SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM) CAREER CLUSTER DESIGN

BioChemistry Pathway – CIP Code 14.1401

Approved Pathway:

1) Includes minimum of three secondary-level credits.
2) Includes a work-based element.
3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

INTRODUCTORY LEVEL

Environmental Science	03003	1 credit
Computing Systems (8-9)	10002	1 credit
Computer Appl. (8-9)	10004	1 credit
Engineering Applications	21002	1 credit
Engineering Technology	21003	1 credit

TECHNICAL LEVEL

Wildlife Management		18501	1 credit	Biotechnology in Agriculture		18308	1 credit
Marine Science	✔	03005	1 credit	AP Environmental Science	✔	03207	1 credit
IB Environmental Systems	✔	03208	1 credit	Applied BioChemistry		03203	1 credit
✪Human Body Systems	✔ 14102/	✔ 03053	1 credit	Pharmacology	✔	14253	1 credit
Environmental Law		04170	1 credit	Soil Science		18055	1 credit

APPLICATION LEVEL

Emerging Technologies	21053	1 credit	✪Biotechnical Engineering	21014	1 credit
Project Mgmt&Res. Sched.	21205	1 credit	Rsch. In Envir. Science & Eng	21016	1 credit
Natural Resources Mgmt.	18504	1 credit	Envir. Resources & Wildlife	18506	1 credit

✪Course appropriate for Project Lead the Way Programs; competencies may be utilized by any/all schools.

✔ Course is eligible for Regents Qualified Admissions – Natural Science

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.