

PLO Assessment Cycle	Unit Name (Division/Program)	PLO Title	PLO Statement
2020-21 (Fall 2020)	El Camino: PLOs (NSC) - Astronomy	PLO #2 Applications	Students will be able to identify and appreciate ways in which astronomy affects their daily lives.
2020-21 (Fall 2020)	El Camino: PLOs (NSC) - Astronomy	PLO #4 Physical Laws	Students will explain how the application of the laws of physics reveals the properties of stars, planets, and galaxies.
2020-21 (Fall 2020)	El Camino: PLOs (NSC) - Chemistry	PLO #1 Equation Writing	Students will be able to express chemical reaction word problems in the correct format.
2020-21 (Fall 2020)	El Camino: PLOs (NSC) - Earth Sciences (Geography, Geology,	PLO #1 Basic Knowledge	Students can identify the salient features of the basic concepts of earth science and geography. This
2019-20 (Spring 2020)	El Camino: PLOs (NSC) - Life Science: Allied Health (Anatomy, Physiology,	PLO #1 Health Science Language	Students will be able to use language appropriate to the health sciences.
2019-20 (Spring 2020)	El Camino: PLOs (NSC) - Physics	PLO #3 Data Collection & Analysis	Upon completion of their course of study in the Physics Department, students will be able to use appropriate instruments in order to collect data. Students will be able to interpret and analyze that data, including error analysis.
2019-20 (Fall 2019)	El Camino: PLOs (NSC) - Chemistry	PLO #2 Structural Representations of Compounds	Students will be able to represent the structures of compounds based on chemical bonding theory.
2019-20 (Fall 2019)	El Camino: PLOs (NSC) - Earth Sciences (Geography, Geology, Oceanography)	PLO #2 Relationship with Environment	Students recognize and can accurately articulate how their environment (including the Earth, the atmosphere, ocean, and biosphere) affects humans' lives and how human activities affect their
2018-19 (Spring 2019)	El Camino: PLOs (NSC) - Astronomy	PLO #3 Origins	Students will be able to describe the structure and contents of the Universe and major events in the history of the Universe that led to the formation of the Earth.
2018-19 (Spring 2019)	El Camino: PLOs (NSC) - Physics	PLO #2 Solving Physics Problems	Upon completion of their course of study in the Physics Department, students will be able to identify and apply the laws of physics along with the necessary mathematics to successfully solve a physics problem.
2018-19 (Fall 2018)	El Camino: PLOs (NSC) - Astronomy	PLO #1 Scientific Method	Students can explain how the Scientific Method is used to develop scientific theories.
2018-19 (Fall 2018)	El Camino: PLOs (NSC) - Biology	PLO #1 Scientific Method	The student will understand and apply principles of the scientific method; recognizing an idea based on reproducible evidence.
2018-19 (Fall 2018)	El Camino: PLOs (NSC) - Biology	PLO #2 Tools	The student will master the use of appropriate biological tools and evaluate evidence gathered to
2018-19 (Fall 2018)	El Camino: PLOs (NSC) - Biology	PLO #3 Content Knowledge	Students will have a working knowledge of biological principles and a mastery of a broad set of factual biological knowledge concerning ecology, evolution and cells.
2018-19 (Fall 2018)	El Camino: PLOs (NSC) - Chemistry	PLO #3 Lab Safety	Students will take the necessary precautions to ensure proper laboratory safety.
2018-19 (Fall 2018)	El Camino: PLOs (NSC) - Earth Sciences (Geography, Geology,	PLO #3 Scientific Method	Students can identify the key elements of the scientific method (hypotheses, tests, observations,
2018-19 (Fall 2018)	El Camino: PLOs (NSC) - Physics	PLO #1 Applying Relevant Principles	Upon completion of their course of study in the Physics Department, students will be able to understand physical principles in order to correctly answer conceptual questions.
2017-18 (Spring 2018)	El Camino: PLOs (NSC) - Environmental Horticulture	PLO #1 Planning with Given Materials	Upon completion of their study of course materials for the Environmental Horticulture Program, the successful student will be able to accurately identify a set of plant material; use that plant material in
2017-18 (Spring 2018)	El Camino: PLOs (NSC) - Life Science: Allied Health (Anatomy, Physiology, Microbiology)	PLO #3 Application of Health Science Concepts	Students will be able to apply concepts learned to healthy and pathological outcomes.
