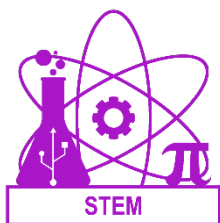


BIG BEND COMMUNITY COLLEGE

STEM

Pre-CHEMISTRY – TRANSFER



Chemistry is a fundamental physical science that deals with the nature of materials and energy in humans, animals, plants, and the world around us. Earning a degree in chemistry prepares students for variety of career fields as diverse as medicine, pharmacology, environmental science, engineering, industry, education, ecology, forensic science, or agriculture.

The chemistry program provides courses to meet a variety of student needs. For science and engineering majors, up to one year of college transfer course work is available in the form of our General Chemistry series (CHEM& 161, 162, 163). Students enrolled in this program will earn an Associates of Science – Transfer Degree (AS-T Track I) with an annotation of Chemistry Pre-Major.

If you are planning on transferring to a 4-year institution, you should consult program outlines published by those colleges or universities to which you intend to transfer. Our faculty members are happy to help guide students through this process and the sooner you come talk with us, the faster we can get you on track to an exciting career in the sciences.

ENTRY REQUIREMENTS

- Complete Application and placement processes
- Meet with an advisor prior to enrolling

DEGREE REQUIREMENTS

Breadth and Chemistry Core (90 Credits)

- | | |
|--|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> ENGL& 101 – Composition I (5) <input type="checkbox"/> Humanities & Social Sciences (15)
(must select at least one HU and one SS course) <p>Some recommended Humanities (HU) courses:
 CMST& 220 – Public Speaking (5)
 HUM 214 – Diversity Issues (5)
 <i>Meets EWU Diversity requirement</i></p> <p>Foreign Language (FRCH&, GERM&, SPAN&) (5)
 <i>Universities require one year of college-level or two years of high school foreign language</i></p> <p>Some recommended Social Science (SS) courses:
 ECON& 201 – Microeconomics (5)
 PSYC& 100 – General Psychology (5)
 POLS& 203 – International Relations (5)
 SOC& 101 – Introduction to Sociology (5)</p> | <ul style="list-style-type: none"> <input type="checkbox"/> CHEM& 161 – General Chemistry I (5) <input type="checkbox"/> CHEM& 162 – General Chemistry II (5) <input type="checkbox"/> CHEM& 163 – General Chemistry III (5) <input type="checkbox"/> MATH& 151 – Calculus I (5) <input type="checkbox"/> MATH& 152 – Calculus II (5) <input type="checkbox"/> MATH& 163 – Calculus III (5)
or MATH& 146 – Introduction to Statistics (5) <input type="checkbox"/> PHYS& 221 – Engineering Physics I (5) <input type="checkbox"/> PHYS& 222 – Engineering Physics II (5) <input type="checkbox"/> PHYS& 223 – Engineering Physics III (5) <p>Physical Education/Health and Wellness
 <input type="checkbox"/> PEH excluding theory (3)</p> <p>Additional Science or Mathematics Sequence (15)
 <input type="checkbox"/> BIOL& 221, 222, 223 – Majors Biology (15)
 MATH 220, 230, &254 (15)</p> |
|--|--|

Electives (10 Credits)

- | | |
|--|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> CHEM& 121 – Intro Chemistry (5) <input type="checkbox"/> CHEM& 131 – Intro to Organic/BioChem (5) <input type="checkbox"/> ENGL& 235 – Technical Writing (5) <input type="checkbox"/> Other preselected transfer courses that have been identified with your advisor | <ul style="list-style-type: none"> <input type="checkbox"/> MATH& 141 – Pre-Calculus I (5) <input type="checkbox"/> MATH& 142 – Pre-Calculus II (5) <input type="checkbox"/> MATH 220 – Linear Algebra (5) <input type="checkbox"/> MATH 230 – Differential Equations (5) <input type="checkbox"/> MATH& 254 – Multivariable Calculus (5) |
|--|--|

