

Kansas Board of Regents Precollege Curriculum Courses Approved for University Admissions

Original Publication April 6, 2011

> Revision Dates June 13, 2011 May 23, 2012

<u>Kansas</u> <u>Board of Regents</u> Precollege Curriculum Courses Proposed for University Admissions Adopted April 6, 2011

The precollege curriculum is designed to prepare high school students for university-level work. The list of courses fulfilling the precollege curriculum has been recommended by the Kansas State Department of Education and approved by the chief executive officer of the board of regents or the chief executive officer's designee. Requirements for the precollege curriculum are found in K.A.R. 88-29-11 and 88-29a-11.

	Cour	
	Course Code	
ELECTIVE Course Title	de	Course Description
		Biblical Literature courses have the same aim as general literature courses (to
		improve students' language arts and critical-thinking skills), focusing on the
		books of the Bible. Students may compare techniques, styles, and themes of the
		various books; examine the Bible's influence on secular literature; and may
Diblical Literature	01050	study historical events of Biblical times. Oral discussion is an integral part of
Biblical Literature	01059	these courses, and written compositions are often required.
		These courses have the same aim as general literature courses (to improve
		students' language arts and critical-thinking skills), focusing on a particular author and his or her work. Students determine the underlying assumptions and
		values within the selected works; compare techniques, styles, and themes of
		the author; and reflect upon the time period in which the author lived. Oral
		discussion is an integral part of literature courses, and written compositions are
Literature of an Author	01060	often required.
		These courses have the same aim as general literature courses (to improve
		students' language arts and critical-thinking skills), focusing on one or several
		genres, such as poetry, essay, biography, short story, drama, and so on.
		Students determine the underlying assumptions and values within the selected
		works and also examine the structure, techniques, and intentions of the genre
		being studied. Oral discussion is an integral part of these genre-oriented
Literature of a Genre	01061	courses, and written compositions are often required.
		These courses have the same aim as general literature courses (to improve
		students' language arts and critical-thinking skills), focusing on the literature
		written during or reflecting a particular time period (such as the French
		Revolution, the 1960s, or the 20th century). Students determine the underlying
		assumptions and values within the selected works, reflect upon the influence of
		societal events and social attitudes, and compare the points of view of various
Literature of a Period	01062	authors. Oral discussion is an integral part of literature courses, and written compositions are often required.
Literature of a Periou	01002	These courses have the same aim as general literature courses (to improve
		students' language arts and critical-thinking skills), focusing on a particular
		geographic region. Students determine the underlying assumptions and values
		within the selected works; study how the literature reflects the land, society,
		and history of the region; and may study the influence of this literature on
		others. Oral discussion is an integral part of literature courses, and written
Literature of a Place	01063	compositions are often required.

		These courses have the same aim as general literature courses (to improve
		students' language arts and critical-thinking skills), but use literature written by
		authors who share a particular characteristic such as religion, culture, or gender.
		Students determine the underlying assumptions and values within the selected
		, - ,
		works, reflect upon the influence of a common characteristic, and compare the
Planet and Sa Daniela	04064	points of view of various authors. Oral discussion is an integral part of literature
Literature of a People	01064	courses, and written compositions are often required.
		These courses have the same aim as general literature courses (to improve
		students' language arts and critical-thinking skills), but use selected literature to
		explore a particular theme as expressed from several points of view. Such
		themes might include The American Dream, Society and Self, Exploration, War
Literature of a Theme	01065	and Peace, and the like.
		Courses in Literature—Independent Study, often conducted with instructors as
		mentors, enable students to explore topics of interest related to literature.
		Independent Study courses may serve as an opportunity for students to expand
		their expertise in a particular application, to explore a topic in greater detail, or
Literature—Independent Study	01097	to develop more advanced skills.
		Creative Writing courses offer students the opportunity to develop and improve
		their technique and individual style in poetry, short story, drama, essays, and
		other forms of prose. The emphasis of the courses is on writing; however,
		students may study exemplary representations and authors to obtain a fuller
		appreciation of the form and craft. Although most creative writing classes cover
		several expressive forms, others concentrate exclusively on one particular form
Creative Writing	01104	(such as poetry or playwriting).
		Research/Technical Writing classes prepare students to write research papers
		and/or technical reports. These classes emphasize researching (primary and
		secondary sources), organizing (material, thoughts, and arguments), and writing
Research/Technical Writing	01105	in a persuasive or technical style.
		Composition—Independent study, often conducted with instructors as mentors,
		allow students to explore particular topics within the field of language arts
		(emphasizing composition). Independent Study courses may serve as an
		opportunity for students to expand their expertise in a particular application, to
Composition—Independent Study	01147	explore a topic in greater detail, or to develop more advanced skills.

		Forensic Speech—Inclusive courses offer students the opportunity to learn how
		to use oral skills effectively in formal and informal situations. Students learn
		such skills as logic and reasoning, the organization of thought and supporting
		materials, and effective presentation of one's voice and body. Often linked to an
		extracurricular program, these courses introduce students to numerous public
		speaking situations, and they learn the methods, aims, and styles of a variety of
		events (e.g., formal debate, Lincoln-Douglas debate, expository speaking, radio
		broadcast, oral interpretation, and dramatic interpretation). Participation in
Forensic Speech—Inclusive	01152	competition is encouraged, but not always required.
		Forensic Speech—Debate courses offer students the opportunity to learn how
		to use oral skills in formal and informal situations. In these courses, students are
		able to develop such skills as logic and reasoning, research and analysis,
		organization of thought and supporting materials, argumentative style and skill,
		and effective presentation of one's voice and body. Often linked to an
		extracurricular program, these courses introduce students to the methods,
		aims, and styles used in various kinds of debates (formal debate or Lincoln-
Forensic Speech—Debate	01153	Douglas). Participation in competition is encouraged, but not always required.
		Forensic Speech—Individual Event courses offer students the opportunity to
		learn how to use oral skills in formal and informal situations. Topics included
		depend upon the event(s) being taught, but they usually emphasize effective
		presentation of one's voice and body, thoughtful understanding and
		interpretation of literature, logic and reasoning, and the organization of thought
		and supporting materials. Often linked to an extracurricular program, these
		courses introduce students to one or several individual event categories (e.g.,
		exposition, oral interpretation, dramatic interpretation, and radio broadcast).
Forensic Speech—Individual Event	01154	Participation in competition is encouraged, but not always required.
		Communications courses focus on the application of written and oral
		communication skills through a variety of formal and informal experiences. The
		courses are performance-based and emphasize effective interpersonal and
		team-building skills. Communications courses may also involve the study of how
		interpersonal communications are affected by stereotypes, nonverbal cues,
Communications	01155	vocabulary, and stylistic choices.
		Applied English and Communications courses teach students communication
		skills—reading, writing, listening, speaking—concentrating on "real-world"
		applications. These courses usually emphasize the practical application of
		communication as a business tool—using technical reports and manuals,
		business letters, resumes, and applications as examples—rather than emphasize
Applied English and Communications	01156	language arts skills as applied to scholarly and literary materials.

		1
		English Language and Literature—Independent study courses, often conducted
		with instructors as mentors, allow students to explore particular topics within
		the field of language arts (emphasizing speech). Independent Study courses may
		serve as an opportunity for students to expand their expertise in a particular
		application, to explore a topic in greater detail, or to develop more advanced
Speech—Independent Study	01197	skills.
		English Morphology and Grammar courses involve the study of the English
		language—its roots and derivations, structure and sentence patterns, dialects,
English Morphology and Grammar	01201	writing and spelling systems, and uses as a communication tool.
		History of the English Language courses trace the development of English,
		concentrating on historical and cultural influences and how the language has
		changed over time. Although language roots, structures, and dialects may be
		examined, the emphasis remains on the process of language development
History of the English Language	01202	rather than on morphology.
		English Language and Literature—Independent study courses, often conducted
		with instructors as mentors, allow students to explore particular topics within
		the field of language arts. Independent Study courses may serve as an
		opportunity for students to expand their expertise in a particular application, to
English Language and Literature—Independent Study	01997	explore a topic in greater detail, or to develop more advanced skills.
		Transition Algebra courses review and extend algebra and geometry concepts
		for students who have already taken Algebra I and Geometry. Transition
		Algebra courses include a review of such topics as properties and operations of
		real numbers; evaluation of rational algebraic expressions; solutions and graphs
		of first degree equations and inequalities; translation of word problems into
		equations; operations with and factoring of polynomials; simple quadratics;
		properties of plane and solid figures; rules of congruence and similarity;
		coordinate geometry including lines, segments, and circles in the coordinate
Transition Algebra	02055	plane; and angle measurement in triangles including trigonometric ratios.
Transition Algebra	02033	Principles of Algebra and Geometry courses combine the study of some pre-
		algebra and algebra topics with introductory geometry topics. These courses
		include the study of formulas, algebraic expressions, first degree equations and
		inequalities, the rectangular coordinate system, area, perimeter, and volume of
Principles of Algebra and Goometry	02074	geometric figures, and properties of triangles and circles.
Principles of Algebra and Geometry	02074	
		Technical Math courses extend students' proficiency in mathematics, and often
		apply these skills to technical and/or industrial situations and problems.
		Technical Math topics may include but are not limited to rational numbers,
		systems of measurements, tolerances, numerical languages, geometry, algebra,
To de challed and	02453	statistics, and using tables, graphs, charts, and other data displays. Technology
Technical Math	02153	is integrated as appropriate.

development of mathematics (e.g., Pythagoras, Pascal, Descartes) or imported developments (e.g., pi, decimal fractions, probability theory, calculus) often form the backbone of these classes. Mathematics—Independent Study courses, often conducted with instructors mentors, enable students to explore topics of interest related to mathematic Independent Study courses may serve as an opportunity for students to expanded the explore a topic in greater detail, to develop more advanced skills. Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantances of the possibility of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity of the possibility of the patterns and processes of clim methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity of the patterns and processes or may serve as an opportunity of the patterns and processes of clim in the patterns and processes of clim and the patterns and process			History of Math courses include a study of the historical development of numbers, computation, algebra, and geometry. Figures critical to the
developments (e.g., pi, decimal fractions, probability theory, calculus) often form the backbone of these classes. Mathematics—Independent Study courses, often conducted with instructors mentors, enable students to explore topics of interest related to mathematic Independent Study courses may serve as an opportunity for students to expetite in a particular application, to explore a topic in greater detail, Mathematics—Independent Study O2997 to develop more advanced skills. Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advan methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity of the natural resources.			
History of Math O2991 form the backbone of these classes. Mathematics—Independent Study courses, often conducted with instructors mentors, enable students to explore topics of interest related to mathematic Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, to develop more advanced skills. Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advan methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity of students to explore science courses or may serve as an opportunity of students to explore scientific topics of interest, using advan methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity of explorer scientific topics of interest related to mathematic independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advan methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity of explorer scientific topics of interest related to mathematic independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest related to mathematic independent Study courses, often conducted with instructors mentors.			
Mathematics—Independent Study courses, often conducted with instructors mentors, enable students to explore topics of interest related to mathematic Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, to develop more advanced skills. Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advan methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an approximation.	v of Math	02991	
mentors, enable students to explore topics of interest related to mathematic Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, to develop more advanced skills. Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantable offered in conjunction with other rigorous science courses or may serve as an opportunity for students to explore topics of interest, using advantable topics of interest, using advantable offered in conjunction with other rigorous science courses or may serve as an opportunity for students to explore topics of interest, using advantable topics of interest, using advantable offered in conjunction with other rigorous science courses or may serve as an opportunity for students to explore topics of interest, using advantable topics of interest of the province of the physical environment places on human development. These courses are advanced to a province of the physical environment places on human development. These courses are advanced topics of the physical environment places on human development.	,		
Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, to develop more advanced skills. Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantage methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity for students to explore a an opportunity for students to explore a an opportunity for students to explore a topic in greater detail, to expl			mentors, enable students to explore topics of interest related to mathematics.
Mathematics—Independent Study O2997 to develop more advanced skills. Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantation methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an			Independent Study courses may serve as an opportunity for students to expand
Physical Geography courses equip students with an understanding of the constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantables of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an			their expertise in a particular application, to explore a topic in greater detail, or
constraints and possibilities that the physical environment places on human development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantations of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an	ematics—Independent Study	02997	to develop more advanced skills.
development. These courses include discussion of the physical landscape through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantage methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an			Physical Geography courses equip students with an understanding of the
through geomorphology and topography, the patterns and processes of clim and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantage methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an			constraints and possibilities that the physical environment places on human
Physical Geography O3007 and weather, and natural resources. Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantage methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an			development. These courses include discussion of the physical landscape
Earth Science—Independent Study courses, often conducted with instructors mentors, enable students to explore scientific topics of interest, using advantage methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as a			through geomorphology and topography, the patterns and processes of climate
mentors, enable students to explore scientific topics of interest, using advan- methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as a	al Geography	03007	
methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as a			
offered in conjunction with other rigorous science courses or may serve as a			· · · · · · · · · · · · · · · · · · ·
			· · · · · · · · · · · · · · · · · · ·
Farth Science—Independent Study 102017 Opportunity to explore a tenic of checial interest			· · · · · · · · · · · · · · · · · · ·
	Science—Independent Study	03047	opportunity to explore a topic of special interest.
These courses provide students with a basic understanding of living things.			· · · · · · · · · · · · · · · · · · ·
Topics covered may include ecology and environmental problems such as			· · · · · · · · · · · · · · · · · · ·
	at at Distance	02062	overpopulation and pollution as well as cells, types of organisms, evolutionary
Conceptual Biology 03062 behavior, and inheritance.	ptual Biology	03062	
, , , , , , , , , , , , , , , , , , ,			Particular Topics in Biology courses concentrate on a particular subtopic within
the field of biology (such as botany, zoology, genetics, and so on) that is not	ulas Tanica in Dialagu	02062	
Particular Topics in Biology 03063 otherwise described within this classification system.	Jiar Topics in Biology	03063	
Biology—Independent Study courses, often conducted with instructors as			
			mentors, enable students to explore scientific topics of interest, using advanced
methods of scientific inquiry and experimentation. These courses may be			offered in conjunction with other rigorous science courses or may serve as an
Biology—Independent Study One red in Conjunction with other rigorous science courses of may serve as an opportunity for students to explore a topic of special interest.	v—Independent Study	02007	
	y macpendent study	03097	Conceptual Chemistry courses are practical, nonquantitative chemistry courses
			designed for students who desire an understanding of chemical concepts and
Conceptual Chemistry 03105 applications.	ntual Chemistry	03105	· ·
Particular Topics in Chemistry courses concentrate on a particular subtopic		00100	• • •
			within the field of chemistry (such as chromatography and spectrometry) that is
Particular Topics in Chemistry 03108 not otherwise described in this classification system.		02100	• • • • • • • • • • • • • • • • • • • •

		Chemistry—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced
		methods of scientific inquiry and experimentation. These courses may be
		offered in conjunction with other rigorous science courses or may serve as an
Chemistry—Independent Study	03147	opportunity to explore a topic of special interest.
		Conceptual Physics courses introduce students to the use of chemicals,
		characteristic properties of materials, and simple mechanics to better describe
		the world and nonliving matter. The courses emphasize precise measurements and descriptive analysis of experimental results. Topics covered may include
		energy and motion, electricity, magnetism, heat, the structure of matter, and
Conceptual Physics	03161	how matter reacts to materials and forces.
		Particular Topics in Physics courses concentrate on a particular subtopic within
		the field of physics (such as optics, thermodynamics, quantum physics, and so
Particular Topics in Physics	03162	on) that is not otherwise described in this classification system.
		Physics—Independent Study courses, often conducted with instructors as
		mentors, enable students to explore scientific topics of interest, using advanced
		methods of scientific inquiry and experimentation. These courses may be
Physics—Independent Study	03197	offered in conjunction with other rigorous science courses or may provide students with an opportunity to explore a topic of special interest.
rilysics—independent study	03137	Unified Science courses combine more than one branch of science into a
		cohesive study or may integrate science with another discipline. General
		scientific concepts are explored, as are the principles underlying the scientific
Unified Science	03202	method and experimentation techniques.
		Applied Biology/Chemistry courses integrate biology and chemistry into a
		unified domain of study and present the resulting body of knowledge in the
		context of work, home, society, and the environment, emphasizing field and
		laboratory activities. Topics include natural resources, water, air and other
		gases, nutrition, disease and wellness, plant growth and reproduction, life processes, microorganisms, synthetic materials, waste and waste management,
Applied Biology/Chemistry	03203	and the community of life.
7.ppineu Biology, ellermoti y	03203	Technological Inquiry courses provide students with an understanding of the
		use of process skills as an integral part of scientific activity and technological
		development. Students learn how scientific phenomena are explained,
Technological Inquiry	03204	measured, predicted, organized, and communicated.
		Origins of Science courses explore the body of scientific knowledge and
		discoveries from an historical perspective, wherein students gain an
		understanding of how one discovery led to others or to entire revolutions of
Origina of Spinner	02205	thought. In these courses, original experiments may be replicated, and students
Origins of Science	03205	may study primary materials.

