College of Science and Technology

B.S. Biomedical Science

Pre-Pharmacy

2018-2019 Texas Common Course Numbering System Advising Guide



F TSU Requirement TCCNS Option Hours TSU Requirement TCCNS Option Hours PSYC or EDUC PSYC or EDUC 1 BIOL 1407 BIOL 1307/1107 0R BIOL 1407 4 R BIOL 1406 BIOL 1306/1106 0R BIOL 1306/1106 0R 4 CHEM 1412 TSU Core: Core EDUC 1300 CHEM 1412 TSU Core: COR CHEM 1411 4 S BIOL 1301 TSU Core: CAO CHEM 1311/1111 4 ENGL 1302 TSU Core: Communications ENGL 1302 3 MATH 2412 or 2413' TSU Core: Mathematics OR CHEM 1411 4 TSU Core: Communications See list of approved courses 3 YEAR FIRST SEMESTER SECOND SEMESTER 18 YEAR FIRST SEMESTER SECOND SEMESTER Credit Hours GOVT 2305 TSU Core: COVT 2305 TSU Core: COVT 2305 TSU Core: GOVT 2305 3 YEAR FIRST SEMESTER SECOND SEMESTER GOVT 2305 TSU Core: GOVERNENT/POlitical Science GOVT 2305 TSU Core: GOVERNENT/POlitical Science GOVT 2305 TSU Core: GOVERNENT/POlitical Science GOVT 2305 TSU Core: GOVERNENT/POlitical Science GOVT 2305 TSU Core: COVERNENT/POLITICAL Science GOVT 2305 TSU Core: GOVERNENT/POLITICAL Science GOVT 2305 TSU Core: GOVERNENT/POLITICAL Sc	Year	FIRS	T SEMESTER		SECO	ND SEMESTER	
For Corr EDUC. PENC or EDUC. PENC or EDUC. PENC or Corr EDUC. PENC Or COR OF EDUC. PENC OR OF EDUC. <th></th> <th>TSU Requirement</th> <th>TCCNS Option</th> <th></th> <th>TSU Requirement</th> <th>TCCNS Option</th> <th>Credit</th>		TSU Requirement	TCCNS Option		TSU Requirement	TCCNS Option	Credit
BIOL 1406 BIOL 1306/TIOB OR BIOL 1406 CHEM 1412 TSU Core: CHEM 1411 TSU Core: CHEM 1412 412 OR MATH 2412 or 2413 TSU Core: Mathematics MAIH 2413 MAIH 2413 MAIH 2413 4 YEAR FIRST SEMESTER SECOND SEMESTER Sec OND SEMESTER Sec OND SEMESTER TSU Requirement Hours TOTAL HOURS 18 YEAR FIRST SEMESTER SEC OND SEMESTER Credit Hours Sec OND SEMESTER Credit Hours Sec OND SEMESTER Credit Hours YEAR FIRST SEMESTER SEC OND SEMESTER 15 YEAR FIRST SEMESTER Sec OND SEMESTER Sec OND SEMESTER Sec OND SEMESTER Sec OND SEMESTER 15 YEAR FIRST SEMESTER SEC OND SEMESTER	F	FYS 1100 TSU Core: CAO	1100, PSYC or EDUC 1200, PSYC		BIOL 1407		
State CHEM 141 TSU Core: CAD CHEM 1411 ENGL 1301 TSU Core: CAD ENGL 1302 3 T ENGL 1301 TSU Core: CAD See list of approved courses 3 Total Hours 16 Total Hours 16 Total Hours 18 YEAR FIRST SEMESTER SECOND SEMESTER Credit Hours SECOND SEMESTER Credit Hours BIOL 2300 BIOL 2300 BIOL 2300 BIOL 2300 BIOL 2300 GOVIT 2305 TSU Core: Government/Political Science GOVIT 2305 TSU Core: GOVIT 2305 TSU Core: CHEM 2423 GOVIT 2305 TSU Core: CHEM 2425 GOVIT 2305 Total Hours TSU Requirement Total Hours TOCNS Option Hours Credit Hours FIRST SEMESTER SECOND SEMESTER Credit Hours SECOND SEMESTER Total Hours 13 T Total Hours TSU Requirement GOVIT 2306 TSU Core: GOVIT 2306 TSU Core: Core HWYS 24205 SECOND SEMESTER <		BIOL 1406	BIOL 1306/1106 OR	4			4
T ENGL 1301 SD Core: CAO ENGL 1301 3 MATH 2413 M		Life & Physical Science		4		ENGL 1302	3
