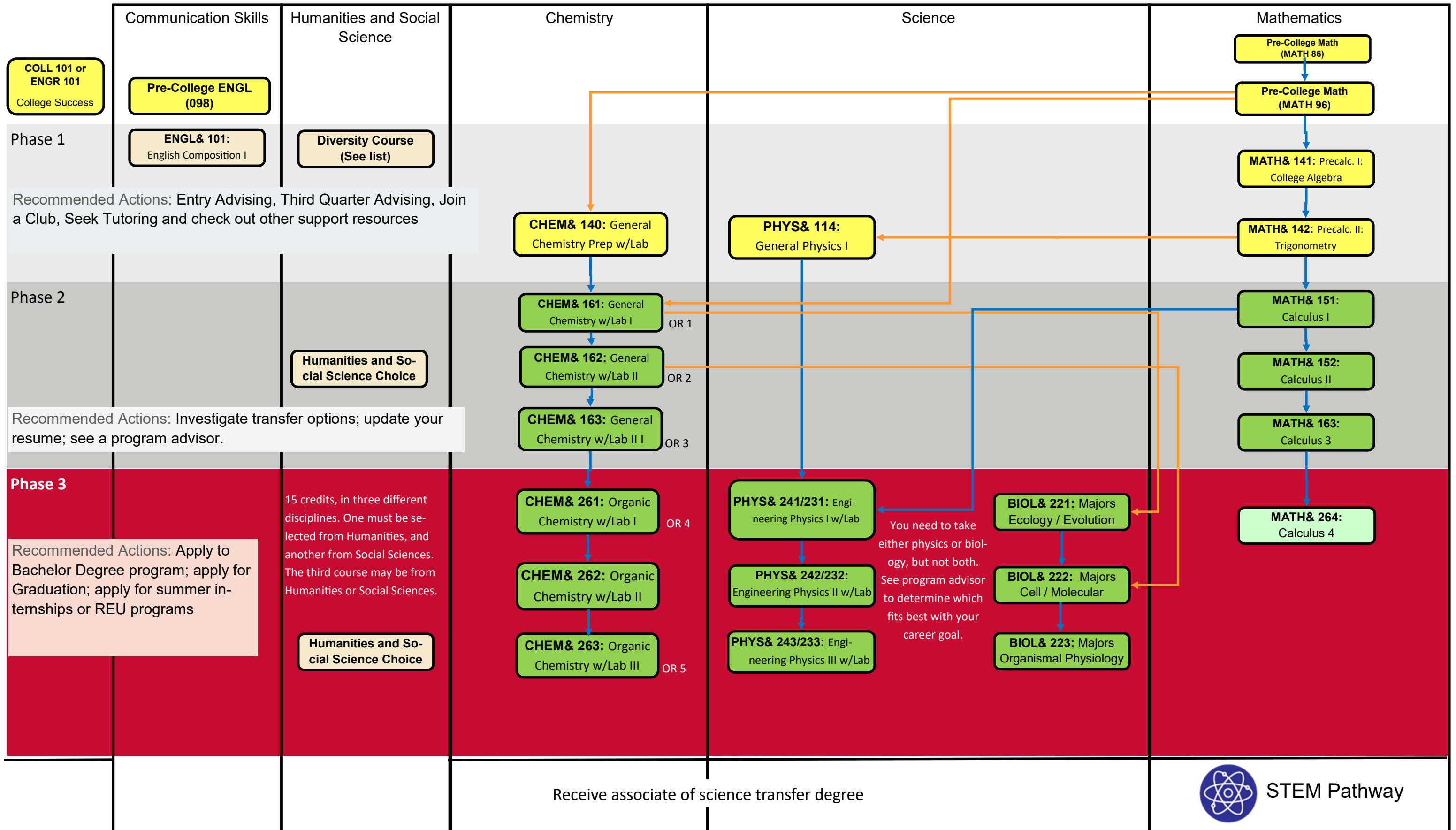

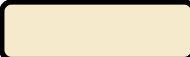







CHEMISTRY: This program is designed to prepare students to transfer to a Bachelor's Degree program in chemistry. Chemistry is a good foundation for most science, engineering careers and many health care careers.



Key:

-  - Prerequisite Course
-  - Required for Associate of Science Transfer (AS-T) degree from EvCC
-  - Could take at transfer institution, highly recommended to take at EvCC for ease of transfer
-  - Admission requirement for Bachelor Degree Programs
-  - Prerequisite requirements
-  - Suggested Path
-  - Can be taken concurrent

OFF-RAMPS (OR)

Off-ramps are points in the path where switching to another major is possible without loss or minimal loss of time and credits.

