p> <p>P-CHEM can also be taken as a 3rd year if PHY is already completed.</p>	<ul style="list-style-type: none"> • Participate in our BioLaunch (biology.ucdavis.edu/BioLaunch) and Mentor Collective Program! • Focus on building community with other transfer students! For example, think about visiting the Transfer and Reentry Center! • Explore how to get involved in undergraduate research • If applicable, utilize Health Professions Advising (HPA) resources and services. • Check-In with pre-grad, pre-law advising if you want to learn more about graduate and professional school.
Fourth Year	CHE 107A MCB 124* or MCB 123* BMB Restricted Elective Non-STEM GE or Elective	(3) (3-4) (3-5) (3-4)	CHE 107B MCB 121 BIS 2D Non-STEM GE or Elective	(3) (3) (3) (3-4)	MCB 143* MCB 123* BMB Restricted Elective Non-STEM GE or Elective	(3) (3) (3-5) (3-4)	<p>Courses with (*) are taught ONLY during the quarter indicated. Can choose MCB 124 OR 143 to fulfill major requirement. Spread MCB 123 and 124. Do NOT take in same quarter!</p>	<ul style="list-style-type: none"> • Visit the Internship and Career Center (ICC's) for support with job searching documents. • Actively think about your next steps and align opportunities to help you get closer towards your post-graduation goals.

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