Science, Technology, and Society courses encourage students to explore and understand the ways in which science and technology shape culture, values, and institutions and how such factors, in turn, shape science and technology. Topics covered may include how science and technology chape culture, values, and institutions and how such factors, in turn, shape science and technology. Topics covered may include how science and technology enter society and how they change as a result of social processes. Technical Science courses introduce students to scientific tools and methods and provide an introduction to chemistry and physics. Topics covered typically include measurement conversion, model creation, use of scientific methods, interpretation of atoms, identification of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the study of various physical phenomena and forms of energy. Technical Science O3211 Stiences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of score and entertod so scope scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses are provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interests, or to develop more advanced skills. These courses examine a particular topic in U.S. History		1	
institutions and how such factors, in turn, shape science and technology. Topics covered may include how science and technology enter society and how they change as a result of social processes. Technical Science courses introduce students to scientific tools and methods and provide an introduction to chemistry and physics. Topics covered typically include measurement conversion, model creation, use of scientific methods, interpretation of atoms, identification of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the study of various physical plenomena and forms of energy. Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may abe offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within peography. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with in			
covered may include how science and technology enter society and how they change as a result of social processes. Technical Science courses introduce students to scientific tools and methods and provide an introduction to chemistry and physics. Topics covered typically include measurement convents, model creation, use of scientific methods, interpretation of atoms, identification of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the study of various physical phenomena and forms of energy. Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within topy. Independent Study courses, often conducted with instructors as			,
Science, Technology and Society			·
Technical Science courses introduce students to scientific tools and methods and provide an introduction to chemistry and physics. Topics covered typically include measurement conversion, model creation, use of scientific methods, interpretation of atoms, identification of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the study of various physical phenomena and forms of energy. Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses any provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular period or area, to explore a topic of special interest, or to develop more advanced skills. U.S. History—Independent Study courses, often conducted with instructors as m		00040	
and provide an introduction to chemistry and physics. Topics covered typically include measurement conversion, model creation, use of scientific methods, interpretation of a toms, identification of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the study of various physical phenomena and forms of energy. Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their experties in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history, Independent Study courses may provide students with an opportunity to expand their expertise in a particular provide or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, or particular U.S. Pistory of the United States, or they may focus on the history of particular U.S. Pistory, independent Study courses may provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topic an overview of the subject. U.S. History—Independent Study courses, or the conducted with instructors as m	Science, Technology and Society	03210	-
include measurement conversion, model creation, use of scientific methods, interpretation of atoms, identification of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the study of various physical phenomena and forms of energy. Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses, often conducted with instructors as mentors, enable students of explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular period or area, to explore a topic of special interests, or to develop more advanced skills. These courses examine a particular period or area, to explore a topic of special interests, or to develop more advanced skills. These courses examine a particular period or area, to explore a topic of particular U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History, Independent Study courses may provide a topic a			
interpretation of atoms, identification of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the volume of the properties of common compounds, analysis of chemical equations, the impact of force on linear motion, and the volume of the properties of press. Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses may provide students with an opportunity to expand their expertise in a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular topic in U.S. History. Independent Study courses examine a particular topic in U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of expendent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in gre			, , , , , , , , , , , , , , , , , , , ,
analysis of chemical equations, the impact of force on linear motion, and the study of various physical phenomena and forms of energy. Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Life and Physical Sciences—Independent Study O3997 Life and Physical Sciences—Independent Study O3997 Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular topic in users within U.S. History. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provid			· · · · · · · · · · · · · · · · · · ·
Technical Science			· · · · · · · · · · · · · · · · · · ·
Life and Physical Sciences—Independent Study courses, often conducted with instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore a topic of special interest. Geography—Independent Study courses may provide students with an opportunity to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within u.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within u.S. History. Independent Study courses may provide students with an opportunity to explore topics of interest within u.S.			
instructors as mentors, enable students to explore scientific topics of interest, using advanced methods of scientific inquiry and experimentation. These courses may be offered in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular period or area, to explore a topic in greater detail, or to develop more advanced skills.	Technical Science	03211	
Life and Physical Sciences—Independent Study 03997 Differed in conjunction with other rigorous science courses or may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concurrent on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			
Life and Physical Sciences—Independent Study O3997 may serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			·
Life and Physical Sciences—Independent Study May serve as an opportunity to explore a topic of special interest. Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses, often conducted with instructors as mentors, enable students or explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			, , ,
Geography—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide an overview of the subject. U.S. History—Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			,
mentors, enable students to explore topics of interest within geography. Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular Topics in U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in U.S. History—Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,	Life and Physical Sciences—Independent Study	03997	
Independent Study courses may provide students with an opportunity to expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			
expand their expertise in a particular specialization, to explore a topic of special interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in U.S. History—Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in U.S. History—Independent Study courses may provide students with an opportunity to expand their expertise in a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			, , ,
Geography—Independent Study O4047 interest, or to develop more advanced skills. World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			, , , , , , , , , , , , , , , , , , , ,
World History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular Topics in U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			
mentors, enable students to explore topics of interest within world history. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular Topics in U.S. History U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History of particular U.S. regions rather than provide a students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,	Geography—Independent Study	04047	·
Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			World History—Independent Study courses, often conducted with instructors as
world History—Independent Study expand their expertise in a particular period or area, to explore a topic of special interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in U.S. History—Independent Study U.S. History—Independent Study O4147 greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			mentors, enable students to explore topics of interest within world history.
World History—Independent Study O4097 interest, or to develop more advanced skills. These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			Independent Study courses may provide students with an opportunity to
These courses examine a particular topic in U.S. History, such as particular time periods in the history of the United States, or they may focus on the history of particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			expand their expertise in a particular period or area, to explore a topic of special
periods in the history of the United States, or they may focus on the history of particular Topics in U.S. History U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,	World History—Independent Study	04097	interest, or to develop more advanced skills.
Particular Topics in U.S. History O4109 particular U.S. regions rather than provide an overview of the subject. U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			These courses examine a particular topic in U.S. History, such as particular time
U.S. History—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			periods in the history of the United States, or they may focus on the history of
mentors, enable students to explore topics of interest within U.S. History. Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in U.S. History—Independent Study O4147 greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,	Particular Topics in U.S. History	04109	particular U.S. regions rather than provide an overview of the subject.
Independent Study courses may provide students with an opportunity to expand their expertise in a particular period or area, to explore a topic in greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			U.S. History—Independent Study courses, often conducted with instructors as
expand their expertise in a particular period or area, to explore a topic in U.S. History—Independent Study O4147 greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			mentors, enable students to explore topics of interest within U.S. History.
U.S. History—Independent Study O4147 greater detail, or to develop more advanced skills. These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			Independent Study courses may provide students with an opportunity to
These courses examine a particular topic pertaining to U.S. government and political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			expand their expertise in a particular period or area, to explore a topic in
political institutions rather than provide a general overview of the subject. They may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,	U.S. History—Independent Study	04147	greater detail, or to develop more advanced skills.
may concentrate on one of many topics related to governmental structure, function, and purposes, such as the Constitution, the Supreme Court, Congress,			These courses examine a particular topic pertaining to U.S. government and
function, and purposes, such as the Constitution, the Supreme Court, Congress,			political institutions rather than provide a general overview of the subject. They
			may concentrate on one of many topics related to governmental structure,
Particular Topics in U.S. Government 04152 or the Office of the President.			function, and purposes, such as the Constitution, the Supreme Court, Congress,
	Particular Topics in U.S. Government	04152	or the Office of the President.

		Consumer Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting
		students as consumers and young adults (such as contractual laws, laws
Consumer Law	04163	pertaining to housing and marriage, and constitutional rights).
Consumer Euro	0 1103	Business Law courses present a history and philosophy of law and the legal
		system in the United States, with a particular emphasis on those topics affecting
		students as future business leaders and employees. Such topics may include
		contracts, commercial paper and debt instruments, property rights,
Business Law	04164	employer/employee relationships, and constitutional rights and responsibilities.
		These courses examine a particular topic in law such as the Constitution,
Particular Topics in Law	04166	specific statutes, or the legal process rather than provide an overview.
·		Environmental Law courses present a history and philosophy of law and the
		legal system in the United States, with a particular emphasis on those topics
		affecting environmental issues, chemical usage, management, clean-up,
		disposal, and the exposure and legal responsibilities of workers engaged in
		associated occupations. Such topics may include contracts, property rights,
		employer/employee relationships, liability, and constitutional rights and
		responsibilities with particular attention paid to conversation and
Environmental Law	04170	environmental issues.
		Government, Politics, and Law—Independent Study courses, often conducted
		with instructors as mentors, enable students to explore topics of interest within
		one of the fields of Government, Politics, and Law. These courses may provide
		students with an opportunity to expand their expertise in a particular
		specialization, to explore a topic of special interest, or to develop more
Government, Politics and Law—Independent Study	04197	advanced skills.
		These courses examine a particular topic in Economics rather than provide a
		general overview of the field. Course topics may include international
Deuticula a Tanica in Face amica	04207	economics, economic development and growth of a particular country or
Particular Topics in Economics	04207	region, or resource allocation.
		Economics—Independent Study courses, often conducted with instructors as
		mentors, enable students to explore topics of interest within the field of economics. Independent Study courses may provide students with an
		opportunity to expand their expertise in a particular specialization, to explore a
Economics—Independent Study	04247	topic of special interest, or to develop more advanced skills.
Economics—macpenaent stady	04247	topic of special interest, of to develop more advanced skills.

		IB Organization Studies courses prepare students to take the International
		Baccalaureate Organization Studies exams at either the Subsidiary or Higher
		levels. These IB courses provide a broad introduction to the principles and
		practices of enterprises engaged in producing, distributing, and exchanging
		goods and services in a variety of economic frameworks. A sample of topics
		explored within these courses include management styles and structures;
		decision-making methods; and methods for accounting, planning, and
IB Organization Studies	04262	communication.
		Social Science—Independent Study courses, often conducted with instructors as
		mentors, enable students to explore topics of interest within the field of social
		sciences. Independent Study courses may provide students with an opportunity
		to expand their expertise in a particular specialization, to explore a topic of
Social Sciences—Independent Study	04297	special interest, or to develop more advanced skills.
		Obligatory for every International Baccalaureate degree candidate, IB Theory of
		Knowledge courses aim to stimulate critical self-reflection of students'
		knowledge and experiences. Course content generates questions regarding the
		bases of knowledge and their verification in the disciplines of mathematics,
		natural sciences, human sciences, and history, with an awareness of moral,
		political, and aesthetic judgments and biases. Students learn to appreciate the
		strengths and limitations of various kinds of knowledge; to relate studied
		subjects to one another, general knowledge, and living experiences; to
		formulate rational arguments; and to evaluate the role of language in
IB Theory of Knowledge	04304	knowledge and as a way to convey knowledge.
		Social Studies courses enable students to study a group of related subjects
		addressing the elements and structures of human society that may include
		economics, geography, history, citizenship, and other social studies-related
Social Studies	04305	disciplines.
		Humanities—Independent Study courses, often conducted with instructors as
		mentors, enable students to explore topics of interest within the field of
		humanities. Independent Study courses may provide students with an
		opportunity to expand their expertise in a particular specialization, to explore a
Humanities—Independent Study	04347	topic of special interest, or to develop more advanced skills.
		Social Sciences and History—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics of interest within one
		of the fields of social studies. These courses provide students with an
		opportunity to expand their expertise in a particular specialization, to explore a
Social Sciences and History—Independent Study	04997	topic of special interest, or to develop more advanced skills.
Journ Joiences and History—independent Study	04997	topic of special filterest, of to develop filter duvalited skills.

		Dance Technique courses provide students with experience in one or several dance forms (i.e., modern, jazz, ballet, and tap). Initial classes are usually introductors in pattern while the more advanced classes consentrate on
		introductory in nature, while the more advanced classes concentrate on improving students' technique and may offer or require experience in
Dance Technique	05001	choreography and dance evaluation.
Dance reaningue	03001	Dance Repertory courses provide the opportunity for students with prior dance
		experience to develop dance techniques in small groups; these classes require
Dance Repertory	05002	auditions and emphasize performance.
		Expressive Movement courses help develop students' ability to move
		expressively, without an emphasis on particular dance forms or on developing
Expressive Movement	05003	specific dance techniques.
		Dance Appreciation courses expand students' knowledge of dance as an art
		form and help develop students' ability to evaluate dance performances.
		Learning the history of one or several dance forms may also be included as a
Dance Appreciation	05004	course objective.
		Choreography courses teach students how to arrange and direct dancers'
		movements. Course content includes application of the elements and principles
		of dance, study of historical and contemporary dance from a worldwide
		perspective, and instruction in critique. Course objectives include developing an
Characanana	05005	appreciation of dance as a communicative art form and self-expression.
Choreography	05005	Students sometimes gain performance experience.
		Dance—Independent Study courses, often conducted with instructors or professional dancers/choreographers as mentors, enable students to explore a
		particular dance form. Independent Study courses may serve as an opportunity
		for students to expand their expertise in a particular form or style, to explore a
Dance—Independent Study	05047	topic in greater detail, or to develop more advanced skills.
Daniel macpendent stady	03017	Introduction to the Theater courses provide an overview of the art,
		conventions, and history of the theater. Although the courses sometimes
		include experiential exercises, they emphasize learning about the theater rather
		than performance. Students learn about one or more of the following topics:
		basic techniques in acting, major developments in dramatic literature, major
		playwrights, the formation of theater as a cultural tradition, and critical
Introduction to the Theater	05051	appreciation of the art.
		Theatre arts courses focus on the study and performance of drama including
		musical theatre. These courses review a wide range of scripted materials, such
		as plays, screen plays, teleplays, readers' theatre scripts, dramatic criticism,
		creation of original dramatic works, and the role of dramatic arts in society. In
Theatre Arts	05052	addition, students will work collaboratively on performances.