MATH 2412 or 2413* TSU MATH 2412 OR MATH 2413 4 TSU Core: Core: Mathematics 6e list of approved courses 3 YEAR FIRST SEMESTER SECOND SEMESTER SECOND SEMESTER BIOL 2300 BIOL 2300 BIOL 2300 3 BIOL 3406 None 4 C CHEM 2423 CHEM 2323/1123 4 GOV 72305 SIC Cre: Government/Political GOVT 2305 SIC Cre: Government/Political GOVT 2305 3 MATH 3450 None 4 CHEM 2423 CHEM 2423 CHEM 2423 GOVT 2305 SIC Cre: Government/Political GOVT 2305 SIC Cre: Government/Political GOVT 2305 SIC Cre: GOVT 2305 SIC Cre: Total Hours 15 Total Hours 15 VEAR FIRST SEMESTER SECOND SEMESTER Credit Hours 15 VEAR FIRST SEMESTER SECOND SEMESTER Credit Hours 15 VEAR FIRST SEMESTER SECOND SEMESTER Credit Hours 16 GOVT 3305 SID Core: GOVERNMENT/Political GOVT 2306 SI 3 BIOL 3305 None 3 BIOL 3305 None 3 VEAR FIRST S			ENGL 1301	3	MATH 2413	MATH 2413	4
VEAR FIRST SEMESTER SECOND SEMESTER C TSU Requirement TCCNS Option Credit Hours TSU Requirement TCCNS Option Credit Hours BIOL 2300 BIOL 2300 3 BIOL 3406 None 4 C CHEM 2423 CHEM 2323/1123 OR CHEM 2423 4 GOVT 2305 TSU Core: Government/Political Science GOVT 2305 3 N BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2325/1123 or CHEM 2325/1123 4 N BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2325/1123 4 VEAR FIRST SEMESTER SECOND SEMESTER CHEM 2325/1123 4 Or CHEM 2425 4 YEAR FIRST SEMESTER SECOND SEMESTER SECOND SEMESTER CHEM 2325/1102 4 Advanced Elective None 3 BIOL 3353 None 3 Culture PHYS 1302/1102 PHYS 1301/1101 PHYS 1301/1101 PHYS 1302/02 OR PHYS 1402 OR PHYS 2426 OR PHYS 1402 OR P	т			4			3
S TSU Requirement BIOL 2300 TOCNS Option BIOL 2300 Credit Hours TSU Requirement TSU Requirement BIOL 2300 TCCNS Option BIOL 2300 Credit Hours C CHEM 2423 CHEM 2323/1123 OR CHEM 2423 4 GOVT 2305 TSU Core: Government/Political Science GOVT 2305 3 3 N BIOL 2300 None 4 BIOL 2407 CHEM 2425 4 N BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2325/1123 4 N BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2325/1125 4 N BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2425 4 YEAR FIRST SEMESTER SECOND SEMESTER Total Hours 15 Total Hours 15 YEAR FIRST SEMESTER SECOND SEMESTER CCNS Option Credit Hours CON 200 CR PHYS 1307/1101 Culture PHYS 1302/1102 OR PHYS 1402 OR PHYS 2426 PHYS 1302/1101 3 SECOND SEMESTER </td <td></td> <td colspan="2">Total Hours</td> <td>16</td> <td>Total Ho</td> <td>ours</td> <td>18</td>		Total Hours		16	Total Ho	ours	18
TSU Requirement TCCNS Option Credit Hours TSU Requirement TCCNS Option Hours Hours BIOL 2300 BIOL 2300 3 BIOL 3406 None 4 C CHEM 2423 CHEM 2423 4 GOVT 2305 TSU Core: Government/Political Science GOVT 2305 3 N BIOL 3407 None 4 BIOL 3407 None 4 BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2425 4 N BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2425 4 T Total Hours 15 Total Hours 15 Credit Hours 15 YEAR FIRST SEMESTER SECOND SEMESTER Credit Hours 16 Credit Hours 13 Advanced Elective None 3 BIOL 3353 None 3 GOVT 2306 TSU Core: Government/Political Science GOVT 2306 3 BIOL 3353 None 3 R Science PHYS 1301/1101 PHYS 1302/1102 OR PHYS 1302/1102 OR	Year	FIRST SEMESTER			SECOND SEMESTER		
BIOL 2300 BIOL 2300 3 BIOL 3305 None 4 C CHEM 2423 CHEM 232/1123 GOVT 2305 TSU Core: Government/Political Science GOVT 2305 3 O MATH 3450 None 4 BIOL 3407 None 4 N BIOL 3303 & BIOL 3103 None 4 BIOL 3407 None 4 N BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2425 4 N BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2425 4 O Total Hours 15 Total Hours 15 Cotal Hours 15 VEAR FIRST SEMESTER SECOND SEMESTER CCCNS Option Credit Hours 16 Advanced Elective None 3 BIOL 3353 None 3 3 GOVT 2306 TSU Core: GOVT 2306 3 Language, Philosophy, & Culture PHIL 1301 3 2426 OR PHYS 1302/1102 OR PHYS 1302/1102 OR PHYS 1302/1102 OR PHYS 1302/1102 OR		TSU Requirement	TCCNS Option		TSU Requirement	TCCNS Option	Credit Hours
