



Pre-Medical Course Timeline by Major

This document is meant to serve as a guide to see which prereqs your major already includes and how to plan prereqs that are not covered. While you **do not** have to follow this plan exactly, it is a great base on how to plan out your courses. Since each situation is different, you **MUST CONFIRM** your plan with your academic and OPSA advisors. Additionally, if your degree is missing prereq courses, they have been included in addition to the courses required to satisfy the graduation requirements for your major.

NOTE: ***The medical schools do not have a preference of one major over another***, so choose a major that interests and academically challenges you. With this, if you do not see your major on this list, talk to an OPSA advisor for further assistance.

Prerequisites for Texas Medical Schools

- English (6 hrs. - from any class taught in the ENGL dept)
- Statistics (3 hrs. - BMEN 250/350, BUSN 203, INFO/SCMT 303, STAT 201, 211, 301, 302, 303 or 312, PHLT 315, or PSYC/PBSI 203, 301)
- Introductory Biology w/lab (BIOL 111 & 112)
- Upper-level Biology (6 hrs. - refer to your degree plan; research [TMDAS for approved courses](#))
- General Chemistry w/lab (CHEM 119 & 120, or CHEM 101/111 & CHEM 102/112)
ENGR students take CHEM 107/117 in place of CHEM 119
- Organic Chemistry w/lab (CHEM 227/237 & 228/238 OR CHEM 257 & 258)
- Physics w/lab (PHYS 201 & 202, 206/226 & 207/227, ENGR 206/216, 207/217)
- Biochemistry** (3 hrs. - BICH 409, 410 or BICH 489: SPTD Principles of Biochemistry)

All pre-requisites & information are subject to change at any time. It is the responsibility of the applicant to stay up to date on all requirements.

TCU requires genetics and physiology.

**For schools where Biochemistry is not a prerequisite, Biochemistry 409 & 410 will fulfill one of the Upper-Level Biology requirements with the exception of John Sealy SOM-UTMB & UT Southwestern).

Some out of state institutions and Baylor College of Medicine requires additional courses. Refer to their specific website for detailed information and contact them by email with any questions specific to their course requirements.

Overview of Majors and Pre-Req Courses

Prerequisites	<u>BIMS</u>	<u>PBSI</u>	<u>PHLT</u>	<u>BIOL</u>	<u>NUTR</u>
English	✓	✓	✓	✓	✓
Statistics	✓	✓	✓	✓	✓
Introductory Biology w/ lab	✓	X	✓	✓	✓
Upper-level Biology	✓	✓	~	✓	✓
General Chemistry w/lab	✓	X	~	✓	✓
Organic Chemistry w/lab	✓	X	X	✓	~
Physics w/lab	✓	X	X	✓	X
Biochemistry	✓	X	X	✓	✓
Prerequisites	<u>BUSN</u>	<u>BMEN</u>	<u>BICH</u>	<u>KINE</u>	<u>NRSC</u>
English	✓	✓	✓	✓	✓
Statistics	✓	✓	X	✓	✓
Introductory Biology w/ lab	X	X	✓	✓	✓
Upper-level Biology	X	✓	✓	✓	X
General Chemistry w/lab	X	✓	✓	✓	✓
Organic Chemistry w/lab	X	~	✓	X	X
Physics w/lab	X	✓	✓	✓	✓
Biochemistry	X	X	✓	X	X

Key
✓ = Yes
~ = Partially
X = No

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDSAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Biomedical Sciences (BS) Courses

Prereq Course	Is it already in your degree plan?	Courses
English (6 hrs.)	Yes	6 hours of communication requires to graduate from TAMU, but make sure both are in the ENGL department, not COMM
Statistics (3 hrs.)	Yes	STAT 302/312
Introductory Biology w/ lab (8 hrs.)	Yes	BIOL 111 & BIOL 112
Upper-level Biology (6 hrs.)	Yes	BIOL 319, BIOL 320, VTPB 405, BIMS/GENE 320, VTPP 427
General Chemistry w/ lab (8 hrs.)	Yes	CHEM 119 & CHEM 120
Organic Chemistry w/ lab (8 hrs.)	Yes	CHEM 227, CHEM 237, CHEM 228, CHEM 238
Physics w/ lab (8 hrs.)	Yes	PHYS 201 & PHYS 202
Biochemistry (3 hrs.)	Yes	BICH 409