		Drama—Comprehensive courses are intended to help develop students'
		experience and skill in one or more aspects of theatrical production. Initial
		courses are usually introductory in nature, providing an overview of the
		features of drama such as acting, set design, stage management, and so on. The
		more advanced courses concentrate on improving technique, expanding
		students' exposure to different types of theatrical techniques and traditions,
		and increasing their chances of participating in public productions. These
Drama—Comprehensive	05053	courses may also provide a discussion of career opportunities in the theater.
Drama Comprehensive	03033	Exploration in Drama courses are designed to enhance students' understanding
		,
		of life through the study and performance of dramatic works. They emphasize
Full office to Burne	05054	developing students' ability to express themselves and establish personal
Exploration in Drama	05054	criteria for the critical evaluation of drama activities.
		Drama—Acting/Performance courses are intended to promote students'
		experience and skill development in one or more aspects of theatrical
		production, but they concentrate on acting and performance skills. Initial
		courses are usually introductory in nature, while the more advanced courses
		focus on improving technique, expanding students' exposure to different types
		of theatrical techniques and traditions, and increasing their chances of
Drama—Acting/Performance	05055	participating in public productions.
		Drama—Stagecraft courses are intended to help students develop experience
		and skill in one or more aspects of theatrical production, but concentrate on
		stagecraft (such as lighting, costuming, set construction, makeup, stage
		management, and so on). Initial courses are usually introductory in nature,
		while more advanced courses concentrate on improving technique, expanding
		students' exposure to different types of theatrical techniques and traditions and
		increasing their chances of participating in public productions. These courses
Drama—Stagecraft	05056	may also provide a discussion of career opportunities in the theater.
		Directing courses are intended to improve students' skills in translating a script
		into a final production and are usually taken after other drama courses.
		Directing courses enable each student to create an artistic vision and develop a
		personal aesthetic, by expanding the student's exposure to different types of
		theatrical techniques and traditions and providing opportunities to direct the
Directing	05057	performances of others (either in scenes or in a full production).
-		Playwriting courses are intended to improve students' skills in creating a script
		suitable for live production and are usually taken after other drama courses.
		Playwriting courses enable students to develop a personal voice, style, and
		aesthetic by expanding their exposure to various playwrights and different types
		of theatrical techniques and traditions. Students are expected to write original
Playwriting	05058	scenes, one-act plays, or full productions.
	03030	seemes, one det prayer or rain productions.

	1	History and Drawton of the Therenes are a decided to the decided
		History and Literature of the Theater courses explore in depth the structure,
		elements, and style of dramatic compositions, and, as an extension, how the
		dramatic literature influenced theatrical production and acting styles
		throughout history. Some courses may focus more on the literature component
		than on the theater (with increased emphasis on critique and analysis), but
		most courses connect these subjects, exploring their interrelationships. Major
		contributors (playwrights, directors, and so on) and the architecture of the
History and Literature of the Theater	05059	theater may also be included as topics of study.
		Drama—Independent Study courses, often conducted with instructors or artists
		as mentors, enable students to explore a particular theatrical form.
		Independent Study courses may serve as an opportunity for students to expand
		their expertise in a particular form or style, to explore a topic in greater detail,
Drama—Independent Study	05097	or to develop more advanced skills.
		General Band courses develop students' technique for playing brass, woodwind,
		and percussion instruments and cover a variety of nonspecified band literature
General Band	05101	styles (concert, marching, orchestral, and modern styles).
		Courses in Concert Band are designed to promote students' technique for
		playing brass, woodwind, and percussion instruments and cover a variety of
Concert Band	05102	band literature styles, primarily for concert performances.
		Courses in Marching Band are intended to develop students' technique for
		playing brass, woodwind, and percussion instruments and cover appropriate
Marching Band	05103	band literature styles, primarily for marching performances.
		Orchestra courses are designed to develop students' abilities to play brass,
		woodwind, percussion, and string instruments, covering a variety of string and
Orchestra	05104	orchestral literature styles.
	0020.	Contemporary Band courses help students develop their techniques for playing
		brass, woodwind, percussion, and string instruments, as well as guitars and
		keyboards, focusing primarily on contemporary stage band literature styles,
Contemporary Band	05105	such as traditional jazz, jazz improvisation, and rock.
		Instrumental Ensemble courses are intended to develop students' technique for
		playing brass, woodwind, percussion, and/or string instruments in small
		ensemble groups. Instrumental Ensemble courses cover one or more
Instrumental Ensembles	05106	instrumental ensemble or band literature styles.
		Piano courses introduce students to the fundamentals of music and basic
		keyboard techniques such as scales, chords, and melodic lines. These courses
Piano	05107	may also include more advanced keyboard techniques.
1.500	55107	Guitar courses introduce students to the fundamentals of music and guitar-
		playing techniques, such as strumming and chords. These courses may also
Guitar	05108	include more advanced guitar-playing techniques.
	00100	morade more davanced Bartar Playing techniques.

		Individual Technique—Instrumental Music courses provide individuals with
Individual Technique—Instrumental Music	05109	instruction in instrumental techniques. These courses may be conducted on either an individual or small group basis.
·		Chorus courses provide the opportunity to sing a variety of choral literature
		styles for men's and/or women's voices and are designed to develop vocal
Chorus	05110	techniques and the ability to sing parts.
		Vocal Ensemble courses are intended to develop vocal techniques and the
		ability to sing parts in small ensemble or madrigal groups. Course goals may
		include the development of solo singing ability and may emphasize one or
Vocal Ensembles	05111	several ensemble literature styles.
		Individual Technique—Vocal Music courses provide instruction in and
		encourage the development of vocal techniques (including aural development)
		other than the ability to sing in groups. These courses may be conducted on
Individual Technique—Vocal Music	05112	either an individual or small group basis.
		Music Theory courses provide students with an understanding of the
		fundamentals of music and include one or more of the following topics:
Music Theory	05113	composition, arrangement, analysis, aural development, and sight reading.
		AP Music Theory courses are designed to be the equivalent of a first-year music
		theory college course as specified by the College Board. AP Music Theory
		develops students' understanding of musical structure and compositional
		procedures. Usually intended for students who already possess performance-
		level skills, AP Music Theory courses extend and build upon students'
		knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways
		they interact in a composition. Musical notation, analysis, composition, and
AP Music Theory	05114	aural skills are important components of the course.
		IB Music courses prepare students to take the International Baccalaureate
		Music exam at either the Subsidiary or Higher level. IB Music courses develop
		students' knowledge and understanding of music through training in musical
		skills (listening, performing, and composing); exposure to music theory; and
		formulation of an historic and global awareness of musical forms and styles.
		Historical, theoretical, and practical studies are suggested by the IB Curriculum
IB Music	05115	Board.
		Music History/Appreciation courses survey different musical styles and periods
		with the intent of increasing students' enjoyment of musical styles and/or
		developing their artistic or technical judgment. Music History/Appreciation
AA stalltales /Assesstaltas	05446	courses may also focus on developing an understanding of a particular style or
Music History/Appreciation	05116	period.
AA ata History	05445	Similar in nature to Music History/Appreciation courses, Music History courses
Music History	05117	focus specifically on the history of music.

		Similar in nature to Music History/Appreciation courses, Music Appreciation courses focus specifically on students' appreciation of music. They are designed
Music Appreciation	05118	to help students explore the world of music and to develop an understanding of the importance of music in their lives.
Trade Appreciation	03110	Composition/Songwriting courses prepare students to express themselves
		thorough creating music. These courses may use conventional or
		nonconventional notation and may include harmonization in addition to melody writing. Along with musical instruments, students may also use computers for
Composition/Songwriting	05119	creating music.
		Music—Independent Study courses, often conducted with instructors,
		professional musicians, or voice coaches as mentors, enable students to explore
		music-related topics. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular form or style, to explore a
Music—Independent Study	05147	topic in greater detail, or to develop more advanced skills.
·		Art Appreciation courses introduce students to the many forms of art and help
		them form an aesthetic framework through which they can judge and critique
		art of various ages and cultures. These courses also explore the place and
Art Appreciation	05151	significance of art in our society.
		Art History courses introduce students to significant works of art, artists, and
		artistic movements that have shaped the art world and have influenced or
Art History	05152	reflected periods of history. These courses often emphasize the evolution of art forms, techniques, symbols, and themes.
Arthistory	03132	Designed to parallel college-level Art History courses, AP Art—History of Art
		courses provide the opportunity for students to critically examine architecture,
		sculpture, painting, and other art forms within their historical and cultural
		contexts. In covering the art of several centuries (not necessarily in
		chronological order), students learn to identify different styles, techniques, and
		influences and to formulate and articulate their reactions to various kinds of
AP Art—History of Art	05153	artwork.
		Creative Art—Comprehensive courses provide students with the knowledge and
		opportunity to explore an art form and to create individual works of art. These
		courses may also provide a discussion and exploration of career opportunities in
		the art world. Initial courses cover the language, materials, and processes of a
		particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the
		creative process becomes more refined, and students are encouraged to
		develop their own artistic styles. Although Creative Art courses focus on
		creation, they may also include the study of major artists, art movements, and
Creative Art—Comprehensive	05154	styles.

		Creative Art—Drawing/Painting courses cover the same topics as Creative Art—
		Comprehensive courses, but focus on drawing and painting. In keeping with this
		attention on two-dimensional work, students typically work with several media
		(such as pen-and-ink, pencil, chalk, watercolor, tempera, oils, acrylics, and so
Creative Art—Drawing/Painting	05155	on), but some courses may focus on only one medium.
		Creative Art—Drawing courses cover the same topics as Creative Art—
		Drawing/Painting, but focus on drawing. In keeping with this attention on two-
		dimensional work, students typically work with several media (such as pen-and-
Creative Art—Drawing	05156	ink, pencil, chalk, and so on), but some courses may focus on only one medium.
		Creative Art—Painting courses cover the same topics as Creative Art—
		Drawing/Painting, but focus on painting. In keeping with this attention on two-
		dimensional work, students typically work with several media (such as
		watercolor, tempera, oils, acrylics, and so on), but some courses may focus on
Creative Art—Painting	05157	only one medium.
		Creative Art—Sculpture courses cover the same topics as Creative Art—
		Comprehensive courses, but focus on creating three-dimensional works.
		Students typically work with several media (such as clay, ceramics, wood,
Creative Art—Sculpture	05158	metals, textiles, and so on), but some courses may focus on only one medium.
·		Ceramics/Pottery courses cover the same topics as Creative Art—
		Comprehensive courses, but focus on creating three-dimensional works out of
		clay and ceramic material. Particular attention is paid to the characteristics of
		the raw materials, their transformation under heat, and the various methods
Ceramics/Pottery	05159	used to create and finish objects.
		Printmaking/Graphics courses cover the same topics as Creative Art—
		Comprehensive courses, but focus on design principles, printmaking, and
Printmaking/Graphics	05160	graphic design.
		Printmaking courses introduce students to a variety of printmaking techniques
		using processes such as relief printing (monoprint, collograph block); intaglio
		(etching and engraving); and perigraphy (silkscreen films, stencils, block-out).
		These courses emphasize design elements and principles and introduce art
		criticism as applied to fine art prints. Lessons may also include the historical
Printmaking	05161	development of printmaking in Western and non-Western cultures.
	33101	Graphic Design courses emphasize design elements and principles in the
		purposeful arrangement of images and text to communicate a message. They
		focus on creating art products such as advertisements, product designs, and
		identity symbols. Graphic Design courses may investigate the computer's
		influence on and role in creating contemporary designs and provide a cultural
Graphic Design	05162	and historical study of master design works of different periods and styles.
Oraphic Design	03102	and historical study of master design works of different periods and styles.

		Jewelry courses apply art and design principles to the creation of jewelry.
		Typically, students explore using various media, such as ceramic, papier-mache,
		glass, plastic, copper-enameled, brass, and silver. Course topics include
		exposure to jewelry of diverse world cultures and the history of jewelry design.
		Some Jewelry courses may concentrate on metalwork processes such as
		brazing, soldering, casting, welding, riveting, and finishing as they relate to the
Jewelry	05166	creation of jewelry.
		Photography courses expose students to the materials, processes, and artistic
		techniques of taking artistic photographs. Students learn about the operation of
		a camera, composition, lighting techniques, depth of field, filters, camera
		angles, and film development. The course may cover black-and-white
		photography, color photography, or both. As students advance, the instruction
		regarding the creative process becomes more refined, and students are
		encouraged to develop their own artistic style. These courses may also cover
Photography	05167	major photographers, art movements, and styles.
		Art Portfolio courses offer students the opportunity to create a professional
		body of work that reflects their personal style and talent. Students are often
Art Portfolio	05170	encouraged to display their work publicly.
		Designed for students with a serious interest in art, AP Studio Art—General
		Portfolio courses enable students to refine their skills and create artistic works
		to be submitted to the College Board for evaluation. Given the nature of the AP
		evaluation, the courses typically emphasize quality of work, attention to and
		exploration of a particular visual interest or problem, and breadth of experience
		in the formal, technical, and expressive aspects of the student's art. AP Studio
		Art—General Portfolio evaluations require submission of artwork exemplifying
AP Studio Art—General Portfolio	05171	talent in drawing, color organization, design, and sculpture.
		Designed for students with a serious interest in art, AP Studio Art—Drawing
		Portfolio courses enable students to refine their skill and create artistic works to
		be submitted to the College Board for evaluation. Given the nature of the AP
		evaluation, the courses typically emphasize quality of work, attention to and
		exploration of a particular visual interest or problem, and breadth of experience
		in the formal, technical, and expressive aspects of drawing. In these courses,
		students explore representation, abstraction, and experimentation with a
AP Studio Art—Drawing Portfolio	05172	variety of drawing materials.