C CHEM 2423 CHEM 2323/1123 OR CHEM 2423 4 Government/Political Science GOVT 2305 3 M MATH 3450 None 4 BIOL 3407 None 4 BIOL 3303 & BIOL 3103 None 4 BIOL 3407 None 4 Total Hours 15 Total Hours 15 Total Hours 15 YEAR FIRST SEMESTER SECOND SEMESTER SECOND SEMESTER TSU Requirement TCCNS Option Credit Hours Advanced Elective None 3 BIOL 3353 None 3 GOVT 2306 TSU Core: Government/Political Science GOVT 2306 3 Language. Philosophy. & Language. Philosophy. & 2425 PHIL 1301 3 PHYS 1401 OR PHYS 2425 OR PHYS 1401: OR PHYS 2325/2125 4 PHYS 1402 OR PHYS 2426 PHYS 1302/1102 OR PHYS 2326/2126 OR PHYS 2325/2125 OR PHYS 2325/2125 A PHYS 1302/1102 OR PHYS 1302/1102 D ENGL 3309* None 3 BIOL 4374 FIBST 350/1101 OR PHYS 1402 OR PHYS 2426 PHYS 1302/1102 OR PHYS 1402 OR PHYS 2426 D PHYS 1302/110	E .	BIOL 2300	BIOL 2300	3		None	4
MATH 3450 None 4 BIOL 3407 None 4 BIOL 3303 & BIOL 3103 None 4 CHEM 2425 CHEM 2325/1125 4 Total Hours 15 Total Hours 15 Total Hours 15 YEAR FIRST SEMESTER SECOND SEMESTER SECOND SEMESTER Advanced Elective None 3 BIOL 3353 None 3 GOVT 2306 TSU Core: Government/Political Science PHYS 1301/1101 OR PHYS 1401: OR PHYS 1301/1101 OR PHYS 1401: OR PHYS 2425 PHIS 1302/1102 OR PHYS 2326/2126 PHIS 1302/1102 OR PHYS 2326/2126 PHYS 1302/1102 OR PHYS 2326/2126 OR PHYS 1402: OR PHYS 2326/2126 PHYS 1302/1102 OR PHYS 2326/2126 OR PHYS 2326/2126 OR PHYS 1402: OR PHYS 2326/2126 PHYS 1302/1102 OR PHYS 2426 OR PHYS 2326/2126 OR PHY		CHEM 2423		4	Government/Political	GOVT 2305	3
BIOL 3303 & BIOL 3103 None 4 CHEM 2425 or CHEM 2425 4 Total Hours 15 Total Hours 15 Total Hours 15 YEAR FIRST SEMESTER SECOND SEMESTER SECOND SEMESTER Advanced Elective None 3 BIOL 3353 None 3 GOVT 2306 TSU Core: Government/Political Science GOVT 2306 3 Language, Philosophy, & Culture PHIL 1301 TSU Core: Culture PHIS 1302/1102 PHYS 1401 OR PHYS 2425 OR PHYS 1401; OR PHYS 2326/2125 4 PHYS 1402; OR PHYS 2326/2126 4 BIOL 4374 (Fail Only) None 4 HIST 1301 TSU Core: American History HIST 1301 3 YEAR FIRST SEMESTER SECOND SEMESTER Total Hours 17 Total Hours 13 YEAR FIRST SEMESTER SECOND SEMESTER Total Hours 17 Total Hours 13 YEAR FIRST SEMESTER SECOND SEMESTER BIOL 4376 (SU II Only), BIOL 3400, BIOL 3395, BIOL 3400, BIOL 3395, BIOL 3400, BIOL 3395, BIOL 3400, BIOL 3395, BIOL 3430, BIOL 3395, BIOL 3400, BIOL 4350, BIOL 4445, BIOL 4450, BI	U	MATH 3450	None	4	BIOL 3407		4
Total Hours15Total Hours15YEARFIRST SEMESTERSECOND SEMESTERTTSU RequirementTCCNS OptionCredit HoursTSU RequirementTCCNS OptionCredit HoursAdvanced ElectiveNone3BIOL 3353None3GOVT 2306 TSU Core: Government/Political ScienceGOVT 23063PHIL 1301 TSU Core: Language, Philosophy, & CulturePHIS 1302/11023PHYS 1401 OR PHYS 2425OR PHYS 1401: OR PHYS 1201/1101 OR PHYS 2425PHYS 1402 OR PHYS OR PHYS 1402: OR OR PHYS 2426PHYS 1302/1102 PHYS 1402 OR PHYS OR PHYS 2426PHYS 1302/1102 OR PHYS 2426PHYS 1302/1102 OR PHYS 2426BIOL 4374 (Fall Only)None4HIST 1301 TSU Core: American HistoryHIST 13013YEARFIRST SEMESTERSECOND SEMESTER13YEARFIRST SEMESTERSECOND SEMESTER13YEARFIRST SEMESTERSECOND SEMESTER13BIOL 4360, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3450, BIOL 4340, BIOL 4350, BIOL 4364, BIOL 4350, BIOL 4364	N	BIOL 3303 & BIOL 3103	None	4	CHEM 2425		4