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

General Biomedical Sciences Timeline

First Year	
Fall (15)	Spring (14)
BIOL 111 (4)	BIOL 112 (4)
CHEM 119 (4)	CHEM 120 (4)
BIMS 101 (1)	ENGL 103/104/203/210 (3)
Mathematics (3-4)	Mathematics (3-4)
Social and behavioral sciences (3)	
Second Year	
Fall (17)	Spring (17)
CHEM 227 (3)	CHEM 228 & 238 (4)
CHEM 237 (1)	PHYS 202 (4)
PHYS 201 (4)	POLS 207 (3)
POLS 206 (3)	American History (3)
American History (3)	Language, philosophy, and culture (3)
Creative Arts (3)	
Third Year	
Fall (14)	Spring (17)
BICH 409 (3)	BIOL 320 (4)
BIMS 320/GENE 320 (3)	VTPB 405 (4)
BIOL 319 (4)	Communication from the ENGL department (3)
BIMS Directed Electives (4)	BIMS Directed Electives (6)
Fourth Year	
Fall (13)	Spring (13)
STAT 302/312 (3)	VTPP 427 (3)
BIMS Directed Electives (7)	BIMS Directed Electives (10)
General Elective (1-3)	

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Psychology (BS) Courses

Prereq Course	Is it already in your degree plan?	Courses
English (6 hrs.)	Yes	6 hours of communication requires to graduate from TAMU, but make sure both are in the ENGL department, not COMM
Statistics (3 hrs.)	Yes	PBSI 301
Introductory Biology w/ lab (8 hrs.)	No, you will need to specifically select this course	BIOL 111 and BIOL 112 can account for your "Life and physical sciences" courses, "Additional Science electives", or "General electives"
Upper-level Biology (6 hrs.)	Yes	PBSI 225, PBSI 320, PBSI 333, PBSI 360 (choose 2) when asked to select a course from a specific list of courses
General Chemistry w/ lab (8 hrs.)	No, you will need to specifically select this course	CHEM 119 and CHEM 120 can account for your "Life and physical sciences" courses, "Additional Science electives", or "General electives"
Organic Chemistry w/ lab (8 hrs.)	No, you will need to specifically select this course	CHEM 227/237 and CHEM 228/238 can account for your "Additional Science electives" or "General electives"
Physics w/ lab (8 hrs.)	No, you will need to specifically select this course	PHYS 201 and 202 can account for your "Additional Science electives" or "General electives"
Biochemistry (3 hrs.)	No, you will need to specifically select this course	BICH 410 can account for your "Additional Science electives" or "General electives"

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

General Psychology Timeline

First Year	
Fall (15)	Spring (15)
ENGL 104 (3)	ENGL 103/203/210 (3)
CHEM 119 (4) <i>Life and physical sciences (1) + General elective (3)</i>	CHEM 120 (4) <i>Additional Science elective (3) + General elective (1)</i>
BIOL 111 (4) <i>Life and physical sciences (4)</i>	BIOL 112 (4) <i>Life and physical sciences (4)</i>
PBSI 105 (1)	PBSI 245 (3)
PBSI 107 (3)	General elective (1)
Second Year	
Fall (14)	Spring (14)
CHEM 227 (3) <i>Additional Science elective (3)</i>	CHEM 228 (3) <i>Additional Science elective (3)</i>
CHEM 237 (1) <i>General elective (1)</i>	CHEM 238 (1) <i>General elective (1)</i>
PHYS 201 <i>General elective (4)</i>	PHYS 202 <i>General elective (4)</i>
PBSI 235 (3)	PBSI 206/208/209/210/300/303/432 (3)
Social and behavioral sciences (3)	Government/Political Science (3)
Third Year	
Fall (16)	Spring (16)
PBSI 301 (4)	PBSI 320/333/360 (3)
BICH 410 <i>Additional Science elective (3)</i>	PBSI 302 (4)
PBSI 225/305/306/307/315/319/323/330/352/353/365 (3)	Language, philosophy, and culture OR creative arts (3)
Language, philosophy, and culture (3)	Government/Political Science (3)
Literature directed elective (3)	Literature directed elective (3)
Fourth Year	
Fall (15)	Spring (15)
PBSI 320/333/360 (3)	PBSI 305/306/307/315/319/323/330/352/353/365 (3)
American History (3)	American History (3)
Psychology elective (3)	Psychology elective (3)
Creative Arts (3)	Social and behavioral sciences (3)
Mathematics (3)	Mathematics (3)