		IB Art/Design courses prepare students to take the International Baccalaureate
		Art/Design exams at either the Subsidiary or Higher level. IB Art/Design courses
		help develop students' aesthetic and creative faculties, offer training in
		awareness and criticism of art, and enable students to create quality works of
		art of their own. Students perform both studio and research work; the research
		component is designed to investigate particular topics or concepts of interest in
IB Art/Design	05173	further detail.
		Visual Art—Independent Study courses, often conducted with instructors or
		professional artists as mentors, enable students to explore a particular art form
		or topic. Independent Study courses may serve as an opportunity for students
		to expand their expertise in a particular form or style, to explore a topic in
Visual Arts—Independent Study	05197	greater detail, or to develop more advanced skills.
		Fine and Performing Art—Independent Study courses, often conducted with
		instructors or professional artists as mentors, enable students to explore a
		particular art form. Independent Study courses may serve as an opportunity for
		students to expand their expertise in a particular form or style, to explore a
Fine and Performing Art—Independent Study	05997	topic of in greater detail, or to develop more advanced skill.
		Comparative Religion courses survey and compare the various forms and values
		of several world religions, offering students a basic understanding of the world's
		diverse religious faiths and practices. Course topics typically include the belief
		systems of adherents; the relationships among humans, nature, ancestors, and
Comparative Religion	07002	the spiritual world; and the historical development of each religion.
		Similar to Comparative Religion, Eastern Religions courses provide students with
		an overview of various religions and belief systems but focus on those of the
		Eastern World. Particular religious or philosophical systems of study usually
		include Buddhism, Hinduism, Islam, Taoism, Shintoism, and Confucianism,
Eastern Religions	07003	among others.
		Similar to Comparative Religion, Western Religions courses provide students
		with an overview of various religions and belief systems but focus on those of
		the Western World. Particular religious or philosophical systems of study usually
		include Judaism; Christianity (including various faiths such as those of Catholics,
	0=00	Episcopalians, Baptists, Quakers, Mormons, Mennonites, and others); and
Western Religions	07004	Native Indian belief systems, among others.
		Bible History treats the Bible as a historical document and provide an overview
		of significant biblical events. The content usually includes geography; the
	07000	relationship among cultures, belief systems, and the events chronicled in the
Bible History	07008	Bible; and early Jewish or Christian Church history.

and messages of one or several people who are central to a religious faith, such as a prophet, aposte, philosopric releader. In addition to a historical study of the person (or people), these courses typically emphasize how the teachings of these individuals influence the faith and culture of a religious group. Justice, Peace, and Faith course cannie the scriptural foundations for justice, typically with a historical overview of a faith's social teaching. These courses discuss such topics as poverty, on a faith's social teaching. These courses discuss such topics as poverty, on a faith's social teaching. These courses discuss such topics as poverty, on a faith's social teaching. These courses discuss such topics as poverty income; conflict, discrimination, justice, and environmental issues, with a view toward developing students' ability to critically reflect upon and analyze the row roles and responsibilities. Introduction to Computer course introduce students to computers and peripheral devices, the functions and uses of computers, and corquations related to computer industry, possibilities to computer, and computer industry, possibilities. Introduction to Computer operations. Introduction to Computer operations. Introduction to Computer and exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use. In computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of pr			D.P. C. F. C.
as a prophet, apostle, philosopher, or leader. In addition to a historical study of the person (or people), these courses typically emphasize how the teachings of these individuals influence the faith and culture of a religious group. Justice, Peace, and Faith courses examine the scriptural foundations for justice, typically with a historical overview of a faith's social teaching. These courses discuss such topics as poverty, hunger, conflict, discrimination, justice, and environmental issues, with a view toward developing students' ability to critically reflect upon and analyze their own roles and responsibilities. Justice, Peace, and Faith O7014 Critically reflect upon and analyze their own roles and responsibilities. Introduction to Computer courses introduce students to computers and peripheral devices, the functions and uses of computers, and occupations related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computer legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introducin of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technology as they relate to industry applications. Computer and information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effection, conduct research more efficiently, and increase productivity, Course content includes the legal and ethical issues involved with computer and information Technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously writte			Religious Figures courses offer students the opportunity to examine the lives
the person (or people), these courses typically emphasize how the teachings of these individuals influence the faith and culture of a religious group. Justice, Peace, and Faith courses examine the scriptural foundations for justice, typically with a historical overview of a faith's social teaching. These courses discuss such topics as poverty, hunger, conflict, discrimination, justice, and environmental issues, with a view toward developing students' ability to critically reflect upon and analyze their own roles and responsibilities. Introduction to Computer course introduce students to computers and peripheral devices, the functions and uses of computers, and occupations related to computer industry, possible applications of computer say were related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer assisted design, computer-aided manufacturing systems, and other computer technology and septiment of the second computer technology and septiment of the second computer and information Technology courses teach students to operate and use computer and information technology courses teach students to operate and use computer and information technology courses teach students to operate and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail, desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in t			, ,
Religious Figures Justice, Peace, and Faith courses examine the scriptural foundations for justice, typically with a historical overview of a faith's social teaching. These courses discuss such topics as poverty, hunger, conflict, discrimination, justice, and environmental issues, with a view toward developing students' ability to critically reflect upon and analyze their own roles and responsibilities. Introduction to Computer courses introduce students to computers and peripheral devices, the functions and uses of computers, and occupations related to computer industry, possible applications of computers, and occupations related to computer and environmental issues, where are so computers, and occupations related to computer have and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers in a variety of fields. These courses typically explore computer operations. Computer operations. Computing Systems courses offer a broad exploration of the use of computers assisted design, computer-aided manufacturing systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate in divistory applications. Computer and information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses priore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications, including (but not limited to) word-processing, spreadsheet			
Justice, Peace, and Faith courses examine the scriptural foundations for justice, typically with a historical overview of a faith's social teaching. These courses discuss such topics as poverty, hunger, conflict, discrimination, justice, and environmental issues, with a view toward developing students' ability to critically reflect upon and analyze their own roles and responsibilities. Introduction to Computer courses introduce students to computers and peripheral devices, the functions and uses of computers, and occupations related to computer industry, possible applications of computers, and occupations related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computeraded amunifacturing systems, and other computer technology and use. Computer and Information Technology courses teach students to operate and use computer and information technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and information Technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the operation and destop publishing, and leave packages, particularly thouses word. Generally, these			
typically with a historical overview of a faith's social teaching. These courses discuss such topics as poverty, hunger, conflict, discrimination, justice, and environmental Issues, with a view toward developing students' ability to critically reflect upon and analyze their own roles and responsibilities. Introduction to Computer courses introduce students to computers and peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the induction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and information Technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course entern tincludes the legal and ethical issues involved with they may also cover the use of electronic mail and desktop publishing. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.	Religious Figures	07010	
discuss such topics as poverty, hunger, conflict, discrimination, justice, and environmental issues, with a view toward developing students' ability to critically reflect upon and analyze their own roles and responsibilities. Introduction to Computer courses introduce students to computers and peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer assisted design, computer-aided manufacturing systems, and other computer sassisted design, computer-aided manufacturing systems, and other computer computer and information Technology can develope a students to operate and use computer and information Technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.			· · · · · · · · · · · · · · · · · · ·
environmental issues, with a view toward developing students' ability to critically reflect upon and analyze their own roles and responsibilities. Introduction to Computer courses introduce students to computers and peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer assisted design, computer-aded manufacturing systems, and other computer technologies as they relate to industry applications. Computer and information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and vapals of proviou			,, ,
Justice, Peace, and Faith O7014 critically reflect upon and analyze their own roles and responsibilities.			discuss such topics as poverty, hunger, conflict, discrimination, justice, and
Introduction to Computer courses introduce students to computers and peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of files. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer assisted design, computer-aided manufacturing systems, and other computer technology sas they relate to industry applications. Computing Systems 10002 Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			environmental issues, with a view toward developing students' ability to
peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and	Justice, Peace, and Faith	07014	critically reflect upon and analyze their own roles and responsibilities.
the computer industry, possible applications of computers, and occupations related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology, courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these course explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			Introduction to Computer courses introduce students to computers and
related to computer hardware and software. These courses typically explore legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they processing, spreadsheet, graphics, and applications, including (but not limited to) word-processing, spreadsheet, graphics, and applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and applications are packages.			peripheral devices, the functions and uses of computers, the language used in
legal and ethical issues associated with computer use, as well as how computers influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology 10003			the computer industry, possible applications of computers, and occupations
influence modern society. Students may also be required to perform some computer operations. Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			related to computer hardware and software. These courses typically explore
Introduction to Computers Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology courses teach students to operate and use computer and information Technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			legal and ethical issues associated with computer use, as well as how computers
Computing Systems courses offer a broad exploration of the use of computers in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aised manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			influence modern society. Students may also be required to perform some
in a variety of fields. These courses have a considerable range of content, but typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and	Introduction to Computers	10001	computer operations.
typically include the introduction of robotics and control systems, computer-assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology 10003 computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			Computing Systems courses offer a broad exploration of the use of computers
assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology 10003 In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			in a variety of fields. These courses have a considerable range of content, but
assisted design, computer-aided manufacturing systems, and other computer technologies as they relate to industry applications. Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology 10003 In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			typically include the introduction of robotics and control systems, computer-
Computer and Information Technology courses teach students to operate and use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology 10003 In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			assisted design, computer-aided manufacturing systems, and other computer
use computer and information technology, emphasizing their role as tools to communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology 10003 computer technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and	Computing Systems	10002	technologies as they relate to industry applications.
communicate more effectively, conduct research more efficiently, and increase productivity. Course content includes the legal and ethical issues involved with computer and Information Technology 10003 In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			Computer and Information Technology courses teach students to operate and
productivity. Course content includes the legal and ethical issues involved with computer and Information Technology In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			use computer and information technology, emphasizing their role as tools to
Computer and Information Technology 10003 computer technology and use. In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			communicate more effectively, conduct research more efficiently, and increase
In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			productivity. Course content includes the legal and ethical issues involved with
experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and	Computer and Information Technology	10003	computer technology and use.
packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			In Computer Applications courses, students acquire knowledge of and
limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			experience in the proper and efficient use of previously written software
Computer Applications 10004 they may also cover the use of electronic mail and desktop publishing. In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			packages. These courses explore a wide range of applications, including (but not
In Business Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			limited to) word-processing, spreadsheet, graphics, and database programs, and
experience in the proper and efficient use of previously written software packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and	Computer Applications	10004	they may also cover the use of electronic mail and desktop publishing.
packages, particularly those used in the business world. Generally, these courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			
courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			
word-processing, spreadsheet, graphics, and database programs, and they may also cover topics such as electronic mail, desktop publishing, and			
also cover topics such as electronic mail, desktop publishing, and			courses explore a wide range of applications, including (but not limited to)
			word-processing, spreadsheet, graphics, and database programs, and they may
Rusiness Computer Applications 10005 telecommunications			,
2000 telecommunications.	Business Computer Applications	10005	telecommunications.

		Telecommunications courses address the growth in global communications and
		the emerging equipment and systems needed to successfully communicate in a
		global environment. These courses cover such topics as data communication
		protocol and systems, government regulations of the communications industry,
		and the use of cost-effective and productive tools to transmit messages and
		data. In these courses, students may learn about such communication systems
		· · · · · · · · · · · · · · · · · · ·
Telecommunications	10006	as e-mail, internet or ecommerce, LAN, WAN, voice transmission, cell phone
releconnitunications	10006	technology, and traditional teleconferencing.
		IB Information Technology in a Global Society courses prepare students to take
		the International Baccalaureate Information Technology exams and examine the
		interaction among information, technology, and society. Course content is
		designed to help students develop a systematic, problemsolving approach to
		processing and analyzing information using a range of information tools. In
		these courses, students also discuss and evaluate how modern information
		technology affects individuals, relationships among people, and institutions and
IB Information Technology in a Global Society	10007	societies.
		These courses examine particular topics related to general computer literacy
		other than those already described, such as privacy issues or instruction in using
Particular Topics in Computer Literacy	10008	a particular software application.
		New advances in technology offer promise of more efficiency, convergence of
		existing technologies, improved productivity and represent progressive
		development. The degree of impact, status, deployment and economic viability
		affect future opportunities for society. This course offers opportunity to learn
Emerging Technologies-Computing	10040	utilize, and appreciate those impacts in future workforce environments.
		Computer Literacy—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore computer-related topics of
		interest. Independent Study courses may serve as an opportunity for students
		to expand their expertise in a particular specialization, to explore a topic in
Computer Literacy—Independent Study	10047	greater detail, or to develop more advanced skills.
		Information Management courses provide students with the knowledge and
		skills to develop and implement a plan for an information system that meets the
		needs of business. Students develop an understanding of information system
		theory, skills in administering and managing information systems, and the ability
Information Management	10051	to analyze and design information systems.
5		Database Management and Data Warehousing courses provide students with
		the skills necessary to design databases to meet user needs. Courses typically
		address how to enter, retrieve, and manipulate data into useful information.
		More advanced topics may cover implementing interactive applications for
Database Management and Data Warehousing	10052	common transactions and the utility of mining data.
Tatabasa managament and Bata Warehousing	10032	activity of the state of the st

Database Application courses provide students with an understanding of database development, model, design, and normalization. These courses typically cover such topics as SELECT statements, data definition, manipulation, control languages, records, and tables. In these courses, students may use Oracle Webbb, SQL, PL/SQL, SPSs, and SAS and may prepare for certification. Data Systems/Processing courses introduce students to the uses and operation of computer hardware and source and to the programming languages used in business applications. Students typically use BASIC, COBOL, and/or RPL languages as they write flowcharts or computer programms and may also learn data-processing skills. Particular Topics in Management Information Systems Particular Topics in Management Information Systems 10055 These courses examine particular topics in management information systems other than those already described. Management Information Systems—independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to management information systems. Independent Study courses may serve as an opportunity for students to explore topics related to management information systems. Independent Study courses may serve as an opportunity for students to explore the specialization, to explore a topic in greater detail, or to develop more advanced skills. Network Technology courses address the technology involved in the transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television networks, radio wave, and so on). These courses may emphasize the capabilities of networks, pathware, and so on). These courses may emphasize the capabilities of networks, pathware, and so on). These courses may emphasize the capabilities of networks, pathware, and so on). These courses and entire expertise in a particular process. Students acquire skills in the design, and smitlalation practices. Students acquire skills i			
of computer hardware and software and to the programming languages used in business applications. Students typically use aBASIC, COBOL, and/or RPL languages as they write flowcharts or computer programs and may also learn data-processing skills. Particular Topics in Management Information Systems 10055 These courses examine particular topics in management information systems other than those already described. Management Information Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to management information systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. Metwork Technology courses address the technology involved in the transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television networks, radio waves, and so on). These courses may emphasize the capabilities of networks, radio waves, and so on). These courses may emphasize the capabilities of networks, network technology itself; or both. Students typically learn about network, capabilities—including electronic mail, public network, software, hardware, and peripherals involved in setting up and maintaining a computer network. Networking Systems courses are designed to provide students with the opportunity to understand and work with hubs, switches, and routers. Students develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network uriting design and protocols courses address the role of computers in a network systems, and simple LAN (local area network) and	Database Applications	10053	database development, modeling, design, and normalization. These courses typically cover such topics as SELECT statements, data definition, manipulation, control languages, records, and tables. In these courses, students may use
Particular Topics in Management Information Systems 10055 These courses examine particular topics in management information systems other than those already described. Management Information Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to management information systems. Independent Study courses may serve as an opportunity for students to explore their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. Network Technology courses address the technology involved in the transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television network, radio waves, and so on). These courses may emphasize the capabilities of networks, network technology itself, or both. Students typically learn about network capabilities—including electronic mail, public networks, and electronic and network technology—including network software, hardware, and peripherals involved in setting up and maintaining a computer network. Networking Systems courses are designed to provide students with the opportunity to understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and Internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network certification. Area Network Design and Protocols courses address the role of computers in a network systems, and simple LAN (local area network) and WAN (wide area	Data Systems/Processing	10054	of computer hardware and software and to the programming languages used in business applications. Students typically use BASIC, COBOL, and/or RPL languages as they write flowcharts or computer programs and may also learn
Management Information Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to management information systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. Network Technology courses address the technology involved in the transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television networks, radio waves, and so on). These courses may emphasize the capabilities of networks, network technology itself, or both. Students typically learn about network capabilities—including electronic mail, public networks, and electronic bulletin boards—and network technology—including network software, hardware, and peripherals involved in setting up and maintaining a computer network. Network Technology 10101 Network Technology 10102 Network Technology itself, or both. Students typically learn about network capabilities—including electronic mail, public networks, and electronic bulletin boards—and network technology—including network software, hardware, and peripherals involved in setting up and maintaining a computer network. Networking Systems courses are designed to provide students with the opportunity to understanding of LAN (local area network), wand (wide area network), wireless connectivity, and Internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network certification. Area Network Design and Protocols courses address the role of computers in a network systems, the Open Systems Interconnection (OSI) model, structured wiring systems, and simple LAN (local area network) and WAN (wide area			These courses examine particular topics in management information systems
Management Information Systems—Independent Study Network Technology courses address the technology involved in the transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television networks, radio waves, and so on). These courses may emphasize the capabilities of networks, network technology itself, or both. Students typically learn about network capabilities—including electronic mail, public networks, and electronic bulletin boards—and network technology—including network software, hardware, and peripherals involved in setting up and maintaining a computer network. Network Technology	Tarticalar representational and a second	10000	Management Information Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to management information systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular
transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television networks, radio waves, and so on). These courses may emphasize the capabilities of networks, network technology itself, or both. Students typically learn about network capabilities—including electronic mail, public networks, and electronic bulletin boards—and network technology—including network software, hardware, and peripherals involved in setting up and maintaining a computer network. Networking Systems courses are designed to provide students with the opportunity to understand and work with hubs, switches, and routers. Students develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and Internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network certification. Networking Systems 10102 Area Network Design and Protocols courses address the role of computers in a network system, the Open Systems Interconnection (OSI) model, structured wiring systems, and simple LAN (local area network) and WAN (wide area	Management Information Systems—Independent Study	10097	1 .
opportunity to understand and work with hubs, switches, and routers. Students develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and Internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network certification. Networking Systems 10102 certification. Area Network Design and Protocols courses address the role of computers in a network system, the Open Systems Interconnection (OSI) model, structured wiring systems, and simple LAN (local area network) and WAN (wide area	Network Technology	10101	transmission of data between and among computers through data lines, telephone lines, or other transmission media (such as hard wiring, cable television networks, radio waves, and so on). These courses may emphasize the capabilities of networks, network technology itself, or both. Students typically learn about network capabilities—including electronic mail, public networks, and electronic bulletin boards—and network technology—including network software, hardware, and peripherals involved in setting up and maintaining a computer network.
network system, the Open Systems Interconnection (OSI) model, structured wiring systems, and simple LAN (local area network) and WAN (wide area	Networking Systems	10102	opportunity to understand and work with hubs, switches, and routers. Students develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and Internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network
Area Network Design and Protocols 10103 network) designs.	~ ·		Area Network Design and Protocols courses address the role of computers in a network system, the Open Systems Interconnection (OSI) model, structured
	Area Network Design and Protocols	10103	