TSU RequirementTCCNS OptionCredit HoursTSU RequirementTCCNS OptionCredit HoursTAdvanced ElectiveNone3BIOL 3353None3GOVT 2306 TSU Core: Government/Political ScienceGOVT 23063Language, Philosophy, & Language, Philosophy, & 2425PHIL 1301 TSU Core: Language, Philosophy, & 2425PHIS 1301/1101 OR PHYS 1302/1102 OR PHYS 1402: OR PHYS 2325/2125PHYS 1402 OR PHYS 2426PHYS 1302/1102 OR PHYS 1402: OR PHYS 2326/2126 OR PHYS 2426BIOL 4374 (Fall Only)None4HIST 1301 TSU Core: American HistoryHIST 13013ENGL 3309*None3IIYEARFIRST SEMESTERSECOND SEMESTERTTOtal Hours17Total Hours13YEARFIRST SEMESTERSECOND SEMESTERBIOL 3430, BIOL 3395, BIOL 3430, BIOL 3485, BIOL 4445, BIOL 4375None3BIOL 4460None3BIOL 4185 (Spring BIOL 3430, BIOL 3395, BIOL 3430, BIOL 3395, BIOL 3430, BIOL 3435, BIOL 4345, BIOL 4335, BIOL 4345, BIOL 4335, BIOL 4340, BIOL 4335, CISP Only), OR BIOL 4378 (SP Only)None3HHIST 1302 TSU Core: American HistoryHIST 13023ECON 2301 TSU Core: Social & Behavioral ScienceECON 23013HAdvanced ElectiveNone4TSU Core: Creative ArtsSee list of approved courses3	П	Total Hours		15			15
ISU Requirement ICCNS Option Hours ISU Requirement ICCNS Option Hours Advanced Elective None 3 BIOL 3353 None 3 GOVT 2306 TSU Core: Government/Political Science GOVT 2306 3 PHIL 1301 TSU Core: Language, Philosophy, & Culture PHIL 1301 3 PHYS 1401 OR PHYS 2425 PHYS 1301/1101 OR PHYS 2325/2125 4 PHYS 1402 OR PHYS 2426 PHYS 1302/1102 OR PHYS 2326/2126 0 PHYS 1302/1102 OR PHYS 2326/2126 4 BIOL 4374 (Fall Only) None 4 HIST 1301 TSU Core: American History HIST 1301 3 YEAR FIRST SEMESTER SECOND SEMESTER 13 YEAR FIRST SEMESTER SECOND SEMESTER Credit Hours BIOL 4460 None 3 BIOL 4185 (Spring Onity) None 1 BIOL 3300, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 445, BIOL 4350, BIOL 4445, BIOL 4350, BIOL	Year	FIRST SEMESTER			SECOND SEMESTER		
T Advanced Elective None 3 BIOL 3353 None 3 GOVT 2306 TSU Core: Government/Political Science GOVT 2306 3 PHIL 1301 TSU Core: Language, Philosophy, & Culture PHIL 1301 3 PH Science PHYS 1301/1101 OR PHYS 1321/225 GUVT 2306 3 PHYS 1402 OR PHYS 2425 PHYS 1402: OR PHYS 1402: OR PHYS 2326/2125 PHYS 1402: OR PHYS 2326/2126 PHYS 1302/1102 OR PHYS 12425 OR PHYS 1402: OR PHYS 2326/2126 PHYS 1301 TSU Core: American History PHYS 1301 3 ENGL 3309* None 4 PHIST 1301 TSU Core: American History HIST 1301 3 YEAR FIRST SEMESTER SECOND SEMESTER 13 YEAR FIRST SEMESTER SECOND SEMESTER Credit Hours BIOL 4460 None 3 BIOL 4185 (Spring Only) None 1 BIOL 3402 (SU II Only), BIOL 3402 (SU II Only), BIOL 3402 (SU II Only), BIOL 3402 (SU II Only), BIOL 3403 (SU Only) BIOL 43405, BIOL 3395, BIOL 3404, BIOL 3435, BIOL 4340, BIOL 3435, BIOL 4340, BIOL 4350, BIOL 4340, BIOL 4350, BIOL 4345, BIOL 3435, BIOL 4340, BIOL 4350, BIOL 4345, BIOL 3435, BIOL 4340, BIOL 4350, BIOL 4345, BIOL 3435, BIOL 4345, BIOL 3435, BIOL 4345, BIOL 3435, BIOL 4346, BIOL 4350, BIOL 4345, BIOL 4350, BIOL 4345, BIOL 4350, BIOL 4345,		TSU Requirement	TCCNS Option		TSU Requirement	TCCNS Option	Credit Hours