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDSAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Public Health (BS) Courses

Prereq Course	Is it already in your degree plan?	If so, which course is it?
English (6 hrs.)	Yes	6 hours of communication requires to graduate from TAMU, but make sure both are in the ENGL department, not COMM
Statistics (3 hrs.)	Yes	PHLT 314 and PHLT 315
Introductory Biology w/ lab (8 hrs.)	Yes	BIOL 111 and BIOL 112
Upper-level Biology (6 hrs.)	Partially	PHLT 304 will count for 3 hours of your upper-level biology credit and is required of your degree plan. The remaining hours can be chosen from the "BSPH Directed Electives" that qualify as an upper-level biology credit according to TMDSAS .
General Chemistry w/ lab (8 hrs.)	Partially	CHEM 119 will count for 4 hours and is required of your degree plan. CHEM 120 is not in your degree plan, but can count as a "General Elective"
Organic Chemistry w/ lab (8 hrs.)	No, you will need to specifically select this course	CHEM 227/237 and CHEM 228/238 can account for your "BSPH Directed Electives"
Physics w/ lab (8 hrs.)	No, you will need to specifically select this course	PHYS 201 and 202 can account for your "General electives"
Biochemistry (3 hrs.)	No, you will need to specifically select this course	BICH 410 can account for your "BSPH Directed Electives"

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDSAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

General Public Health Timeline

First Year	
Fall (14)	Spring (14)
BIOL 111 (4)	BIOL 112 (4)
ENGL 104/203/210 (3)	ENGL 104/203/210 (3)
CHEM 119 (4)	CHEM 120 (4) <i>General Elective (4)</i>
Social and behavioral sciences (3)	MATH 140/142/147/148/151/152/168/171/172 or PHIL 240 (3)
Second Year	
Fall (14)	Spring (17)
PHYS 201 (4) <i>General elective (4)</i>	PHYS 202 (4) <i>General elective (4)</i>
CHEM 227 (3) <i>BSPH Directed Elective (3)</i>	CHEM 228 (3) <i>BSPH Directed Elective (3)</i>
CHEM 237 (1) <i>BSPH Directed Elective (1)</i>	CHEM 238 (1) <i>BSPH Directed Elective (1)</i>
POLS 206 (3)	POLS 207 (3)
American History (3)	American History (3)
	Language, philosophy, and culture (3)
Third Year	
Fall (15)	Spring (15)
BICH 410 (3) <i>BSPH Directed Elective (3)</i>	PHLT 315 (2)
PHLT 304 (3)	PHLT 309 (3)
PHLT 314 (2)	PHLT 311 (1)
PHLT 310 (1)	PHLT 330 (3)
PHLT 313 (3)	PHLT 412 (3)
PHLT 303 (3)	PHLT 305 (3)
Fourth Year	
Fall (15)	Spring (15)
<u>Upper-Level Biology</u> from BSPH Directed List <i>BSPH Directed Elective (4)</i>	PHLT 307 (3)
PHLT 302 (2)	PHLT 415 (3)
PHLT 410 (3)	PHLT 445 (3)
PHLT 411 (3)	Creative Arts (3)
PHLT 441 (3)	MATH 140/142/147/148/151/152/168/171/172 or PHIL 240 (3)

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDSAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Business (BS) with Pre-Medicine Minor Courses

