

Fourth Science Options

The following courses count towards satisfying the fourth science requirement and a CTAE pathway completion requirement and **have been approved** by the Board of Regents as a fourth science.

Course Number	Course Name	CTAE Pathway
01.46100	General Horticulture and Plant Science	Plant Science/Horticulture
02.42100	Animal Science Technology/Biotechnology	Agriscience
02.42200	Equine Science	Other GPS Agriculture Courses (9-12)
02.44100	Plant Science and Biotechnology	Agriscience
20.41710	Food & Nutrition Through the Lifespan	Nutrition & Food Science
20.41810	Food Science	Nutrition & Food Science
21.45100	Energy and Power Technology	Energy Systems
21.45700	Appropriate and Alternative Energy Technologies	Energy Systems
25.56800	Introduction to Biotechnology	Biotechnology Research and Development

Fourth Science Options

The following courses count towards satisfying the fourth science requirement and a CTAE pathway completion requirement but **are not** recognized as a fourth science by Board of Regents.

Course Number	Course Name	CTAE Pathway
02.42400	Veterinary Science	Veterinary Science
02.47500	Biotechnology	Other GPS Agriculture Courses (9-12)
03.41100	Natural Resources Management	Other GPS Agriculture Courses (9-12)
03.45100	Forest Science	Forestry/Natural Resources
03.45300	Wildlife Management	
21.45200	Foundations of Electronics	Electronics
21.45300	Advanced AC and DC Circuits	Electronics
21.45400	Digital Electronics	Electronics
21.47200	Engineering Applications	Engineering
25.52100	Introduction to Healthcare Science	Diagnostic Services
25.56400	Application of Therapeutic Services	Therapeutic Services-Medical Services
25.56200	Concept of Emergency Medicine	Therapeutic Services-Emergency Services
25.58000	Principles of Physical Medicine	Physical Medicine
25.58100	Concepts of Physical Medicine	Physical Medicine
25.58200	Rehabilitation in Physical Medicine	Physical Medicine
47.46600	Aviation Meteorology	Flight Operations

Fourth Science Options

The following courses count towards satisfying the fourth science requirement.

26.01300	Biology II	40.05100	Chemistry I
26.01400	Advanced Placement Biology	40.05200	Chemistry II
26.01500	Genetics	40.05300	Advance Placement Chemistry
26.01800	International Baccalaureate Biology SL	40.05500	International Baccalaureate Chemistry SL
26.01900	International Baccalaureate Biology HL	40.05600	International Baccalaureate Chemistry HL
26.03100	Botany	40.06300	Geology
26.05100	Microbiology	40.06400	Earth Systems
26.06100	Ecology	40.07100	Oceanography
26.06110	Environmental Science	40.08100	Physics I
26.06200	Advance Placement Environmental Science	40.08200	Physics II
26.06400	Advance Genetics/DNA Research	40.08300	Advanced Placement Physics B
26.07100	Zoology	40.08410	Advanced Placement Physics C: Mechanics
26.07200	Entomology	40.08420	Advanced Placement Physics C: Electricity and Magnetism
26.07300	Human Anatomy and Physiology	40.08500	International Baccalaureate Physics SL
26.06500	Epidemiology	40.08600	International Baccalaureate Physics HL
40.02100	Astronomy	40.08900	Advanced Physics Principles/Robotics
40.04100	Meteorology	40.09100	Advanced Scientific Internship
40.09210 *	Scientific Research I	40.09300	Forensic Science
40.09220 *	Scientific Research II	40.09400	Chemical & Material Science Engineering
40.09230	Scientific Research III	40.09500	International Baccalaureate Design Technology SL
40.09240	Scientific Research IV	40.09600	International Baccalaureate Design Technology HL
		11.01600	Advanced Placement Computer Science A