	<u> </u>	T
		Router Basics courses teach students about router components, start-up, and
		configuration using CISCO routers, switches, and the IOS (Internetwork
		Operation System). These courses also cover such topics as TCP/IP protocol, IP
Router Basics	10104	addressing, subnet masks, and network trouble-shooting.
		NetWare Routing courses introduce students to such topics as Virtual LANs
		(VLAN) and switched internetworking, comparing traditional shared local area
		network (LAN) configurations with switched LAN configurations, and they also
		discuss the benefits of using a switched VLAN architecture. These courses also
		may cover routing protocols like RIP, IGRP, Novell IPX, and Access Control Lists
NetWare Routing	10105	(ACLs).
		Wide Area Telecommunications and Networking courses provide students with
		the knowledge and skills to enable them to design Wide Area Networks (WANs)
		using ISDN, Frame-Relay, and PPP. Students gain knowledge and skills in
		network management and maintenance and develop expertise in trouble-
		shooting and assessing the adequacy of network configuration to meet
Wide Area Telecommunications and Networking	10106	changing conditions.
		Wireless Networks courses focus on the design, planning, implementation,
		operation, and trouble-shooting of wireless computer networks. These courses
		typically include a comprehensive overview of best practices in technology,
		security, and design, with particular emphasis on hands-on skills in (1) wireless
		LAN set-up and trouble-shooting; (2) 802.11a & 802.11b technologies, products,
		and solutions; (3) site surveys; (4) resilient WLAN design, installation, and
Wireless Networks	10107	configuration; (5) vendor interoperability strategies; and (6) wireless bridging.
		Network Security courses teach students how to design and implement security
		measures in order to reduce the risk of data vulnerability and loss. Course
		content usually includes typical security policies; firewall design, installation,
		and management; secure router design, configuration, and maintenance; and
Network Security	10108	security-specific technologies, products, and solutions.
		Essentials of Network Operating Systems courses provide a study of multi-user,
		multi-tasking network operating systems. In these courses, students learn the
		characteristics of the Linux, Windows 2000, NT, and XP network operating
		systems and explore a variety of topics including installation procedures,
Essentials of Network Operating Systems	10109	security issues, back-up procedures, and remote access.
		Microsoft Certified Professional courses provide students with the knowledge
		and skills necessary to be employed as a network administrator in the latest
		Windows server-networking environment. Topics include installing, configuring,
		and trouble-shooting the Windows server. These courses prepare students to
		set up network connections; manage security issues and shares; and develop
		, , , , , , , , , , , , , , , , , , , ,

		These courses examine particular topics in networking systems other than those
Particular Topics in Networking Systems	10111	already described.
Networking Systems—Independent Study	10147	Networking Systems—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to networking systems. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.
Business Programming	10151	Business Programming courses provide students with experience in using previously written software packages as well as designing and writing programs of their own. The word-processing, spreadsheet, graphics, and database exercises in these courses contain a business industry focus, and the original programs are written in languages typical of this industry (Visual Basic (VB), C++, Java, BASIC, COBOL, and/or RPL).
		Computer Programming courses provide students with the knowledge and skills necessary to construct computer programs in one or more languages. Computer coding and program structure are often introduced with the BASIC language, but other computer languages, such as Visual Basic (VB), Java, Pascal, C++, and COBOL, may be used instead. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency. Students may apply the skills they learn to relevant applications such as modeling, data
Computer Programming	10152	management, graphics, and text-processing.
		Visual Basic (VB) Programming courses provide an opportunity for students to gain expertise in computer programs using the Visual Basic (VB) language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs and how to use problem-solving techniques. These courses cover such topics as the use of text boxes, scroll bars, menus, buttons, and Windows applications. More advanced topics may include
Visual Basic (VB) Programming	10153	mathematical and business functions and graphics.
		C++ Programming courses provide an opportunity for students to gain expertise in computer programs using the C++ language. As with more general computer programming courses, the emphasis is on how to write logically structured programs, include appropriate documentation, and use problemsolving techniques. More advanced topics may include multi-dimensional arrays,
C++ Programming	10154	functions, and records.

		Java Programming courses provide students with the opportunity to gain expertise in computer programs using the Java language. As with more general computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. Topics covered in the course include syntax, I/O classes, string manipulation, and
Java Programming	10155	recursion.
Computer Programming—Other Language	10156	Computer Programming—Other Language courses provide students with the opportunity to gain expertise in computer programs using languages other than those specified (such as Pascal, FORTRAN, or emerging languages). As with other computer programming courses, the emphasis is on how to structure and document computer programs, using problem-solving techniques. As students advance, they learn to capitalize on the features and strengths of the language being used.
Computer Fragramming Certer Zungwage	10130	Following the College Board's suggested curriculum designed to mirror college-
		level computer science courses, AP Computer Science A courses provide
		students with the logical, mathematical, and problem-solving skills needed to
		design structured, well-documented computer programs that provide solutions
		to real-world problems. These courses cover such topics as programming
AP Computer Science A	10157	methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities.
Ar computer science A	10137	Following the College Board's suggested curriculum designed to mirror college-
		level computer science courses, AP Computer Science AB courses (in addition to
		covering topics included in AP Computer Science A) provide a more formal and
		extensive study of program design, algorithms, data structures, and execution
AP Computer Science AB	10158	costs.
		IB Computer Studies courses prepare students to take the International Baccalaureate Computing Studies exam at either the Subsidiary or Higher level. The courses emphasize problem analysis, efficient use of data structures and manipulation procedures, and logical decision-making. IB Computing Studies
		courses also cover the applications and effects of the computer on modern
IB Computing Studies	10159	society as well as the limitations of computer technology.
Particular Topics in Computer Programming	10160	These courses examine particular topics in computer programming other than those already described.
		Game technologies represent the culmination of logic, sequence, tool utilization, and extension of skill. Programming process for this course will utilize all previously learned factors of programming logic, artistry, and
Game Design and Authoring for the Web	10165	interactivity.

Computer Programming—Independent Study courses, often conducted with instructors as mentors, enable students to explore topics related to computer programming. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. Particular Topics in Media Technology This course emphasizes the development of digitally generated and/or
programming. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills. Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Computer Programming—Independent Study Topic in greater detail, or to develop more advanced skills. Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Web Page Design courses teach students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
and maintain a web page. These courses may also cover security and privacy issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
issues, copyright infringement, trademarks, and other legal issues relating to the use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
use of the Internet. Advanced topics may include the use of forms and scripts for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Web Page Design 10201 for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Web Page Design 10201 for database access, transfer methods, and networking fundamentals. Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Computer Graphics courses provide students with the opportunity to explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Typical course topics include modeling, simulation, animation, and image retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Computer Graphics 10202 retouching. Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Interactive Media courses provide students with the knowledge and skills to create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
create, design, and produce interactive media products and services. The courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
courses may emphasize the development of digitally generated and/or computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
computer-enhanced media. Course topics may include 3D animation, graphic media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
media, web development, and virtual reality. Upon completion of these courses, students may be prepared for industry certification. These courses examine particular topics in internet design and applications other than those already described.
Interactive Media 10203 students may be prepared for industry certification. These courses examine particular topics in internet design and applications Particular Topics in Media Technology 10204 other than those already described.
Particular Topics in Media Technology 10204 These courses examine particular topics in internet design and applications other than those already described.
Particular Topics in Media Technology 10204 other than those already described.
I I I I I I I I I I I I I I I I I I I
· · · · · · · · · · · · · · · · · · ·
computer-enhanced media, including 2D and 3D spatial elements, graphic
representation, management of movement, environmental representation
[including texture, color, value, form, line, and space], recording media, and
distribution tools and methodologies. Instruction provides venue for such
sophisticated, programming sequences and methodologies as are integrated
Animation 10210 into actions of the characters creating new behaviors.
Media Technology—Independent Study courses, often conducted with
instructors as mentors, enable students to explore topics related to media
technology. Independent Study courses may serve as an opportunity for
students to expand their expertise in a particular specialization, to explore a
Media Technology—Independent Study 10247 topic in greater detail, or to develop more advanced skills.

		Computer Technology courses introduce students to the features, functions,
		and design of computer hardware and provide instruction in the maintenance
Computer Technology	10251	and repair of computer components and peripheral devices.
		Computer Maintenance courses prepare students to apply basic electronic
		theory and principles in diagnosing and repairing personal computers and
		input/output devices. Topics may include operating, installing, maintaining, and
		repairing computers, network systems, digital control instruments,
Computer Maintenance	10252	programmable controllers, and related robotics.
		Information Support and Services courses prepare students to assist users of
		personal computers by diagnosing their problems in using application software
Information Support and Services	10253	packages and maintaining security requirements.
		IT Essentials: PC Hardware and Software courses provide students with in-depth
		exposure to computer hardware and operating systems. Course topics include
		the functionality of hardware and software components as well as suggested
		best practices in maintenance and safety issues. Students learn to assemble and
		configure a computer, install operating systems and software, and troubleshoot
		hardware and software problems. In addition, these courses introduce students
IT Essentials: PC Hardware and Software	10254	to networking and often prepare them for industry certification.
		CISCO—PNIE courses provide students with the knowledge to create innovative
		network infrastructure solutions. These courses offer students basic cable
		installer information and help them acquire the skills to build and use the
		physical layer of network infrastructure and develop a deeper understanding of
CISCO—The Panduit Network Infrastructure Essentials (PNIE)	10255	networking devices.
		These courses examine particular topics in computer support, maintenance, and
Particular Topics in Information Support and Services	10256	repair other than those already described.
		Information Support and Services—Independent Study courses, often
		conducted with instructors as mentors, enable students to explore topics
		related to computer information support and services. Independent Study
		courses may serve as an opportunity for students to expand their expertise in a
		particular specialization, to explore a topic in greater detail, or to develop more
Information Support and Services—Independent Study	10297	advanced skills.
		Computer and Information Sciences—Independent Study courses, often
		conducted with instructors as mentors, enable students to explore computer-
		related topics of interest. Independent Study courses may serve as an
		opportunity for students to expand their expertise in a particular specialization,
Computer and Information Sciences—Independent Study	10997	to explore a topic in greater detail, or to develop more advanced skills.

		Introduction to Communication courses enable students to understand and
		critically evaluate the role of media in society. Course content typically includes investigation of visual images, printed material, and audio segments as tools of
		information, entertainment, and propaganda; improvement of presentation and
		evaluative skills in relation to mass media; recognition of various techniques for
		delivery of a particular message; and, in some cases, creation of a media
Introduction to Communication	11001	product. The course may concentrate on a particular medium.
		Communication Technology courses enable students to effectively
		communicate ideas and information through experiences dealing with drafting,
		design, electronic communication, graphic arts, printing process, photography,
		telecommunications, and computers. Additional topics covered in the course
		include information storage and retrieval. Drafting equipment may be used to
		make scale drawings, including multi-view drawing, photographs, and poster
Communication Technology	11002	mock-ups.
		These courses examine specific topics in communication other than those
Particular Topics in Communication	11003	already described.
		Communication—Independent Study courses, often conducted with instructors
		as mentors, enable students to explore topics of interest related to mass
		communications. Independent Study courses may serve as an opportunity for
		students to expand their expertise in a particular application, to explore a topic
Communication—Independent Study	11047	in greater detail, or to develop more advanced skills.
		Audio/Visual Production courses provide students with the knowledge and skills
		necessary for television, video, film, and/or radio production. Writing scripts,
		camera operation, use of graphics and other visuals, lighting, audio techniques,
		editing, production principles, and career opportunities are typical topics
		covered within production courses. Students are usually required to produce
		their own program or segment. Additional topics such as broadcast industry
	440=4	regulations, radio/TV operation, power of the medium, photography,
Audio/Visual Production	11051	transmission technology, and so on may be included.
		Commercial Photography courses provide instruction in the use of cameras and
		laboratory filmprocessing techniques. Topics covered in the course include
		composition and color dynamics; contact printing; enlarging; developing film;
		use of camera meters, air brushes, and other photographic equipment; portrait,
Commercial Photography	11052	commercial, and industrial photography; processing microfilm; and preparing
Commercial Filotography	11032	copy for printing or for graphic-arts processing. Photographic Laboratory and Darkroom courses prepare students to develop
		and print still or motion picture film. Topics covered in the course may include
		controlling resultant prints; touching up negatives; and finishing, coloring,
Photographic Laboratory and Darkroom	11053	restoring, and copying prints.
Thotographic Educatory and Darktooni	11000	restoring, and copying prints.

		Photo Imaging courses provide students with the opportunity to effectively communicate ideas and information via digital, film, still and video
		photography. Topics covered typically include composition, layout, lighting and
		supplies. More advanced courses may include instruction in specialized camera
		and equipment maintenance, application to commercial and industrial need and
Photo Imaging	11054	photography business operations.
		Video courses enable students to explore video communications, incorporating
		both the technical and artistic aspects of video media. Topics covered in the
		course include the use of video equipment and techniques, and students
		typically create a video presentation. Advanced course topics may include
		creating various forms of film media including silent film; sport and music video;
Video	11055	and self portrait video.
		These courses examine specific topics in audio and video technology and film
Particular Topics in Audio/Video Technology and Film	11056	other than those already described.
		Audio/Video Technology and Film—Independent Study courses, often
		conducted with instructors as mentors, enable students to explore topics of
		interest related to A/V technology or film. Independent Study courses may
		serve as an opportunity for students to expand their expertise in a particular
		application, to explore a topic in greater detail, or to develop more advanced
Audio/Video Technology and Film—Independent Study	11097	skills.
		Journalism courses (typically associated with the production of a school
		newspaper, yearbook, or literary magazine) emphasize writing style and
		technique as well as production values and organization. Journalism courses
		introduce students to the concepts of newsworthiness and press responsibility;
		develop students' skills in writing and editing stories, headlines, and captions;
		and teach students the principles of production design, layout, and printing.
Journalism	11101	Photography and photojournalism skills may be included.
		Photojournalism courses expose students to the manner in which photography
		is used to convey information and experiences. Typically coordinated with
		production of the school newspaper, yearbook, or other media product,
		photojournalism courses provide students with the opportunity to improve
		their photo composition and film development skills, and to apply their art to
Photojournalism	11102	journalistic endeavors.
		Broadcasting Technology courses provide students with the knowledge and
		skills to produce television broadcast programs. Typically, students prepare and
		produce short programs, learning the technical aspects of the operation and
Broadcasting Technology	11103	how to evaluate programming and assess audience reaction and impact.

		Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or
		other printed publication. Students may gain experience in several components
		(writing, editing, layout, production, and so on) or may focus on a single aspect
Publication Production	11104	while producing the publication.
		These courses examine specific topics in journalism and broadcasting other than
Particular Topics in Journalism and Broadcasting	11105	those already described.
		Journalism and Broadcasting—Independent Study courses, often conducted
		with instructors as mentors, enable students to explore topics of interest
		related to journalism, broadcasting, and mass media. Independent Study
		courses may serve as an opportunity for students to expand their expertise in a
		particular application, to explore a topic in greater detail, or to develop more
Journalism and Broadcasting—Independent Study	11147	advanced skills.
		These courses are designed to give students the skills necessary to support and
		enhance their learning about digital medial technology. Topics covered in the
		course may include internet research, copyright laws, web-publishing, use of
	44454	digital imagery, electronic forums, newsgroups, mailing lists, presentation tools,
Digital Media Technology	11151	and project planning.
		Desktop Publishing courses integrate the knowledge and skills learning in word
		processing with the concepts, procedures and application of desktop publishing.
Desktop Publishing	11152	Students learn to format, create and proofread brochures, programs,
Desktop Publishing	11152	newsletters, web pages, presentations and manuscripts. Digital Media Design and Production courses teach students the fundamentals
		of graphic design and production and provide students with the opportunity to
		apply these principles to printed media, digital presentation media, and
Digital Media Design and Production	11153	interactive media.
Digital Wedia Design and Froduction	11133	Commercial Graphic Design courses teach students to use artistic techniques to
		effectively communicate ideas and information to business and customer
		audiences via illustration and other forms of digital or printed media. Topics
		covered may include concept design, layout, paste-up and techniques such as
		engraving, etching, silkscreen, lithography, offset, drawing and cartooning,
Commercial Graphic Design	11154	painting, collage and computer graphics.

	1	T
		Graphic Technology courses help students apply artistic and computer
		techniques to the interpretation of technical and commercial concepts. Topics
		covered may include computer assisted art and design, printmaking, concept
		sketching, technical drawing, color theory, imaging, studio techniques, still life
		modeling, and commercial art business operations. Advanced topics may
		include topographic arrangements of print and/or electronic graphic and textual
		products, printing and lithographic equipment and operations, digital imaging,
Graphic Technology	11155	print preparation, desktop publishing and web page design.
		Photography and Printing Technology courses expose students to the tools,
		materials and processes involved in mass production of photography and
		printing. Types of printing covered in the course may include intaglio, relief,
		planographic, screen processes printing, silk screening, serigraphy processes
		and thermograph. Additional topics may include the use of cameras,
Photography and Printing Technology	11156	composition, imposition, presswork, and computer aided publishing.
		Photoengraving courses teach students to photograph illustration and other
		copy that cannot be set in type, to develop negatives, and to prepare
Photoengraving	11157	photosensitized metal plates for use in printing.
		These courses expose students to the necessary skills for operating a print
		press. Topics covered in this course include how to prepare, operate and
Print Press Operations	11158	maintain printing processes.
		These courses examine specific topics in printing production, such as book
Particular Topics in Printing Technology and Production	11159	binding or silk screen print making, other than those already described.
		Printing Technology—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics of interest related to
		the print medium. Independent Study courses may serve as an opportunity for
		students to expand their expertise in a particular application, to explore a topic
Printing Technology—Independent Study	11197	in greater detail, or to develop more advanced skills.
		Communication and Audio/Video Technology—Independent Study courses,
		often conducted with instructors as mentors, enable students to explore topics
		of interest related to mass communication and its technologies. Independent
		Study courses may serve as an opportunity for students to expand their
Communication and Audio/Video Technology—Independent		expertise in a particular application, to explore a topic in greater detail, or to
Study	11997	develop more advanced skills.
		Business/Office Career Exploration courses expose students to the occupational
		opportunities available in the accounting, administration, data processing,
		management, and secretarial fields. Emphasis is placed on responsibilities,
		qualifications, work environment, and career paths. These courses may also
		include consumer education topics, keyboard exposure, and/or hands-on
Business/Office Career Exploration	12001	experience within the various occupational areas.

		Office Procedures—Comprehensive courses provide students with numerous
		opportunities to explore and understand the responsibilities and duties
		common to most office personnel. These comprehensive courses cover such
		topics as communication skills, reception and transmission of information via
		data processing equipment, filing and record management, mail handling,
Office Procedures—Comprehensive	12002	scheduling meetings and conferences, creating itineraries, and word processing.
Office Procedures—Comprehensive	12002	
		Office and Administrative Technologies courses provide students with
		instruction and experience in developing technical, problem-solving, and
		decision-making skills essential for office and/or administrative occupations.
	42000	Emphasis is placed on integrating and applying knowledge and skills to realistic
Office and Administrative Technologies	12003	office and administrative situations utilizing current and relevant technology.
		Office Services courses introduce students to and help them refine clerical and
		receptionist skills. Course content typically covers filing, telephone, and
		keyboarding skills; reprographic machinery and procedures; communications
Office Services	12004	skills; and so on.
		Keyboarding courses provide students with an introduction to the keyboard
		(letters, numbers, and symbols), basic machine operation, and proper keystroke
		technique. As students progress, they improve their speed and accuracy and
		produce increasingly complex documents. Such courses help students develop
Keyboarding	12005	keyboard proficiency, document production skills, and problem-solving skills.
		Word Processing courses introduce students to automated document
		production using one or more software packages. These courses may introduce
		keyboarding techniques or may require prior experience; in either case, speed
		and accuracy are emphasized. A parallel focus is placed on the use of software
		commands and functions to create, edit, format, and manipulate documents,
		capitalizing on the power offered by word processing software programs. These
		courses may also cover file and disk management and other computer-related
Word Processing	12006	skills.
		Recordkeeping courses help students to develop knowledge and skills related to
		the principles and procedures involved in recording personal financial
		transactions as well as transactions typically undertaken by small businesses.
		Partial emphasis may be placed on personal banking, budgeting, and income tax
		calculations; additional emphasis is usually placed on cashier and clerk
		procedures, inventory control for small businesses, database management,
Recordkeeping	12007	merchandising, and payroll.
		These courses examine specific topics related to business administration not
		otherwise described, such as a focus on dictation or office machinery, rather
Particular Topics in Administration	12008	than provide a general study of office administration principles and techniques.
·		, , , , , , , , , , , , , , , , , , , ,

and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and realworld application. Administration—Independent Study courses, often conducted with instructors as mentors, enable students to explore business administration-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the		1	
environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communication functions, processes, and applications in the context of business may be practiced through problem-based projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration—lose projects and realworld application. Administration application. Administration—lose projects and realworld application. Interest. Independent Study courses may serve as an opportunity for students of interest. Independent Study courses an exportance as a mentors, enable students to explore the project and project a			Business Communications courses help students to develop an understanding
listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and realworld application. Administration—Independent Study courses, often conducted with instructors as mentors, enable students to explore business administration-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secreta			· ·
Business Communications 12009 problem-based projects and realworld application. Administration—Independent Study courses, often conducted with instructors as mentors, enable students to explore business administration—related topics of interest. Independent Study courses, often conducted with instructors as mentors, enable students to explore business administration, related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses survey an array of topics and concepts related to the American economic system and corporate organization.			environments. Emphasis is placed on all phases of communication: speaking,
Business Communications 12009 processes, and applications in the context of business may be practiced through problem-based projects and realworld application. Administration—Independent Study courses, often conducted with instructors as mentors, enable students to explore business administration-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business consents such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			listening, thinking, responding, reading, writing, communicating nonverbally,
Business Communications 12009 problem-based projects and realworld application.			and utilizing technology for communication. Business communication functions,
Business Communications 12009 problem-based projects and realworld application.			processes, and applications in the context of business may be practiced through
Administration—Independent Study courses, often conducted with instructors as mentors, enable students to explore business administration-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Business Essentials 12050 determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a prief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,	Business Communications	12009	
as mentors, enable students to explore business administration-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Business Essentials 12050 Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			
of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			, , , , , , , , , , , , , , , , , , , ,
students to expand their expertise in a particular application, to explore a topic in greater detail, or to develop more advanced skills. This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			,
Administration—Independent Study This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			· · · · · · · · · · · · · · · · · · ·
This is a core course designed to give students an overview of the business, marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,	Administration—Independent Study	120/17	
marketing, finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Business Essentials 12050 12050 Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,	- Marinistration independent study	12047	
understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. 12050 Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			
and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Business Essentials 12050 12			
occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Business Essentials 12050			
on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			·
safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			,
how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			
employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. 12050			, , , , , , , , , , , , , , , , , , , ,
the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. 12050 Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			, , , , , , , , , , , , , , , , , , , ,
they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			employability and personal skills needed to obtain a career and be successful in
principles of business management, and analyze business practices to determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			the workplace. As students learn about different types of business ownership,
Business Essentials 12050 determine ethics and social responsibility. Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			they will interpret industry laws and regulations to ensure compliance, identify
Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			principles of business management, and analyze business practices to
the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,	Business Essentials	12050	determine ethics and social responsibility.
banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			Introductory Business courses survey an array of topics and concepts related to
investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			the field of business. These courses introduce business concepts such as
American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial,			banking and finance, the role of government in business, consumerism, credit,
courses may also expose students to the varied opportunities in secretarial,			investment, and management. They usually provide a brief overview of the
courses may also expose students to the varied opportunities in secretarial,			American economic system and corporate organization. Introductory Business
	Introductory Business	12051	accounting, management, and related fields.

opportunities and effective human relations. These courses provide students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions. Business Management 12052 Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included. Business Law Care and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations 12055 Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective barganing. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources of interpersonal skills in achieving the goals		_	
interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions. Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Entrepreneurship 12053 Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizations and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the
course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business Management 12052 business decisions. Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Entrepreneurship 12053 Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Law 12054 Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			
Business Management 12052 Concepts and use accounting concepts to formulate, analyze, and evaluate business decisions. Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included. Business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management tyles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			e re-
Business Management 12052 business decisions. Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations 12055 management and labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			, , , , , , , , , , , , , , , , , , , ,
Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and lahor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			
necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Entrepreneurship 12053 Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals	Business Management	12052	
typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and linancial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			· · · · · · · · · · · · · · · · · · ·
relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Entrepreneurship 12053 Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			· · · · · · · · · · · · · · · · · · ·
responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business 12053 Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between Human Resources and Labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			., ,
accounting, and communication. Several topics surveyed in Business Entrepreneurship 12053 Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			, , , , , , , , , , , , , , , , , , , ,
Entrepreneurship 12053 Management courses may also be included. Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between Human Resources and Labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			, , , , , , , , , , , , , , , , , , , ,
Business Law courses emphasize legal concepts that are relevant to business and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between Human Resources and Labor Relations courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			
and business organizations. Topics examined in these courses typically include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Business Principles and Management 12055 Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between Human Resources and Labor Relations 12057 management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals	Entrepreneurship	12053	
contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			· · · · · · · · · · · · · · · · · · ·
relationships, negotiable instruments, employment, taxes, insurance, Business Law 12054 commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Business Principles and Management 12055 small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between Human Resources and Labor Relations 12057 management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			
Business Law 12054 commercial papers, legal organizational structures, and consumer liabilities. Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Business Principles and Management 12055 small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between Human Resources and Labor Relations 12057 management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			contracts, buying/renting property, installment buying, insurance, buyer/seller
Business Principles and Management courses are designed to provide students with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between Human Resources and Labor Relations 12057 management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			relationships, negotiable instruments, employment, taxes, insurance,
with an understanding of the American business system, its organizations, and its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals	Business Law	12054	
its management. These courses examine the various leadership and management styles of a variety of successful business organizations, large or small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			
Business Principles and Management 12055 mall. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			
Business Principles and Management 12055 small. Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between Human Resources and Labor Relations 12057 management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			
Human Resources and Labor Relations courses analyze the functions of conflict resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			
resolution and collective bargaining. Typically, students examine the history of the labor movement within the United States, the relationship between management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals	Business Principles and Management	12055	
the labor movement within the United States, the relationship between Human Resources and Labor Relations 12057 management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			·
Human Resources and Labor Relations 12057 management and labor, and how organized labor currently operates. Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			,
Human Resources Management courses provide students with an understanding of the effective use of interpersonal skills in achieving the goals			·
understanding of the effective use of interpersonal skills in achieving the goals	Human Resources and Labor Relations	12057	
			·
			·
Human Resources Management 12058 of an organization.	Human Resources Management	12058	of an organization.

		IB Business and Management courses prepare students to take the International
		Baccalaureate Business and Management exam at either the Subsidiary or
		Higher level. In keeping with Individual and Society courses, IB Business and
		Management promotes problem-solving by identifying the problem, selecting
		and interpreting data, applying appropriate analytical tools, and recommending
		solutions by evaluating their quantitative and qualitative implications. These
		courses also equip students with knowledge and understanding of business
IB Business and Management	12059	terminology, concepts and principles.
		Management—Independent Study courses, often conducted with instructors as
		mentors, enable students to explore business management-related topics of
		interest. Independent Study courses may serve as an opportunity for students
		to expand their expertise in a particular specialization, to explore a topic in
Management—Independent Study	12097	greater detail, or to develop more advanced skills.
		Banking and Finance courses provide students with an overview of the
		American monetary and banking system as well as types of financial institutions
		and the services and products that they offer. Course content may include
		government regulations; checking, savings, and money market accounts; loans;
Banking and Finance	12101	investments; and negotiable instruments.
		Banking courses are similar to Banking and Finance courses, but they focus
		specifically on banking. These courses may also address examining and applying
		the methods used for measuring the financial performance of banks in addition
		to examining specialized brokerage products, current issues, and future trends
Banking	12102	in banking.
		Finance courses are similar to Banking and Finance courses, but they focus
		specifically on finance, addressing how businesses raise, distribute, and use
		financial resources while managing risk. Course content typically involves
		modeling financial decisions (such as borrowing, selling equity or stock, lending
Finance	12103	or investing) typically undertaken by businesses.
		Accounting courses introduce and expand upon the fundamental accounting
		principles and procedures used in businesses. Course content typically includes
		the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal
		techniques, and periodic adjustments. Students may learn how to apply
		standard auditing principles and to prepare budgets and final reports.
		Calculators, electronic spreadsheets, or other automated tools are usually used.
		Advanced topics may include elementary principles of partnership and
		corporate accounting and the managerial uses of control systems and the
Accounting	12104	accounting process.

Risk Management and Insurance	12106	Risk Management and Insurance courses analyze risk management techniques from the viewpoints of those employed in the industry as well as of business owners seeking to meet risk management needs. Insurance products are evaluated in relation to cost and effectiveness.
Investing	12107	Investing courses emphasize the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Stock market simulations are often incorporated into Investing courses.
Advanced Accounting	12108	Advanced Accounting courses expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Topics include principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills.
Finance—Independent Study	12147	Finance—Independent Study courses, often conducted with instructors as mentors, enable students to explore business finance-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail, or to develop more advanced skills.
Marketing Career Exploration	12151	Geared for students with an interest in marketing, sales, or small business operation, Marketing Career Exploration courses expose students to the opportunities available in retail, wholesale, advertising, and other occupational fields using marketing principles.
Marketing—Comprehensive	12152	Marketing—Comprehensive courses focus on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management, and entrepreneurship. Human relations, computers, and economics are often covered as well.