2017-18 (Fall 2017)	El Camino: PLOs (NSC) - Biology	PLO #3 Content Knowledge	Students will have a working knowledge of biological principles and a mastery of a broad set of factual biological knowledge concerning ecology, evolution and cells.
2017-18 (Fall 2017)	El Camino: PLOs (NSC) - Environmental Horticulture	PLO #2 Selection based on Criteria	Upon completion of their study of course materials for the Environmental Horticulture Program, the successful student will be able to select plant materials for a given landscape based on water requirements, soil type, pest and disease resistance, growth habits, and design requirements.
2016-17 (Spring 2017)	El Camino: PLOs (NSC) - Life Science: Allied Health (Anatomy, Physiology, Microbiology)	PLO #2 Use of Scientific Instruments	Students will demonstrate the use of instruments to gather data.
2016-17 (Fall 2016)	El Camino: PLOs (NSC) - Astronomy	PLO #2 Applications	Students will be able to identify and appreciate ways in which astronomy affects their daily lives.
2016-17 (Fall 2016)	El Camino: PLOs (NSC) - Astronomy	PLO #4 Physical Laws	Students will explain how the application of the laws of physics reveals the properties of stars, planets, and galaxies.
2016-17 (Fall 2016)	El Camino: PLOs (NSC) - Biology	PLO #2 Tools	The student will master the use of appropriate biological tools and evaluate evidence gathered to explain biological principles.

2016-17 (Fall 2016)	El Camino: PLOs (NSC) - Chemistry	PLO #1 Equation Writing	Students will be able to express chemical reaction word problems in the correct format.
2016-17 (Fall 2016)	El Camino: PLOs (NSC) - Earth Sciences (Geography, Geology,	PLO #1 Basic Knowledge	Students can identify the salient features of the basic concepts of earth science and geography. This
2015-16 (Spring 2016)	El Camino: PLOs (NSC) - Life Science: Allied Health (Anatomy, Physiology, Microbiology)	PLO #1 Health Science Language	Students will be able to use language appropriate to the health sciences.
2015-16 (Spring 2016)	El Camino: PLOs (NSC) - Physics	PLO #3 Data Collection & Analysis	Upon completion of their course of study in the Physics Department, students will be able to use appropriate instruments in order to collect data. Students will be able to interpret and analyze that
2015-16 (Fall 2015)	El Camino: PLOs (NSC) - Earth Sciences (Geography, Geology, Oceanography)	PLO #2 Relationship with Environment	Students recognize and can accurately articulate how their environment (including the Earth, the atmosphere, ocean, and biosphere) affects humans' lives and how human activities affect their
2014-15 (Spring 2015)	El Camino: PLOs (NSC) - Astronomy	PLO #3 Origins	Students will be able to describe the structure and contents of the Universe and major events in the history of the Universe that led to the formation of the Earth.
2014-15 (Spring 2015)	El Camino: PLOs (NSC) - Biology	PLO #1 Scientific Method	The student will understand and apply principles of the scientific method; recognizing an idea based
2014-15 (Spring 2015)	El Camino: PLOs (NSC) - Physics	PLO #2 Solving Physics Problems	Upon completion of their course of study in the Physics Department, students will be able to identify and apply the laws of physics along with the necessary mathematics to successfully solve a physics problem.
2014-15 (Fall 2014)	El Camino: PLOs (NSC) - Astronomy	PLO #1 Scientific Method	Students can explain how the Scientific Method is used to develop scientific theories.
2014-15 (Fall 2014)	El Camino: PLOs (NSC) - Chemistry	PLO #3 Lab Safety	Students will take the necessary precautions to ensure proper laboratory safety.
2014-15 (Fall 2014)	El Camino: PLOs (NSC) - Earth Sciences (Geography, Geology,	PLO #3 Scientific Method	Students can identify the key elements of the scientific method (hypotheses, tests, observations,
2013-14 (Spring 2014)	El Camino: PLOs (NSC) - Life Science: Allied Health (Anatomy, Physiology, Microbiology)	PLO #3 Application of Health Science Concepts	Students will be able to apply concepts learned to healthy and pathological outcomes.
2013-14 (Spring 2014)	El Camino: PLOs (NSC) - Physics	PLO #1 Applying Relevant Principles	Upon completion of their course of study in the Physics Department, students will be able to
2013-14 (Fall 2013)	El Camino: PLOs (NSC) - Chemistry	PLO #2 Structural Representations of Compounds	Students will be able to represent the structures of compounds based on chemical bonding theory.