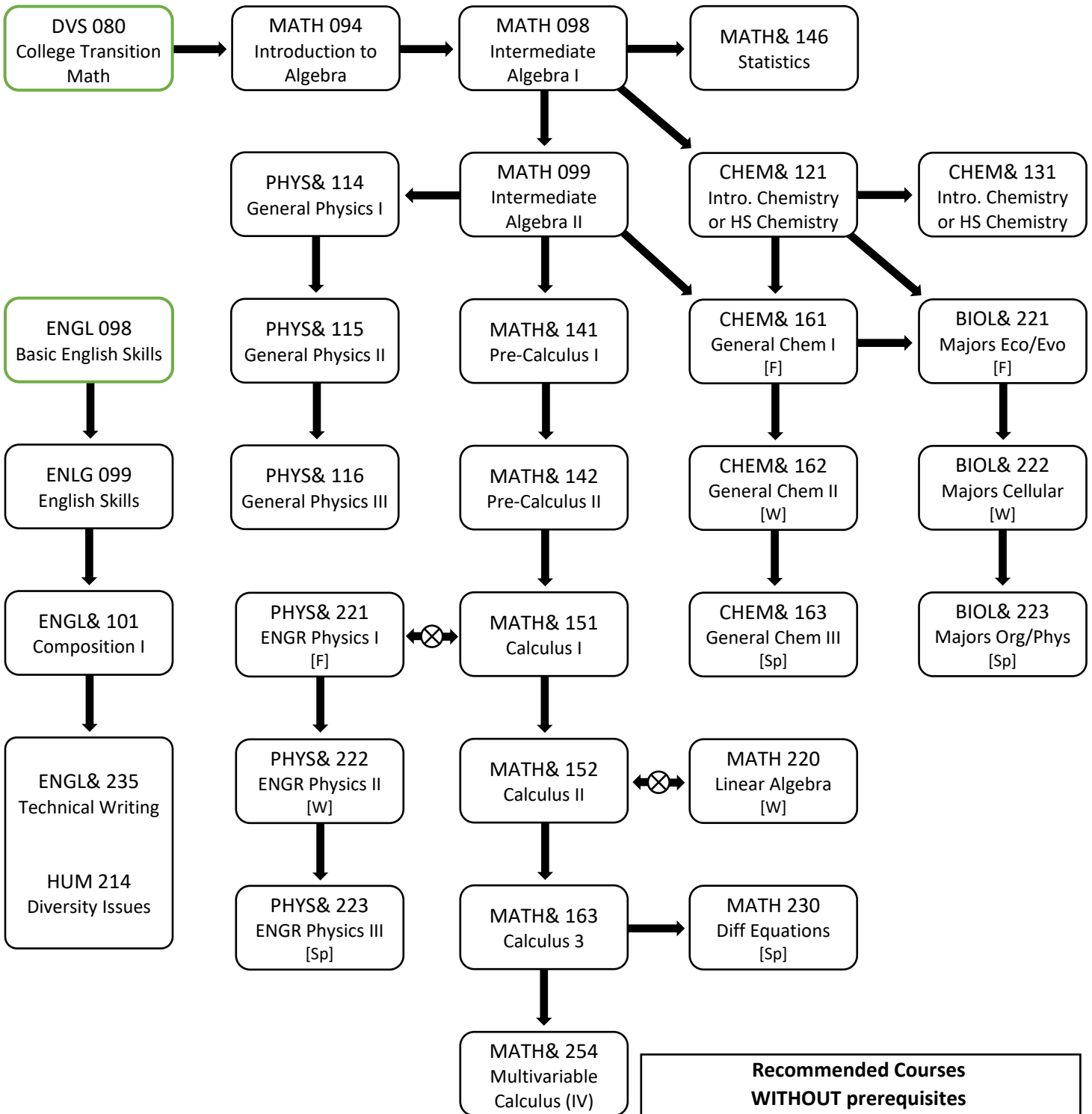
90 TOTAL DEGREE CREDITS

NAME: _____

SID: _____

CHEMISTRY PREREQUISITE FLOW CHART

Start by talking with your assigned advisor to determine which courses to take first based on your placement scores.