		Marketing—Fashion courses typically cover the same scope of topics as
		Marketing— Comprehensive courses (purchasing and distribution systems,
		advertising, display and sales, management and entrepreneurship, and so on)
		but do so with particular attention to the fashion industry. In keeping with the
		focus on the fashion industry, course topics may also include fashion cycles,
Marketing—Fashion	12153	fashion history, design, style, and coordination.
		Marketing—Real Estate courses typically cover the same scope of topics as
		Marketing— Comprehensive courses (purchasing, advertising, sales, human
		relations, management and entrepreneurship, and so on) but do so with
		particular attention to the real estate industry. In keeping with the focus on real
		estate, course topics may also include financing, investment, ownership rights,
Marketing—Real Estate	12154	ethics, and other real estate principles.
		Marketing—Transportation courses typically cover the same scope of topics as
		Marketing— Comprehensive courses (purchasing and distribution systems,
		advertising, display and sales, management, entrepreneurship, and so on) but
		do so with particular attention to the transportation industry. In keeping with
		the focus on this industry, topics include identification and proper use of auto
		parts and accessories and the sales and service of new and used cars, vans,
Marketing—Transportation	12155	trucks, and related parts.
		Marketing—Food/Beverage Industry courses typically cover the same scope of
		topics as Marketing—Comprehensive courses (purchasing and distribution
		systems, advertising, display and sales, management, entrepreneurship, and so
		on) but do so with particular attention to the food and beverage industry. In
		keeping with the focus on this industry, topics include the unique characteristics
Marketing—Food/Beverage Industry	12156	and functions of the food and beverage service industry.
		Marketing—Insurance courses typically cover the same scope of topics as
		Marketing— Comprehensive courses (purchasing and distribution systems,
		advertising, display and sales, management, entrepreneurship, and so on) but
		do so with particular attention to the sale or underwriting of accident, health,
Marketing—Insurance	12157	life, marine, automobile, and causality insurance.
		Marketing—Floristry courses typically cover the same scope of topics as
		Marketing— Comprehensive courses (purchasing and distribution systems,
		advertising, display and sales, management, entrepreneurship, and so on) but
		do so with particular attention to the floristry industry. In keeping with the
		focus on this field, topics include the unique characteristics and functions of
Marketing—Floristry	12158	retail and wholesale floral operations.

		Marketing—Hospitality/Tourism courses typically cover the same scope of
		topics as Marketing—Comprehensive courses (purchasing and distribution
		systems, advertising, display and sales, management, entrepreneurship, and so
		on) but do so with particular attention to the travel, tourism, and lodging
		industry. In keeping with the focus on this field, topics include the unique
Marketing—Hospitality/Tourism	12159	characteristics and functions of travel services and hotel/motel operations.
Warketing Prospitation Foundation	12133	Marketing—Merchandising courses are designed to provide students with
		practical backgrounds in retailing, with emphasis on merchandising,
		promotion/display, selling, and career planning. The content of this course may
Marketing—Merchandising	12160	also include fundamental principles of human relations.
Warketing Werenamasing	12100	Retail Marketing courses cover marketing principles and concepts related to the
		provision of goods or services directly to the consumer, emphasizing store
		operation, advertisement and display of goods, store security, human relations,
Retail Marketing	12161	and business management and ownership.
Retail Marketing	12101	Internet Marketing covers the principles and functions of marketing from the
		standpoint of conducting business on the internet. Typically, students develop
		such skills as using the internet as a marketing tool, conducting a marketing
		analysis via the internet, planning marketing support activities, managing an
Lateral Manda Con	42462	electronic marketing campaign, managing/owning a business via the internet,
Internet Marketing	12162	and analyzing the impact of the internet on global marketing.
		Sports and Entertainment Marketing courses introduce students to and help
		them refine marketing and management functions and tasks that can be applied
		in amateur or professional sports or sporting events, entertainment or
Sports and Entertainment Marketing	12163	entertainment events, and the sales or rental of supplies and equipment.
		Principles of Marketing courses offer students insight into the processes
		affecting the flow of goods and services from the producer to the consumer.
		Course content ranges considerably as general marketing principles such as
		purchasing, distribution, and sales are covered; however, a major emphasis is
		often placed on kinds of markets; market identification; product planning,
Principles of Marketing	12164	packaging, and pricing; and business management.
		Principles of Advertising courses expose students to the varied concepts
		underlying the promotion of products. The topics included in Principles of
		Advertising courses range considerably, but typically include the psychology of
		advertising, a study of various media, advertising planning and budgeting, and
		advertising layout and design principles. Course topics may also include an
Principles of Advertising	12165	overview of commercial art and packaging.

		Marketing Management courses typically cover the same scope of topics as
		Marketing— Comprehensive courses (purchasing and distribution systems;
		advertising and sales; and so on) but place a particular emphasis on business
Marketing Management	12166	management and entrepreneurship, providing exposure to common techniques
Marketing Management	12166	and problems of management.
		Marketing—Other Specialization courses typically cover the same scope of
		topics as Marketing—Comprehensive courses (purchasing and distribution
		systems, advertising, display and sales, management, entrepreneurship, and so
		on) but do so with attention to a particular industry not specified above. The
Madata Cartillatia	42467	course may also cover specific topics related to the particular industry being
Marketing—Other Specialization	12167	covered.
		Marketing Communications is an Application-level course. This course includes
		activities and discussion related to: advertising, branding, graphic design,
		packaging, promotion, publicity, sponsorship, public relation, and sales
Marketing Communications	12168	promotion.
		Integrated Marketing Applications is an Application-level course. Through this
		course, student will be activity engaged in utilizing technology and technology
		applications in the design, production, and implementation of marketing
		strategies. Students will create print, multi-media, and electronic materials
		used in the marketing process. Application-level activities will be centered
		around: advertising, branding, graphic design, packaging, promotion, publicity,
Integrated Marketing Applications	12195	sponsorship, public relation, and sales promotion.
		Marketing Research will focus on how to: (1) specify information needs and
		design a research study to meet those needs; (2) collect, analyze and use
		marketing research data to make effective marketing decisions; (3)
		communicate the research and findings and their implications to various
Marketing Research	12196	publics.
		Marketing—Independent Study courses, often conducted with instructors as
		mentors, enable students to explore marketing-related topics of interest.
		Independent Study courses may serve as an opportunity for students to expand
		their expertise in a particular specialization, to explore a topic in greater detail,
Marketing—Independent Study	12197	or to develop more advanced skills.
		Principles of Selling courses provide students with the knowledge and
		opportunity to develop in-depth sales competencies. Course content typically
		includes types of selling, steps in a sale, sales strategies, and interpersonal skills
Principles of Selling	12202	and techniques.

		Sales—Independent Study courses, often conducted with instructors as mentors, enable students to explore sales-related topics of interest. Independent Study courses may serve as an opportunity for students to expand their expertise in a particular specialization, to explore a topic in greater detail,
Sales—Independent Study	12247	or to develop more advanced skills.
		Business and Marketing—Independent Study courses, often conducted with
		instructors or professionals as mentors, enable students to explore business or marketing-related topics of interest. Independent Study courses may serve as
		an opportunity for students to expand their expertise in a particular
		specialization, to explore a topic in greater detail, or to develop more advanced
Business and Marketing—Independent Study	12997	skills.
business and Marketing—independent Study	12997	Exploration of Manufacturing Occupations courses introduce and expose
		students to the career opportunities pertaining to the processing and
		production of goods. Course topics vary and may include (but are not limited to)
		systems pertinent to the manufacturing process, properties of various raw
		materials, and the methods used to transform materials into consumer
		products. Course activities depend upon the careers being explored; course
Exploration of Manufacturing Occupations	13001	topics may include entrepreneurship, labor laws, and customer service.
Exploration of Managetaring Occupations	13001	Manufacturing—Comprehensive courses introduce students to the various
		methods used to process and transform materials. Processing techniques
		covered usually include casting, forming, separating, assembling, and finishing.
		The courses may also include an overview of management techniques in
		planning, organizing, and controlling various segments of the manufacturing
Manufacturing—Comprehensive	13002	process, including design, engineering, production, and marketing.
5 1		Industrial Arts courses expose students to the tools and machines that they may
		encounter in manufacturing-related occupations and enable them to develop
		the skills they need to use these tools in various applications. Course topics
		typically include (but are not limited to) drawing and planning, electricity,
		graphic arts, woodwork, leatherwork, metalwork, plastics, and power
		technology. These courses typically cover general safety and career exploration
Industrial Arts	13003	as well.
		Industrial Safety/First Aid courses provide students with instruction in safe
		operating procedures related to various trades, as well as more general training
		in emergency first aid and CPR. Course topics may include the importance of
		standard operation procedures, agencies and regulations related to
		occupational safety and hazard prevention, and the dangers of particular
Industrial Safety/First Aid	13004	materials.

		Materials and Processes courses expose students to the tools, machines, and
		processes that may be encountered in manufacturing-related occupations. In
		particular, these courses stress the analysis, testing, and processing of metals,
Material and Processes	13052	plastics, woods, ceramics, and composite materials.
		Metal and Wood Processing/Production courses include studying the properties
		of metals, woods, and composites and using these materials to construct usable
		products. These courses enable students to experience the process of
		translating an idea into a finished product, with instruction in planning,
Metal and Wood Processing/Production	13053	designing, selecting materials, and using tools and machines.
		Wood Processing/Production courses include studying the properties of woods
		and composites made from woods and using these materials to construct
		usable products. These courses enable students to experience the process of
		translating an idea into a finished product, with instruction in planning,
Wood Processing/Production	13054	designing, selecting materials, and using tools and machines.
		Metal Processing/Production courses include studying the properties of metals
		and metal alloys and using these materials to construct usable products. These
		courses enable students to experience the process of translating an idea into a
		finished product, with instruction in planning, designing, selecting materials,
Metal Processing/Production	13055	and using tools and machines.
		Plastics Processing/Production courses include studying the properties of
		plastics and composites and using these materials to construct usable products.
		These courses enable students to experience the process of translating an idea
		into a finished product, with instruction in planning, designing, selecting
Plastics Processing/Production	13056	materials, and using tools and machines.
		Ceramic Processing/Production courses include studying the properties of
		ceramics and heatresistant composites and using these materials to construct
		usable products. These courses enable students to experience the process of
		translating an idea into a finished product, with instruction in planning,
Ceramic Processing/Production	13057	designing, selecting materials, and using tools and machines.
		These courses examine specific topics in processing and production, such as
Particular Topics in Processing and Production	13058	substance analysis, other than those already described.
		Processing/Production—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics of interest related to
		processing and production. Independent Study courses may serve as an
		opportunity for students to expand their expertise in a particular specialization,
Processing/Production—Independent Study	13097	to explore a topic in greater detail, or to develop more advanced skills.

		Ta
		Production Systems courses provide students with knowledge and skills related
		to manufacturing technologies from conception through production. Although
		courses vary, students typically analyze markets, design and develop
		prototypes, plan a marketing or sales strategy, manage a production plan, and
		manufacture useful products. These courses may also explore the evolution and
		impact of technology on society's social, cultural, and economic systems and
Production Systems	13101	institutions.
		Electro-Mechanical Systems courses provide students with instruction and
		experience in components and equipment that use electricity and the power of
		physical forces. Students gain an understanding of the principles of electricity
		and mechanics and their application to gears, cams, levers, circuits, and other
Electro-Mechanical Systems	13102	devices used in the manufacturing process or within manufactured goods.
		Product Development courses provide students with the opportunity to focus
		on one or more areas of industrial technology, creatively pursuing new
		knowledge or solving a technological problem, by designing and building
		prototypes and working models. Students learn and apply appropriate
Product Development	13103	information in order to complete a project.
Troduct Bevelopment	13103	Production Systems—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics of interest related to
		manufacturing systems and/or research. Independent Study courses may serve
		as an opportunity for students to expand their expertise in a particular
Duaduction Customs Indonesidant Childu	12147	specialization, to explore a topic in greater detail, or to develop more advanced
Production Systems—Independent Study	13147	skills.
		Metalwork Occupations courses provide students with theoretical principles
		and laboratory experiences related to the planning, manufacturing, assembling,
	40004	testing, and repairing of parts, mechanisms, and structures in which materials
Metalwork Occupations	13201	are cast, formed, treated, cut, fused, or otherwise processed in some fashion.
		Metalworking courses introduce students to the qualities and applications of
		various metals and the tools used to manipulate and form metal into products.
		Through one or more projects involving metals, students develop planning,
		layout, and measurement skills; gain experience in cutting, bending, forging,
		casting, and/or welding metal; complete projects according to blueprints or
		other specifications; and may also learn to polish and finish metals. Correct use
Metalworking	13202	of metalworking tools and equipment is stressed.
		Machining courses enable students to create metal parts using various machine
		tools and equipment. Course content may include interpreting specifications for
		machines using blueprints, sketches, or descriptions of parts; preparing and
		using lathes, milling machines, shapers, and grinders with skill, safety, and
Machining	13203	precision; developing part specifications; and selecting appropriate materials.
	•	

		These courses examine specific topics related to machining, emphasizing a
Dankierdan Tanias in Mashinin a	12204	particular type of machine, tool, or procedure, or concentrating on a particular
Particular Topics in Machining	13204	application of machining techniques.
		Sheet Metal courses expose students to the skills and information necessary to
		lay out, fabricate, assemble, install, maintain, and repair items and structures created from sheet metal components. Students learn the safe and efficient
		•
Shoot Motal	12205	operation of various tools and typically gain skill in blueprint reading, welding,
Sheet Metal	13205	and finishing and polishing metals.
		In these courses students gain knowledge and skills in particular aspects of
Particular Tanics in Chart Matal	13206	sheet metal. Examples include individual courses in radial line development,
Particular Topics in Sheet Metal	13200	triangulation fabrication, and so on.
		Welding courses enable students to gain knowledge of the properties, uses, and
		applications of various metals, skills in various processes used to join and cut
		metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc
		processes), and experience in identifying, selecting, and rating appropriate
Molding	12207	techniques. Welding courses often include instruction in interpreting blueprints
Welding	13207	or other types of specifications.
		In these courses students gain knowledge and skills in particular aspects of
Death Instructed Welder	42200	welding. Examples include individual courses in each of the following types of
Particular Topics in Welding	13208	welding: gas metal, gas tungsten, and shielded metal and flux core arc welding.
De die lee Teeine is Martel ee d	42200	In these courses students gain knowledge and skills in particular aspects of
Particular Topics in Metalwork	13209	metalwork (such as foundry work or metallurgy) not otherwise described.
		A comprehensive technical level course designed to provide students with the
Marchine Tool Tools also do	42240	basic theories, equipment and skills needed to effectively operate machine
Machine Tool Technology 1a	13210	equipment.
		Metalwork—Independent Study courses, often conducted with instructors as
		mentors, enable students to explore metalwork-related topics of interest.
		Independent Study courses may serve as an opportunity for students to expand
Mariah and Andrews devil Charle	422.47	their expertise in a particular specialization, to explore a topic in greater detail,
Metalwork—Independent Study	13247	or to develop more advanced skills.
		Appliance Repair courses provide students with the knowledge and experience
		to repair, install, service, and inspect appliances such as stoves, refrigerators,
		washers, dryers, air conditioners, water heaters, and so on. Students gain an
		understanding of the mechanics and working systems of these appliances, the
And Process Brooks	40004	skills to read blueprints and specifications, and proficiency in using related tools
Appliance Repair	13301	and products.