H GOVT 2306 TSU Core: Government/Political Science GOVT 2306 3 Language, Philosophy, & Language, Philosophy, & Culture PHIL 1301 3 I PHYS 1401 OR PHYS 2425 PHYS 1301/1101 OR PHYS 1401 OR 2425 PHYS 1302/1102 OR PHYS 1402 OR PHYS 2426 PHYS 1302/1102 OR PHYS 1402 OR PHYS 2426 PHYS 1302/1102 OR PHYS 2426 4 D BIOL 4374 (Fall Only) None 4 PHYS 1301 TSU Core: American History HIST 1301 3 ENGL 3309* None 3 IIIST 1301 TSU Core: American History HIST 1301 3 YEAR FIRST SEMESTER SECOND SEMESTER 13 YEAR FIRST SEMESTER SECOND SEMESTER Credit Hours TOCNS Option Credit Hours BIOL 4460 None 3 BIOL 4185 (Spring Only) None 1 BIOL 3402 (SU II Only), BIOL 3403, BIOL 3485, BIOL 3402 (SU II Only), BIOL 4445, BIOL 4375 None 3 BIOL 4305 (SP Only) 3 H HIST 1302 3 ECON 2301 TSU Core: Social & Behavioral Science ECON 2301 TSU Core: Social & Behavioral Science See list of approved courses </td <td>т</td> <td>Advanced Elective</td> <td>None</td> <td></td> <td>BIOL 3353</td> <td>None</td> <td></td>	т	Advanced Elective	None		BIOL 3353	None	
I PHYS 1401 OR PHYS 2425PHYS 1301/1101 OR PHYS 1401: OR PHYS 2325/2125 OR PHYS 2426PHYS 1402: OR PHYS 2426PHYS 1302/1102 OR PHYS 1402: OR PHYS 2426/0R PHYS 24264DBIOL 4374 (Fall Only)None4HIST 1301 TSU Core: American HistoryHIST 13013ENGL 3309*None3IITotal Hours17Total Hours13YEARFIRST SEMESTERSECOND SEMESTERBIOL 4460None3BIOL 4185 (Spring Only)NoneBIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3402, BIOL 4350, BIOL 3404, BIOL 4350, BIOL 3404, BIOL 4350, BIOL 4445, BIOL 4350, BIOL 3402 (SU II Only), BIOL 3402 (SU II Only), BIOL 3402, BIOL 4350, BIOL 4445, BIOL 43		Government/Political	GOVT 2306	3	Language, Philosophy, &	PHIL 1301	3
DBIOL 4374 (Fall Only)None4HIST 1301 TSU Core: American HistoryHIST 13013ENGL 3309*None3		PHYS 1401 OR PHYS	OR PHYS 1401; OR PHYS 2325/2125	4	PHYS 1402 OR PHYS	OR PHYS 1402; OR PHYS 2326/2126	4
YEARFIRST SEMESTER17Total Hours13YEARFIRST SEMESTERSECOND SEMESTERTSU RequirementTCCNS OptionCredit HoursTSU RequirementTCCNS OptionCredit HoursBIOL 4460None3BIOL 4185 (Spring Onlv)None1BIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4340, BIOL 4350, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4375BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4445, BIOL 4375BIOL 3402 (SU II Only), BIOL 4445, BIOL 4375None3UHIST 1302 TSU Core: American HistoryHIST 13023ECON 2301 TSU Core: Social & Behavioral ScienceECON 23013HAdvanced ElectiveNone4TSU Core: Creative ArtsSee list of approved courses3	D	BIOL 4374 (Fall Only)		4			3
YEARFIRST SEMESTERSECOND SEMESTERTSU RequirementTCCNS OptionCredit HoursTSU RequirementTCCNS OptionCredit HoursBIOL 4460None3BIOL 4185 (Spring Onlv)None1BIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4340, BIOL 4355, BIOL 4345, BIOL 4375 (SP Only), OR BIOL 4378 (SP Only)None3BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4345, BIOL 4375 (SP Only), OR BIOL 4378 (SP Only)None3BIOL 4445, BIOL 4375 (SP Only), OR BIOL 4378 (SP Only)None3THIST 1302 TSU Core: American HistoryHIST 13023ECON 2301 TSU Core: Social & Behavioral ScienceECON 23013HAdvanced ElectiveNone4TSU Core: Creative ArtsSee list of approved courses3		ENGL 3309*	None	3			