Prereq Course	Is it already in your degree plan?	Courses
English (6 hrs.)	Yes	ENGL 104/210
Statistics (3 hrs.)	Yes	BUSN 203 or STAT 211 if doing Pre-Medicine minor
Introductory Biology w/ lab (8 hrs.)	No, you will need to specifically select this course	BIOL 111 & BIOL 112 can account for your "Life and physical sciences" courses or "Science and Math Elective"
Upper-level Biology (6 hrs.)	No, you will need to specifically select this course	BIOL 213 & selecting from BIOL 319/320/351/388 from the Pre-Medicine minor requirements will count and will be classified as a "General elective"
General Chemistry w/ lab (8 hrs.)	No, you will need to specifically select this course	CHEM 119 & CHEM 120 can account for your "Life and physical sciences" courses
Organic Chemistry w/ lab (8 hrs.)	No, you will need to specifically select this course	CHEM 227, CHEM 237, CHEM 228, CHEM 238 can account for your "Science and Math Electives" or "General electives"
Physics w/ lab (8 hrs.)	No, you will need to specifically select this course	PHYS 201 & PHYS 202 can account for your "General electives" courses
Biochemistry (3 hrs.)	No, you will need to specifically select this course	BICH 409 can account for your "General electives" courses

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE FOR BUSINESS (BS): In order to graduate with this degree, a minor or certificate must be completed as well. With this we have chosen the Pre-Medicine minor and have integrated it where needed. Please note that your minor DOES NOT have to be Pre-Medicine.

Business (BS) with Pre-Medicine Minor General Timeline

First Year	
Fall (16)	Spring (14)
CHEM 119 (4) <i>Life and physical sciences (4)</i>	CHEM 120 (4) <i>Life and physical sciences (4)</i>
ENGL 104/210 (3)	BIOL 111 (4) <i>Life and physical sciences (1) + Science and Math Elective (3)</i>
ECON 202 (3)	ECON 203 (3)
MATH 140 (3)	MATH 142 (3)
BUSN 101 (3)	
Second Year	
Fall (14)	Spring (14)
CHEM 227 (3) <i>Science and Math Elective (2) + General Elective (1)</i>	CHEM 228 (3) <i>General elective (3)</i>
CHEM 237 (1) <i>General elective (1)</i>	CHEM 238 (1) <i>General elective (1)</i>
BIOL 112 (4) <i>Science and Math Elective (4)</i>	PHYS 201 (4) <i>General elective (4)</i>
ISTM 210 (3)	STAT 211 (3) <i>In lieu of BUSN 203 for Pre-Medicine minor</i>
ACCT 229 (3)	ACCT 230 (3)
Third Year	
Fall (13)	Spring (15)
BICH 409 (3) <i>General elective (3)</i>	BIOL 213 (3) <i>General elective (3)</i>
PHYS 202 (4) <i>General elective (4)</i>	MGMT 363 (3)
FINC 341 (3)	SCMT 364 (3)
	MKG T 321 (3)
	American History (3)
MGMT 311 (3)	Summer (3)
	BUSN 484 (3)
Fourth Year	
Fall (13)	Spring (15)
BIOL 319/320/351/388 (4) <i>General elective (4)</i>	ENGL 104/210 (3)
Creative Arts (3)	BUSN 404 (3)
POLS 206 (3)	Language, philosophy, and culture (3)
American History (3)	POLS 207 (3)
	MGMT 466 (3)

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Biology (BS) Courses

Prereq Course	Is it already in your degree plan?	If so, which course is it?
English (6 hrs.)	Yes	6 hours of communication requires to graduate from TAMU, but make sure both are in the ENGL department, not COMM
Statistics (3 hrs.)	Yes	STAT 312
Introductory Biology w/ lab (8 hrs.)	Yes	BIOL 111 and BIOL 112
Upper-level Biology (6 hrs.)	Yes	GENE 302 and GENE 314 will count for 4 hours of this requirement. The remaining hours will come from when you select courses from the following: BICH 464/GENE 464/BIOL 300-499/GENE 400-499/OCNG 320/VIBS 343/VIBS 443
General Chemistry w/ lab (8 hrs.)	Yes	CHEM 119 and CHEM 120
Organic Chemistry w/ lab (8 hrs.)	Yes	CHEM 227/237 and CHEM 228/238
Physics w/ lab (8 hrs.)	Yes	PHYS 201 and PHYS 202
Biochemistry (3 hrs.)	Yes	BICH 410