KEY

STARTING POINT of SEQUENCE

PRE-requisite

CO-requisite

[F = fall W = winter Sp = spring Su = summer]

Recommended Courses WITHOUT prerequisites

- CMST& 220 – Public Speaking
- ECON& 201 - Microeconomics
- ENVS& 100 – Survey of Environmental Science
- Foreign Languages (FRCH&, GERM&, SPAN&)
- PE/PEH 100 or above
- POLS& 203 – International Relations
- PSYC& 100 – General Psychology
- SOC& 101 – Introduction to Sociology

NAME: _____

STARTING WITH PLACEMENT AT BELOW PRE-CALCULUS & NO PREVIOUS CHEMISTRY QUARTERLY PROGRAM PLAN (YEAR ONE)		
FALL (15 credits)	WINTER (15 credits)	SPRING (15 credits)
CHEM& 105 (5) ENGL 098/099 (5) MATH 094-099 (5)	Advisor Approved HU/SS (5) ENGL& 101 (5) MATH& 141 (5)	Advisor Approved HU/SS (5) CHEM& 121 (5) MATH& 142 (5)
QUARTERLY PROGRAM PLAN (YEAR TWO)		
FALL (10 credits)	WINTER (15 credits)	SPRING (10 credits)
CHEM& 161 (5) MATH& 151 (5)	CHEM& 162 (5) MATH& 152 (5) Advisor Approved HU/SS (5)	CHEM& 163 (5) MATH& 163 or 146 (5)
EXAMPLE QUARTERLY PROGRAM PLAN (YEAR THREE)		
FALL (10 credits)	WINTER (10 credits)	SPRING (10 credits)
PHYS& 221 (5) MATH& 254 (5) (prereq of 163) or BIOL& 221 (5)	PHYS& 222 (5) MATH 220 (5) or BIOL& 222 (5)	ENGL& 235 (5) PHYS& 223 (5) MATH 230 (5) or BIOL& 223

STARTING WITH PLACEMENT OF PRE-CALCULUS & PREVIOUS CHEMISTRY QUARTERLY PROGRAM PLAN (YEAR ONE)			
FALL (15 credits)	WINTER (15 credits)	SPRING (15 credits)	SUMMER 9.5-10 credits)
CHEM& 161 (5) ENGL& 101 (5) MATH& 141 (5)	CHEM& 162 (5) Advisor Approved HU/SS (5) MATH& 142 (5)	CHEM& 163 (5) ENGL& 235 (5) MATH& 151 (5)	Advisor Approved HU/SS (5) BIOL& 100 (5) or MATH& 146 (5) in place of Winter of YR2
QUARTERLY PROGRAM PLAN (YEAR TWO)			
FALL (credits)	WINTER (credits)	SPRING (credits)	
BIOL& 221 (5) MATH& 152 (5) PHYS& 221 (5)	BIOL& 222 (5) MATH& 163 or 146 (5) PHYS& 222 (5)	Advisor Approved HU/SS (5) BIOL& 223 (5) PHYS& 223 (5)	

SID: _____

ADVISING		
FALL	WINTER	SPRING
<input type="checkbox"/> Fill out FAFSA or WAFSA for next year <input type="checkbox"/> Meet with your advisor Last fall @ BBCC <input type="checkbox"/> Begin university admissions process <input type="checkbox"/> Research outside scholarships <input type="checkbox"/> Identify letters of recommendation	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> BBCC Foundation scholarship app Last winter @ BBCC <input type="checkbox"/> Submit admissions app by Jan 15 <input type="checkbox"/> Complete university scholarship apps <input type="checkbox"/> Apply for BBCC graduation	<input type="checkbox"/> Assess program plan with advisor <input type="checkbox"/> Research summer employment Last spring @ BBCC <input type="checkbox"/> Submit final transcripts to universities <input type="checkbox"/> Confirm with a university

NAME: _____

QUARTERLY REGISTRATION PLANNING					
QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

QUARTERLY REGISTRATION PLANNING					
QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

QUARTERLY REGISTRATION PLANNING					
QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

QUARTERLY REGISTRATION PLANNING					
QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

QUARTERLY REGISTRATION PLANNING					
QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	ITEM #

SID: _____