FTSU RequirementTCCNS OptionCredit HoursTSU RequirementTCCNS OptionCredit HoursBIOL 4460None3BIOL 4185 (Spring Onlv)None1BIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4350, BIOL 4445, BIOL 4375 (SP Only), OR BIOL 4378 (SP Only)None3BIOL 3402 (SU II Only), BIOL 4445, BIOL 4375 (SP Only), OR BIOL 4378 (SP Only)None3BIOL 3402 (SU II Only), BIOL 4445, BIOL 4375 (SP Only), OR BIOL 4378 (SP Only)None3BIOL 4445, BIOL 4350, BIOL 4378 (SP Only)None3HAdvanced ElectiveNone4TSU Core: Creative ArtsEcON 23013CON 2301See list of approved courses3See list of approved courses3		Total Ho	urs	17	Total Ho	ours	13
FBIOL 4460None3BIOL 4185 (Spring Only)None10BIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4350, BIOL 4445, BIOL 4375BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4445, BIOL 4375, (SP Only), OR BIOL 4378 (SP Only)None3BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4375, (SP Only), OR BIOL 4378 (SP Only)None3BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4345, BIOL 4375, (SP Only), OR BIOL 4378 (SP Only)None3BIOL 4340, BIOL 4350, BIOL 4375, (SP Only), OR BIOL 4378 (SP Only)None3THIST 1302 TSU Core: American HistoryHIST 13023ECON 2301 TSU Core: Social & Behavioral ScienceECON 23013HAdvanced ElectiveNone4TSU Core: Creative ArtsSee list of approved courses3	YEAR						
BIOL 4460None3BIOL 4185 (Spring Only)None1BIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4350, BIOL 4350, OR BIOL 4378 (SP Only), OR BIOL 4378 (SP Only)None3BIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4345, BIOL 4350, BIOL 4445, BIOL 4375 (SP Only), OR BIOL 4378 (SP Only)None3BIOL 4340, BIOL 4350, BIOL 4345, BIOL 4375R4378 (SP Only) American HistoryHIST 13023ECON 2301 TSU Core: Social & Behavioral ScienceECON 23013HAdvanced ElectiveNone4TSU Core: Creative ArtsSee list of approved courses3		TSU Requirement	TCCNS Option		TSU Requirement	TCCNS Option	
FBIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4350, BIOL 4445, BIOL 4375 (SP Only), OR BIOL 4378 (SP Only)BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4375, (SP Only), OR BIOL 4378 (SP Only)None3BIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4375, (SP Only), OR BIOL 4378 (SP Only)None3BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4375, (SP Only), OR BIOL 4378 (SP Only)None3THIST 1302 TSU Core: American HistoryHIST 13023ECON 2301 TSU Core: Social & Behavioral ScienceECON 23013HAdvanced ElectiveNone4TSU Core: Creative ArtsSee list of approved courses3		BIOL 4460	None		••••	None	
T HIST 1302 TSU Core: American History HIST 1302 3 ECON 2301 TSU Core: Social & Behavioral Science ECON 2301 3 H Advanced Elective None 4 TSU Core: Creative Arts See list of approved courses 3	o U	BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4375 (SP Only), OR BIOL	None	3	BIOL 3380, BIOL 3395, BIOL 3402 (SU II Only), BIOL 3413, BIOL 3485, BIOL 4340, BIOL 4350, BIOL 4445, BIOL 4375 (SP Only), OR BIOL		3
H Advanced Elective None 4 TSU Core: Creative Arts See list of approved courses 3	т	HIST 1302 TSU Core:	HIST 1302	3	ECON 2301 TSU Core: Social & Behavioral	ECON 2301	3
BIOL 4398* None 3	н	Advanced Elective	None	4			3
Total Hours 13 Total Hours 13							