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

General Biology Timeline

First Year	
Fall (14)	Spring (14)
BIOL 111 (4)	BIOL 112 (4)
CHEM 119 (4)	CHEM 120 (4)
Communication from the ENGL department (3)	Communication from the ENGL department (3)
MATH 147/151/171 (4)	MATH 148/152/172 or STAT 201 (3)
Second Year	
Fall (14)	Spring (14)
PHYS 201 (4)	PHYS 202 (4)
CHEM 227 (3)	CHEM 228 (3)
CHEM 237 (1)	CHEM 238 (1)
BIOL 213 (3)	BIOL 214 (3)
American History (3)	American History (3)
Third Year	
Fall (15)	Spring (16)
BICH 410 (3)	BICH 464/GENE 464/BIOL 300-499/GENE 400-499/OCNG 320/VIBS 343/VIBS 443 (4)
GENE 302 and GENE 314 (4)	BICH 411/441 (3)
STAT 312 (3)	Social and behavioral sciences (3)
General Elective (4)	General electives (6)
BICH 412/414/432 or GENE 432 (1)	
Fourth Year	
Fall (16)	Spring (15)
BICH 464/GENE 464/BIOL 300-499/GENE 400-499/OCNG 320/VIBS 343/VIBS 443 (7)	BICH 464/GENE 464/BIOL 300-499/GENE 400-499/OCNG 320/VIBS 343/VIBS 443 (7)
Language, philosophy, and culture (3)	Creative Arts (3)
POLS 206 (3)	POLS 207 (3)
General Elective (3)	General Elective (3)

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDSAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Nutrition (BS) Courses

Prereq Course	Is it already in your degree plan?	Courses
English (6 hrs.)	Yes	ENGL 103/104/210
Statistics (3 hrs.)	Yes	STAT 301/302/303
Introductory Biology w/ lab (8 hrs.)	Yes	BIOL 111 & BIOL 112
Upper-level Biology (6 hrs.)	Yes	BIOL 319, BIOL 320, GENE 301, GENE 312
General Chemistry w/ lab (8 hrs.)	Yes	CHEM 119 & CHEM 120
Organic Chemistry w/ lab (8 hrs.)	Partially	CHEM 227, CHEM 237, CHEM 228 is required of your degree plan. CHEM 238 is not and can account for your "Technical electives"
Physics w/ lab (8 hrs.)	No, you will need to specifically select this course	PHYS 201 & PHYS 202 can account for your "Technical electives"
Biochemistry (3 hrs.)	Yes	BICH 410

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

General Nutrition (BS) Timeline

First Year	
Fall (17)	Spring (14)
BIOL 111 (4)	BIOL 112 (4)
CHEM 119 (4)	CHEM 120 (4)
ENGL 103/104 (3)	Creative Arts (3)
FSTC 204/NUTR 204 (1)	
FSTC 210/NUTR 210 (2)	Mathematics (3)
Social and behavioral sciences (3)	
Second Year	
Fall (14)	Spring (14)
PHYS 201 (4) <i>Technical elective (4)</i>	PHYS 202 (4) <i>Technical elective (4)</i>
CHEM 227 (3)	CHEM 228 (3)
CHEM 237 (1)	CHEM 238 (1) <i>Technical elective (1)</i>
Mathematics (3)	NUTR 301 (3)
NUTR 203 (3)	American History (3)
Third Year	
Fall (16)	Spring (14)
BICH 410 (3)	BIOL 320 (4)
BIOL 319 (4)	BICH 411 (3)
American History (3)	GENE 301 (3)
NUTR 365 (3)	GENE 312 (1)
POLS 206 (3)	POLS 207 (3)
Fourth Year	
Fall (15)	Spring (16)
STAT 301/302/303 (3)	NUTR 475 (3)
ENGL 210 (3)	NUTR 481 (1)
ANSC 326/FSTC 326 or BIOL 351 (4)	Language, philosophy, and culture (3)
FSTC 410/420/422 or NUTR 211/300/320/410/412/430/469/485/489/491 or SOCI 330 (3)	FSTC 410/420/422 or NUTR 211/300/320/410/412/430/469/485/489/491 or SOCI 330 (6)
General Elective (2)	General Elective (3)

