

Career Major Map: Diagnostic Services

Diagnostic Services employees analyze and record the state of a patient's health at the time of the examination. Employees in Diagnostic Services include all the technicians who conduct procedures that give physicians the information they need to provide effective treatment.

Required Core for Graduation	Sample Core Choices			
	For additional college entrance requirements, refer to the college of your choice.			
	9	10	11	12
English* Four Units Required	English 1	English 2	English 3	English 4
Math* Four Units Required	Algebra 1 or Math for the Technologies 1	Geometry or Math for the Technologies 2	Algebra 2 or Math for the Technologies 3	Pre-Calculus or Math for the Technologies 4
Science* Four Units Required	Physical Science	Biology or Applied Biology	Chemistry or Chemistry for the Technologies	Physics or Physics for the Technologies
Social Studies Three Units Required	Global Studies 1/ World Geography	Global Studies 2/ World History or Social Studies Elective	U.S. History	Economics/Government
Additional State Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) Electives (seven units)		Pass High School Assessment CTE or Foreign Language (one unit) Art (one unit)	

Courses for Major (Minimum of four credits required)	Complementary Course Work	Extended Learning Opportunity Options Related to Major
Emergency Medical Services 1, 2, 3, and 4 Introduction to Health Science Health Science Technology 1, 2 Health Science Work-based credit Gerontology Sports Medicine 1, 2 Sports Medicine Work-based credit Medical Terminology	Anatomy and Physiology Probability and Statistics Physics	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project HOSA membership

Professional Opportunities Upon Graduation		
High School Diploma Phlebotomist	Additional Training to 2-year Degree Cardiovascular Technologist Clinical Lab Technician Histotechnician Radiologic Technologist/Radiographer	4-year Degree & Higher Medical Technologist/ Clinical Laboratory Scientist Nuclear Medicine Technologist Pathologist Exercise Physiologist Geneticist Histotechnologist Diagnostic Medical Sonographer

*Course selection will depend on satisfying prerequisites.

Career Major Map: Therapeutic Services

Therapeutic Services employees work to counter the effects of disease and injury, maintaining or improving patients' health. These workers include physicians, veterinarians, dentists, psychologists, and the various people who assist them in the delivery of care.

Required Core for Graduation	Sample Core Choices			
	For additional college entrance requirements, refer to the college of your choice.			
	9	10	11	12
English* Four Units Required	English 1	English 2	English 3	English 4
Math* Four Units Required	Algebra 1 or Math for the Technologies 1	Geometry or Math for the Technologies 2	Algebra 2 or Math for the Technologies 3	Pre-Calculus or Math for the Technologies 4
Science* Four Units Required	Physical Science	Biology or Applied Biology	Chemistry or Chemistry for the Technologies	Physics or Physics for the Technologies
Social Studies Three Units Required	Global Studies	Social Studies Elective	U.S. History	Economics/Government
Additional State Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) Electives (seven units)		Pass High School Assessment CTE or Foreign Language (one unit) Art (one unit)	

Courses for Major (Minimum of four credits required)	Complementary Course Work	Extended Learning Opportunity Options Related to Major
Introduction to Health Science Health Science Technology 1, 2 Health Science Work-based credit Gerontology Sports Medicine 1, 2 Sports Medicine Work-based credit Emergency Medical Services 1, 2, 3, and 4 Medical Terminology	Anatomy and Physiology Probability and Statistics Physics Sports Nutrition	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project HOSA membership

Professional Opportunities Upon Graduation		
High School Diploma Certified Nursing Assistant First Responder Emergency Medical Technician Home Health Aide Pharmacy Technician	Additional Training to 2-year Degree Dental Hygienist Paramedic Respiratory Therapist	4-year Degree & Higher Athletic Trainer Registered Nurse Occupational Therapist Physical Therapist Pharmacist Physician Physician Assistant

*Course selection will depend on satisfying prerequisites.

Career Major Map: Health Informatics

Health Informatics workers manage and document healthcare system information to support patient care. These employees often work in hospitals providing the range of information-management services needed to maintain the delivery of healthcare.