*Designates Writing Intensive Courses #See University Catalog or Academic Advisor for Applicable Courses +See Back Page

College of Science and Technology

B.S. Biomedical Science

Pre-Pharmacy



2018-2019 Texas Common Course Numbering System Advising Guide

Degree Specific

- This 8 semester evaluation is contingent on the successful completion of each class.
- Please note this evaluation is designed with prerequisites and course rotation in mind.
- ⁺Placement into MATH 2413 is based upon the score obtained on the college level MATH placement exam.
- A student who counts MATH 2413 towards general education requirements must complete an additional 4 hours, in this concentration, of coursework in order to meet the 120 hour requirement.

Degree Information

Texas Common Course Numbering System (TCCNS) provides a shared, uniform set of course designations for students and their advisors to use in determining both course equivalency and degree applicability of transfer credit on a statewide basis.

This 120 hour four-year degree plan provides a model for on-time completion of this TSU program using as many TCCNS courses as possible. The four-year plan also

 shows the first point when no TCCNS options are available for this program. See the current Undergraduate Catalog for course prerequisites. Course availability at TSU is subject to change, and the plan shown may change based on updates to TSU's course offerings.

Individual academic programs may require specific courses contained in parts of the University Core Curriculum as prerequisites for certain major

- <u>requirements.</u> Students who wish to take courses that will fulfill both core and major requirements simultaneously should check with academic advisors for assistance in selecting core courses.
- Students meet the Writing Proficiency Requirement by completing two upper-level
 Writing Intensive courses in their major or courses designed for their degree program. Contact the Academic Advisor for additional information or questions.
- Residence is satisfied only by official enrollment in and completion of course work applied toward the degree requirements.

A minimum of 30 semester hours of work must be completed through upper level courses (3000 or 4000 level) delivered by Tarleton and 12 of these advanced hours must be in the major.

- A minimum of 45 advanced credits (3000/4000 level course work) are required and needed to satisfy degree requirements.
- How does duplicating a course impact my GPA?

A student may take a course a second or subsequent time at the same institution. The highest grade will be included in the GPA calculation.

Can I take a course at another school and transfer it back to TSU?
 If you plan to take a course at another school and transfer it back to TSU, you
 need to meet with both an advisor and Transfer Services. An advisor can tell you
 the correct course number to take and assist with completion of a Concurrent
 Enrollment Form if needed.