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Biomedical Engineering (BS): Cellular and Molecular Bioengineering Courses

Prereq Course	Is it already in your degree plan?	Courses
English (6 hrs.)	Yes	ENGL 104/210
Statistics (3 hrs.)	Yes	BMEN 250/STAT 312
Introductory Biology w/ lab (8 hrs.)	No, you will need to specifically select this course	BIOL 111 & BIOL 112 will count for 8 hours of "University Core Curriculum"
Upper-level Biology (6 hrs.)	Yes	VTPP 434/435
General Chemistry w/ lab (8 hrs.)	Yes	CHEM 107/117 or 119 & CHEM 120
Organic Chemistry w/ lab (8 hrs.)	Partially	CHEM 227 is required of your degree plan. CHEM 228 will count as one of your "Technical electives". Discuss with your academic advisor how CHEM 237 & 238 will be incorporated.
Physics w/ lab (8 hrs.)	Yes	PHYS 206/216 & PHYS 207/217
Biochemistry (3 hrs.)	No, you will need to specifically select this course	BICH 410 will need to be added in and will count as one of your "Technical electives".

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Biomedical Engineering (BS): Cellular and Molecular Bioengineering Timeline

First Year	
Fall (17)	Spring (16)
CHEM 107 (3)	CHEM 120 (3)
CHEM 117 (1)	ENGR 216/PHYS 216 (2)
ENGL 103/104 (3)	PHYS 206 (3)
BIOL 111 (4)	BIOL 112 (4)
MATH 151 (4)	MATH 152 (4)
ENGR 102 (2)	
Second Year	
Fall (17)	Spring (18)
CHEM 227 (3)	CHEM 228 (3) <i>Technical elective (3)</i>
CHEM 237 (1)	CHEM 238 (1)
ENGR 217/PHYS 217 (2)	BMEN 250/STAT 312 (3)
PHYS 207 (3)	VTPP 435 (4)
VTPP 434 (4)	MATH 308 (3)
MATH 251/253 (3)	BMEN 207 (3)
BMEN 253 (1)	BMEN 254 (1)
Third Year	
Fall (16)	Spring (17)
BICH 410 (3) <i>Technical elective (3)</i>	BMEN 431 (3) <i>Technical elective (3)</i>
BMEN 321 (3)	BMEN 311 (3)
BMEN 351 (3)	BMEN 341 (3)
BMEN 353 (1)	BMEN 343 (3)
BMEN 361 (3)	BMEN 344 (3)
BMEN 201 (3)	BMEN 354 (2)
BMEN 399 (0)	
Fourth Year	
Fall (18)	Spring (15)
BMEN 432 (3) <i>Technical elective (3)</i>	ENGL 203/210 (3)
BMEN 453 (3)	University Core Curriculum (3)
University Core Curriculum (3)	BMEN 454 (3)
University Core Curriculum (3)	Technical elective from Cellular and Molecular Bioengineering Track (3)
University Core Curriculum (3)	University Core Curriculum (3)
University Core Curriculum (3)	

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDSAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Biochemistry (BS) Courses

Prereq Course	Is it already in your degree plan?	Courses
English (6 hrs.)	Yes	ENGL 104/203/210
Statistics (3 hrs.)	No, you will need to specifically select this course	You will need to choose a STAT class from the following: STAT 201/211/301/302/303/312. This will count as a "General elective"
Introductory Biology w/ lab (8 hrs.)	Yes	BIOL 111 & BIOL 112
Upper-level Biology (6 hrs.)	Yes	GENE 302, GENE 314, & BIOL 351
General Chemistry w/ lab (8 hrs.)	Yes	CHEM 119 & CHEM 120
Organic Chemistry w/ lab (8 hrs.)	Yes	CHEM 227, CHEM 237, CHEM 228, CHEM 238
Physics w/ lab (8 hrs.)	Yes	PHYS 206/216 & PHYS 207/217
Biochemistry (3 hrs.)	Yes	BICH 440