Required Core for Graduation	Sample Core Choices			
	For additional college entrance requirements, refer to the college of your choice.			
	9	10	11	12
English* Four Units Required	English 1	English 2	English 3	English 4
Math* Four Units Required	Algebra 1 or Math for the Technologies 1	Geometry or Math for the Technologies 2	Algebra 2 or Math for the Technologies 3	Pre-Calculus or Math for the Technologies 4
Science* Four Units Required	Physical Science	Biology or Applied Biology	Chemistry or Chemistry for the Technologies	Physics or Physics for the Technologies
Social Studies Three Units Required	Global Studies	Social Studies Elective	U.S. History	Economics/Government
Additional State Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) Electives (seven units)		Pass High School Assessment CTE or Foreign Language (one unit) Art (one unit)	

Courses for Major (Minimum of four credits required)	Complementary Course Work	Extended Learning Opportunity Options Related to Major
Introduction to Health Science Health Science Technology 1, 2 Medical Terminology	Anatomy and Physiology Administrative Support Technology	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project HOSA membership

Professional Opportunities Upon Graduation		
High School Diploma Admitting Clerk Unit Coordinator	Additional Training to 2-year Degree Health Information Coder Medical Office Manager Medical Biller	4-year Degree & Higher Public Health Educator Data Analyst Epidemiologist Healthcare Administrator

*Course selection will depend on satisfying prerequisites.

Career Major Map: Biotechnology Research and Development

Biotechnology Research and Development workers pursue advances in science and technology to support and improve the diagnosis and treatment of disease. These employees, often working in laboratories and offices in healing settings, perform scientific procedures that further the delivery of healthcare.

Required Core for Graduation	Sample Core Choices			
	For additional college entrance requirements, refer to the college of your choice.			
	9	10	11	12
English* Four Units Required	English 1	English 2	English 3	English 4
Math* Four Units Required	Algebra 1 or Math for the Technologies 1	Geometry or Math for the Technologies 2	Algebra 2 or Math for the Technologies 3	Pre-Calculus or Math for the Technologies 4
Science* Four Units Required	Physical Science	Biology or Applied Biology	Chemistry or Chemistry for the Technologies	Physics or Physics for the Technologies
Social Studies Three Units Required	Global Studies	Social Studies Elective	U.S. History	Economics/Government
Additional State Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) Electives (seven units)		Pass High School Assessment Foreign Language or CTE (one unit)	

Courses for Major (Minimum of four credits required)	Complementary Course Work	Extended Learning Opportunity Options Related to Major
Introduction to Health Science Health Science Technology 1, 2 Biotechnical Engineering Medical Terminology Principles of Biomedical Sciences Human Body Systems	Anatomy and Physiology Chemistry 2 Biology 2 Probability and Statistics	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project HOSA membership

Professional Opportunities Upon Graduation		
High School Diploma	Additional Training to 2-year Degree Lab Assistant – Genetics Lab Technician Quality Assurance Technician Quality Control Technician	4-year Degree & Higher Biochemist Bioinformatics Scientist Biomedical Chemist Biostatistician Microbiologist Research Scientist Toxicologist

*Course selection will depend on satisfying prerequisites.

Career Major Map: Support Services

Support Services workers create and maintain a healthcare delivery environment that supports diagnosis and therapy. They maintain the healthcare setting in a way that ensures the safe and efficient delivery of care.

Required Core for Graduation	Sample Core Choices			
	For additional college entrance requirements, refer to the college of your choice.			
	9	10	11	12
English* Four Units Required	English 1	English 2	English 3	English 4
Math* Four Units Required	Algebra 1 or Math for the Technologies 1	Geometry or Math for the Technologies 2	Algebra 2 or Math for the Technologies 3	Pre-Calculus or Math for the Technologies 4
Science* Four Units Required	Physical Science	Biology or Applied Biology	Chemistry or Chemistry for the Technologies	Physics or Physics for the Technologies
Social Studies Three Units Required	Global Studies	Social Studies Elective	U.S. History	Economics/Government
Additional State Requirements	Physical Education or JROTC (one unit) Computer Science (one unit) Electives (seven units)		Pass High School Assessment CTE or Foreign Language (one unit) Art (one unit)	

Courses for Major (Minimum of four credits required)	Complementary Course Work	Extended Learning Opportunity Options Related to Major
Introduction to Health Science Health Science Technology 1, 2 Biotechnical Engineering Medical Terminology Principles of Biomedical Sciences Human Body Systems	Anatomy and Physiology Physics	Career Mentoring Shadowing Internship Cooperative Education Career Information Delivery System Exposure Senior Project HOSA membership

Professional Opportunities Upon Graduation		
High School Diploma Food Service Worker Transport Technician Industrial Hygienist	Additional Training to 2-year Degree Biomedical/Clinical Technician Hospital Maintenance Engineer	4-year Degree & Higher Biomedical/Clinical Engineer Facilities Manager

*Course selection will depend on satisfying prerequisites.