OR 1— Electrical Engineering and Computer Science require 1 quarter of general chemistry

OR 2—Environmental science requires 2 quarters of general chemistry

OR 3—Most engineering majors and science majors, such as physics, require 1 year of general chemistry.

OR 4—Bioengineering, chemical engineering and physical engineering only require 1-2 quarters of organic chemistry—check your transfer institution for exact details

OR 5—Biology and biochemistry majors require the biology and organic chemistry series; pre-medical, pre-pharmacy, pre-dentistry, and pre-veterinary majors require the organic chemistry, biology, and physics series.



STEM Pathway

Recommended Electives

All students must take at least one Diversity course. Diversity courses have a “D” in the course number. Students may choose any courses, however there are some recommendations below. See AS-T for full list.

Recommended Diversity Courses:

GS 101D - Global Studies (Humanities)

ANTH& 206D - Cultural Anthropology (Social Science)

Recommended Humanities:

CMST&210 - Interpersonal Communication

CMST&220 - Public Speaking *

PHIL 215 - Ethics

Some 4-year institutions have different foreign language requirements. One (1) quarter of a foreign language can also fulfill your humanities requirement.

Recommended Social Sciences:

SOC& 101 - Intro to Sociology

PSYCH& 100 - General Psychology

Additional recommendations:

Chemists need excellent written and oral communication skills. It is recommended to take CMST& 220* (Public Speaking—counts as humanities). If time permits consider taking ENGL& 230 (Technical Writing) or ENGL& 235 (Technical Writing and Research).

Student Resources: <https://www.everettcc.edu/students/>

Phase 1

Chemistry is a great major for pursuing careers not only in chemistry, but also in toxicology, pharmacology, biochemistry, material science, bioengineering, medical, veterinary or pharmaceutical professions. Other less obvious occupations include patent law, food science, environmental scientist, manufacturing, program management, policy/law, technical communication, public safety, sales and marketing (see a program advisor to discuss possibilities).

Check out Trio, MESA, Bridges Center, Propels, Entry Advising, MEP Advising, Join a Club, Seek Tutoring, Writing Center, Student LIFE, CDS office

How to get to know your campus and peers?

Join a [Club](#) (link to EvCC page), form study groups, visit the Maker Space (WHI 253), drop by the tutoring center, get to know your lab techs, get to know your faculty outside of class (ex. visit them during office hours), visit the library

Phase 2

These courses are the foundation for the chemistry major. General chemistry gives you the basics for more specialized chemistry courses you will be taking during your sophomore, junior and senior year. At this point you still have many options of changing majors if it turns out that chemistry just isn't your thing.

Attend resume workshop! Check out company or organization websites to find out more about what chemists do.

Attend career fair and explore internship opportunities and research experience for undergraduates (REU) programs! Take note of application deadlines and documentation needed to apply. You will be ready to apply while taking courses in phase 3, but now is a good time to start gathering information and start maintaining a resume.

Visit a campus or at least their websites. Could you see yourself on that campus? Prepare an initial list of transfer schools. Some popular choices for EvCC students have been UW, WSU, Western U, and Seattle U—different institutions have different language requirements—make initial inquiries on what they are.

Phase 3

Depending on your future plans and personal preference, you will either choose the biology or physics series. Check with your program advisor to discuss what is the best fit for you. Physics is a good choice if you are interested in careers in chemistry, engineering or material science. Biology is a good choice if you are interested in chemistry, biochemistry or pharmaceutical fields. For bioengineering and medical related fields both biology and physics are required.

You are getting your first taste of one of the specific disciplines of chemistry by taking Organic Chemistry. Other disciplines you will encounter after transferring to a 4-year school will be: analytical chemistry, inorganic chemistry, and physical chemistry.

Choose 2 or 3 schools to transfer to and start applying.

Are you on track to graduation? Don't forget to apply for graduation!

Get Involved!

There are many clubs and activities at EvCC. Here are some that are specifically interesting for a STEM major.

Clubs:

STEM Club, MESA-IN-YO-FESA, Pre-med, SWE (Society of Women Engineers), SHPE (Society of Hispanic Professional Engineers), MESSA (Math, Engineering & Science Student Association), Society of Physics Students

Activities:

Internship workshops, Resume workshops, Video Game Nights, quarterly STEM Pizza Parties,