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

General Biochemistry (BS) Timeline

First Year	
Fall (15)	Spring (15)
CHEM 119 (4)	BIOL 111 (4)
ENGL 104 (3)	CHEM 120 (4)
BICH 101/GENE 101 (1)	University Core Curriculum (3)
MATH 151/171 (4)	MATH 152/172 (4)
General Elective (3)	
Second Year	
Fall (15)	Spring (15)
CHEM 227 (3)	CHEM 228 (3)
CHEM 237 (1)	CHEM 238 (1)
BIOL 112 (4)	PHYS 206/216 (4)
MATH 251 (3)	GENE 302 (3)
ENGL 203/210 (3)	GENE 314 (1)
General Elective (1)	University Core Curriculum (3)
Third Year	
Fall (14)	Spring (16)
BICH 440 (3)	STAT 201/211/301/302/303/312 <i>General Elective (3)</i>
PHYS 207/217 (4)	BICH 441 (3)
BICH 404 (2)	BICH 414 or BICH 432/GENE 432 (2)
BICH 491 (1)	BICH 491 (1)
University Core Curriculum (3)	University Core Curriculum (3)
General electives (2)	CHEM 327 (3)
Fourth Year	
Fall (16)	Spring (15)
BIOL 351 (4)	BICH 491 (1)
BICH 491 (1)	University Core Curriculum (3)
BICH 431/GENE 431 (3)	Biochemistry elective (6)
CHEM 328 (3)	General Elective (3)
University Core Curriculum (3)	

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDSAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Kinesiology (BS): Exercise Science Track, Motor Behavior Concentration

Prereq Course	Is it already in your degree plan?	Courses
English (6 hrs.)	Yes	6 hours of communication requires to graduate from TAMU, but make sure both are in the ENGL department, not COMM
Statistics (3 hrs.)	Yes	STAT 302/312
Introductory Biology w/ lab (8 hrs.)	Yes	BIOL 111 & BIOL 112
Upper-level Biology (6 hrs.)	Yes	BIOL 319, BIOL 320, VTPB 405, BIMS/GENE 320, VTPP 427
General Chemistry w/ lab (8 hrs.)	Yes	CHEM 119 & CHEM 120
Organic Chemistry w/ lab (8 hrs.)	No, you will need to specifically select this course	CHEM 227, CHEM 237, CHEM 228, CHEM 238
Physics w/ lab (8 hrs.)	Yes	PHYS 201 & PHYS 202
Biochemistry (3 hrs.)	No, you will need to specifically select this course	BICH 409

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Kinesiology (BS): Exercise Science Track, Motor Behavior Concentration Timeline

First Year	
Fall (15)	Spring (14)
BIOL 111 (4)	BIOL 112 (4)
CHEM 119 (4)	CHEM 120 (4)
KINE 199 (1)	ENGL 103/104 (3)
KINE 213 (3)	MATH 140/148/152/168/172 (3-4)
MATH 142/147/151/171 (3-4)	
Second Year	
Fall (14)	Spring (16)
CHEM 227 (3) <i>Professional development elective (3)</i>	CHEM 228 (3) <i>Professional development elective (3)</i>
CHEM 237 (1) <i>Professional development elective (1)</i>	CHEM 238 (1) <i>Professional development elective (1)</i>
PHYS 201 (4)	PHYS 202 (4)
PBSI 107 (3)	ENGL 210 (3)
Language, philosophy, and culture (3)	SOCI 205 (3)
	KINE 121 (2)
Third Year	
Fall (16)	Spring (16)
BICH 410 (3) <i>Professional development elective (3)</i>	BIOL 320 (4)
BIOL 319 (4)	KINE 318 (3)
KINE 307 (3)	PBSI 225/307 (3)
PBSI 306 (3)	POLS 206 (3)
American History (3)	American History (3)
Fourth Year	
Fall (16)	Spring (13)
STAT 302/303 (3)	Professional development elective (4)
POLS 207 (3)	KINE 199 (1)
KINE 427 (3)	KINE 406 (3)
KINE 433 (3)	KINE 407 (1)
KINE 435 (1)	KINE 426 (3)
Creative Arts (3)	KINE 428 (1)

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Neuroscience (BS): Behavioral and Cognitive Neuroscience Courses

Prereq Course	Is it already in your degree plan?	Courses
English (6 hrs.)	Yes	6 hours of communication requires to graduate from TAMU, but make sure both are in the ENGL department, not COMM
Statistics (3 hrs.)	Yes	STAT 302/312
Introductory Biology w/ lab (8 hrs.)	Yes	BIOL 111 & BIOL 112
Upper-level Biology (6 hrs.)	No, you will need to specifically select this course	You will need to specifically choose 6 hours of "Concentration electives" that count as upper level biology according to TMDSAS
General Chemistry w/ lab (8 hrs.)	Yes	CHEM 119 & CHEM 120
Organic Chemistry w/ lab (8 hrs.)	No, you will need to specifically select this course	CHEM 227, CHEM 237, CHEM 228, CHEM 238
Physics w/ lab (8 hrs.)	Yes	PHYS 201 & PHYS 202
Biochemistry (3 hrs.)	No, you will need to specifically select this course	BICH 410

Timeline Key	
Course Indication	Meaning
Purple courses	Pre-req courses <u>ALREADY</u> in your degree plan
Bolded blue courses	Pre-req courses <u>NOT ALREADY</u> in your degree plan, but have been added in/selected
<i>Italicized information below course selections</i>	Notes which credit/aspect on your degree plan the course is fulfilling

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMDSAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS

Neuroscience (BS): Behavioral and Cognitive Neuroscience Timeline

First Year	
Fall (15)	Spring (16)
BIOL 111 (4)	BIOL 112 (4)
CHEM 119 (4)	CHEM 120 (4)
NRSC 101/PBSI 101 (1)	PBSI 235 (3)
NRSC 277/VIBS 277 (3)	MATH 147/151/171 (4)
PBSI 107 (3)	General elective (1)
Second Year	
Fall (15)	Spring (14)
CHEM 227 (3) <i>Concentration elective (3)</i>	CHEM 228 (3) <i>Concentration elective (3)</i>
CHEM 237 (1) <i>Concentration elective (1)</i>	CHEM 238 (1) <i>Concentration elective (1)</i>
PHYS 201 (4)	PHYS 202 (4)
MATH 148/152/172 or STAT 201 (4)	Prescribed elective (3)
Prescribed elective (3)	Prescribed elective (3)
Third Year	
Fall (15)	Spring (15)
BICH 410 (3) <i>Concentration elective (3)</i>	Communication from the ENGL department (3)
STAT 302/312 (3)	Government/Political Science (3)
ENGL 104 (3)	Concentration elective (3)
Prescribed elective (3)	Prescribed elective (3)
General elective (3)	General elective (3)
Fourth Year	
Fall (15)	Spring (15)
<u>Upper-Level Biology</u> from Concentration Elective List <i>Concentration elective (3)</i>	<u>Upper-Level Biology</u> from Concentration Elective List <i>Concentration elective (3)</i>
Concentration elective (3)	Creative Arts (3)
Language, philosophy, and culture (3)	Concentration elective (3)
Government/Political Science (3)	Concentration elective (3)
American History (3)	American History (3)

Professional School Advising
 209 John J. Koldus Building
 College Station, TX 77843-1233
 Tel: 979.847.8938
 opsa@tamu.edu

Rev 9/16/24 AM & RC

NOTE: YOU ARE RESPONSIBLE FOR CHECKING THE [TMSAS COURSE LISTING](#) AND WITH YOUR ACADEMIC ADVISOR TO MAKE SURE YOU ARE FULFILLING THE MOST UP TO DATE COURSE LISTINGS/DEGREE REQUIREMENTS