		Equipment Maintenance and Repair courses prepare students to adjust,
		maintain, replace, and repair parts of machinery and to repair tools, equipment,
		and machines. The courses may have a general emphasis or may focus on a
		specific type of machinery or equipment related to a particular industry.
		Depending upon the intent, course topics may include electric, hydraulic, or
5	42222	mechanic systems; control devices, valves, and gates; or supplemental
Equipment Maintenance and Repair	13302	equipment such as fans, hoses, and pipes.
		Repair—Independent Study courses, often conducted with instructors as
		mentors, enable students to explore topics related to repair. Independent Study
		courses may serve as an opportunity for students to expand their expertise in a
		particular specialization, to explore a topic in greater detail, or to develop more
Repair—Independent Study	13347	advanced skills.
		Manufacturing—Aide courses offer interested students the opportunity to assist
		instructors in preparing, organizing, or delivering course curricula. Students may
Manufacturing—Aide	13995	provide tutorial or instructional assistance to other students.
		Manufacturing—Independent Study courses, often conducted with instructors
		as mentors, enable students to explore topics related to manufacturing.
		Independent Study courses may serve as an opportunity for students to expand
		their expertise in a particular specialization, to explore a topic in greater detail,
Manufacturing—Independent Study	13997	or to develop more advanced skills.
		Exploration of Health Care Occupations courses expose students to the variety
		of opportunities available within the health care industry (e.g., such as nursing,
		therapy, dental care, administrative services, and lab technology). These
		courses provide experiences in several of these occupational clusters, along
Exploration of Health Care Occupations	14001	with information and knowledge related to the health care industry as a whole.
·		Health Care Occupations—Comprehensive courses provide students with an
		orientation to the health care industry and help refine their health care-related
		knowledge and skills. Topics covered usually include (but are not limited to) an
		overview of health care delivery; patient care, including assessment of vital
		signs, body mechanics, and diet; anatomy and physiology; identification and use
		of medical equipment and supplies; medical terminology; hygiene and disease
		prevention; first aid and CPR procedures; laboratory procedures; and ethical
Health Care Occupations—Comprehensive	14002	and legal responsibilities.
care decapations comprehensive	1.002	

		Nursing courses place a special emphasis on the particular knowledge and skills required of nurses and/or nursing assistants and aides while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). Topics covered typically include normal growth and development; bathing, feeding, dressing, and transporting patients; basic pharmacology; doctor, nurse, and patient relationships and roles; medical and professional ethics; death and dying; and care of various kinds of patients (e.g., chronically ill,
Nursing	14051	children, new mothers, and so on).
Nursing—LPN	14052	Covering the same scope of topics as Nursing courses, Nursing—LPN courses delve into more depth in order to prepare students for the state's practical nurse licensing examination. Nursing—LPN courses offer the knowledge and experience needed to provide nursing care for patients of all ages, in various stages of sickness or health, and with a variety of disease conditions. Additional topics covered may include community health, nutrition, drug therapy and administration, and mental illness.
Home Health Care	14053	Home Health Care courses teach students how to care for individuals within their homes. Course content relates health care practices and procedures to the home environment, and typically includes patient care, comfort, and safety; anatomy and physiology; the prevention of disease and infection; nutrition and meal preparation; human relations; and first aid and CPR. Topics covered may also include therapy strategies, household management, and employability.
		Dental Science courses expose students to the tools, terminology, and procedures necessary for a career in the dental industry. Course content covers a wide range of topics and typically includes dental anatomy and terminology; the identification and use of dental equipment; dental pathologies and procedures; asepsis; dental laboratory procedures; emergency first aid; and the ethical and legal responsibilities of dental care workers. These courses often
Dental Science	14054	explore dental specialties and career options. Emergency Medical Technology courses place a special emphasis on the knowledge and skills needed in medical emergencies. Topics typically include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses may also cover the legal and ethical responsibilities involved in dealing with medical
Emergency Medical Technology	14055	emergencies.

Surgical Technology	14056	Surgical Technology courses emphasize the care and needs of patients undergoing surgery while covering general health care topics (i.e., patient care, anatomy and physiology, medical terminology, hygiene and disease prevention, first aid and CPR, and laboratory procedures). In keeping with that focus, topics may include operation room materials, tools, and procedures; aseptic surgical techniques; preparation and handling of surgical instruments; efficiency in the operating room; and the roles of various medical personnel who are present during surgery.
		Vision Care courses expose students to the tools, terminology, and procedures necessary for a career in the optometric or optic field. Vision Care courses typically include the physics of light and refraction; the anatomy, physiology, and terminology associated with the eyes; identification and use of optometric and/or optical equipment; optical procedures; human relations; and the ethical
Vision Care Optometrics	14057	and legal responsibilities of vision care workers. Optometrics courses provide students with the knowledge, ability, and experiences to prepare, assemble, and/or fit corrective lenses prescribed by a physician or optometrist. Topics covered may include layout and marking, cutting and chipping, edging and beveling, inspection, alignment, dispensing, and selection of eyewear.
Gerontology	14059	Gerontology courses provide students with knowledge and understanding of the processes of adult development and aging. Topics covered may include the study of the biological, economic, psychological, social, and health/fitness aspects of the aging process.
<i>S</i> ,		Physical Therapy courses provide students with the knowledge and skills necessary to work with patients who need to achieve and maintain functional rehabilitation and to prevent malfunction or deformity. Topics covered typically include therapeutic exercises and activities (such as stretching and strengthening), how to train patients to perform the activities of daily living, the
Physical Therapy	14060	use of special equipment, and evaluation of patient progress. Respiratory Therapy courses provide students with the knowledge and skills necessary to work with patients who have breathing or other cardiopulmonary difficulties or disorders. Topics covered typically include identifying deficiencies and abnormalities of the cardiopulmonary system, understanding the various
Respiratory Therapy	14061	methods of therapies, and understanding how to use special equipment.

		Care of Athletes courses provide students with the knowledge and skills to
		understand and perform therapeutic tasks that would be designated by an
		athletic or fitness trainer. Topics covered may include taping and bandaging,
		proper use of protective padding, treatment modalities, anatomy and
		physiology, and medical terminology. Students may learn to measure
		cardiorespiratory endurance, muscular strength and endurance, flexibility, body
		composition, and blood pressure. More advanced topics may include injury
		assessment, the phases of healing, and the use of exercise and equipment to
Care of Athletes	14062	help in the reconditioning of injured athletes.
		These courses examine particular topics in medical therapeutic services other
Particular Topics in Therapeutic Services	14063	than those already described.
		Sports Medicine I will provide students an overview of the specialized health
		care needed in the wide world of sports and physical activity. Students will
		learn what sports medicine is and the multidisciplinary approach to athletic
		health care. The course will also introduce students to basic body systems in
		addition to the physical and mental demands of physical activity at all levels.
		The students will be introduced to such things as kinesiology, bleeding and
		shock, the bones and soft tissue, the foot, ankle and lower leg, the knee, the hip
		and pelvis, the elbow, wrist and hand, the shoulder, the chest and abdomen,
Sports Medicine I	14072	the head and face, the spine and lastly special considerations in athletes.
		Sports Medicine II will provide students a hands-on approach to Athletic
		Training. Topics to be covered are central training room, the athletic training
		student-aid program, emergency preparedness, injury game plan, the pre-
		participation physical examination, rehabilitation and preseason conditioning,
		nutrition and the athlete, dietary supplements and performance enhancers,
		sports psychology, assessment and evaluation of sports injuries, therapeutic
		physical modalities, and proper taping and wrapping. The course allows
		students to do a series of clinical internships with medical professionals in the
		community pertaining to sports medicine. These internships are designed for
		students who have a serious interest in pursuing a career the sports medicine
Sports Medicine II	14073	field.
		Therapeutic Services—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics of interest related to
		therapeutic services. Independent Study courses may serve as an opportunity
		for students to expand their expertise in a particular specialization, to explore a
Therapeutic Services—Independent Study	14097	topic in greater detail, or to develop more advanced skills.
	•	

	<u> </u>	
		Dental Laboratory Technology courses expose students to the principals, tools,
		terminology, and procedures necessary for a career in a dental laboratory.
		These courses typically cover many of the same topics as Dental Science, but
		emphasize making mouth guards, taking impressions, creating various types of
Dental Laboratory Technology	14101	dental molds and models, and fabricating prostheses and dental appliances.
		Medical Lab Technology courses provide students with the knowledge and skills
		necessary for employment in health care-related laboratories. Topics include
		basic principles of anatomy and physiology, relevant concepts in microbiology
		and chemistry, and laboratory techniques (including preparation and analysis of
		various cultures and specimens). The courses may also cover such components
Medical Lab Technology	14102	as venipuncture, EKG, and CPR procedures.
		In EKG Technology courses, students acquire the knowledge and skills to
		perform electrocardiograph activities and learn about the cardiovascular system
		(including its function, diseases, and rhythms); EKG machinery; and the use of
		drugs and their effects. These courses usually include general health care topics
		as well, such as basic anatomy and physiology, patient care, first aid and CPR,
EKG Technology	14103	identification and use of medical equipment, and medical terminology.
		In Phlebotomy courses, students acquire knowledge, skills, and experiences
		related to the drawing of blood and typically learn about such topics as infection
		control, sterilization practices, medical/hospital procedures and environments,
Phlebotomy	14104	diagnostic procedures, and the process of drawing blood.
·		These courses examine particular topics in diagnostic services other than those
Particular Topics in Diagnostic Services	14105	already described.
		Diagnostic Services—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics related to diagnostic
		services. Independent Study courses may provide students with an opportunity
		to expand their expertise in a particular specialization, to explore a topic in
Diagnostic Services—Independent Study	14147	greater detail, or to develop more advanced skills.
		Medical/Clerical Assisting courses enable students to develop knowledge and
		skills that combine the medical and clerical fields. Students typically develop
		skills such as patient exam preparation, assessment of vital signs, routine lab
		procedures, medical transcription, financial accounting, patient and insurance
Medical/Clerical Assisting	14151	company billing, and record-keeping.
		Pharmacy Assisting courses emphasize the knowledge and skills necessary to
		assist a pharmacist or pharmacy technician. Course topics and experiences
		enable students to understand medical terminology, keep and maintain records,
		label medications, perform computer patient billing, perform stock inventory,
		and order supplies. These courses also emphasize pharmaceutical classification,
Pharmacy Assisting	14152	drug interactions, and interpersonal/communication skills.

		1.
		Medical Office Procedures courses expose students to clerical knowledge,
		abilities, and procedures as they apply to the medical field. These courses
		typically include (but are not limited to) topics such as medical transcription,
		medical insurance, financial accounting, scheduling, and patient record-keeping.
		Medical terminology and routine medical procedures are covered to provide a
Medical Office Procedures	14153	context for clerical duties.
		In Medical Terminology courses, students learn how to identify medical terms
		by analyzing their components. These courses emphasize defining medical
		prefixes, root words, suffixes, and abbreviations. The primary focus is on
		developing both oral and written skills in the language used to communicate
Medical Terminology	14154	within health care professions.
Wedical Terrimology	14134	· · · · · · · · · · · · · · · · · · ·
	44455	These courses examine particular topics in health Information other than those
Particular Topics in Health Information	14155	already described.
		Health Information—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics related to health
		information systems. Independent Study courses may provide students with an
		opportunity to expand their expertise in a particular specialization, to explore a
Health Information—Independent Study	14197	topic in greater detail, or to develop more advanced skills.
		Central Service Technology courses provide students with knowledge and skills
		related to the procurement, handling, storage, and distribution of sterile goods
		and equipment. Course components usually include quality assurance, infection
		control and isolation techniques, medical terminology and processes,
Central Service Technology	14201	decontamination and sterilization, microbiology, and chemistry.
<u> </u>		Health Support Services courses provide students with knowledge and skills to
		be used in activities that support patients' primary health care, such as
		counseling, health education, disease management, and risk reduction. Because
		support services can be widely defined, course topics typically also include
		general health care, such as anatomy and physiology, medical terminology, first
Health Support Services	14202	aid and CPR procedures, and ethical and legal responsibilities.
	11202	Health Unit Coordination courses provide students with instruction and
		experiences so that they can manage components of nonpatient care activities
		, , , , , , , , , , , , , , , , , , , ,
		in health care facilities. Topics covered usually include medical terminology,
Haalib Hait Caandinabian	4.4303	transcription, and general reception duties and responsibilities; recordkeeping;
Health Unit Coordination	14203	and stocking medical and office supplies and equipment.
		These courses examine particular topics in health support services other than
Particular Topics in Support Services	14204	those described.

		The life Court Court and Laboratory Court
		Health Support Services—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics related to health
		support services. Independent Study courses may provide students with an
	4 40 47	opportunity to expand their expertise in a particular specialization, to explore a
Health Support Services—Independent Study	14247	topic in greater detail, or to develop more advanced skills.
		Biotechnology courses involve the study of the bioprocesses of organisms, cells,
		and/or their components and enable students to use this knowledge to produce
		or refine products, procedures, and techniques. Course topics typically include
		laboratory measurement, monitoring, and calculation; growth and
		reproduction; chemistry and biology of living systems; quantitative problem-
		solving; data acquisition and display; and ethics. Advanced topics may include
Biotechnology	14252	elements of biochemistry, genetics, and protein purification techniques.
		These courses examine particular topics in health sciences other than those
Particular Topics in Health Sciences	14254	already described.
		Health Sciences—Independent Study courses, often conducted with instructors
		as mentors, enable students to explore health-related topics of interest.
		Independent Study courses may provide students with an opportunity to
		expand their expertise in a particular specialization, to explore a topic in greater
Health Sciences—Independent Study	14297	detail, or to develop more advanced skills.
		Health Care Sciences—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore health-related topics of
		interest. Independent Study courses may provide students with an opportunity
		to expand their expertise in a particular specialization, to explore a topic in
Health Care Sciences—Independent Study	14997	greater detail, or to develop more advanced skills.
		Exploration of Public Service Careers courses expose students to the duties,
		responsibilities, requirements, and career opportunities within public service.
		Course topics vary and may include (but are not limited to) protective services;
		correction, judicial, and probation services; fire protection and fire fighting;
		public administration; and social work. Course activities depend upon the career
Exploration of Public Service Careers	15001	clusters that students explore.
		Criminal Justice courses train students to understand and apply the principles
		and procedures essential to the U.S. criminal justice system. These courses
		explore the principles and structure of the justice system and the law, and
		course content also typically includes investigation, search and arrest, and
		laboratory, forensic, and trial procedures. Students may also learn CPR and first
Criminal Justice	15051	aid skills, personal defense tactics, and crime prevention techniques.
		Corrections courses provide instruction regarding the principles and techniques
		used by institutions that incarcerate, rehabilitate, and monitor people accused
Corrections	15052	or convicted of crimes.

		These courses examine specific topics related to law enforcement (such as
Particular Topics in Law Enforcement	15053	forensic science), rather than provide a general study of the field.
		Law Enforcement—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics of interest related to
		law enforcement. Independent Study courses may serve as an opportunity for
		students to expand their expertise in a particular application, to explore a topic
Law Enforcement—Independent Study	15097	in greater detail, or to develop more advanced skills.
		Public Safety courses introduce students to the field of public safety and extend
		their knowledge and skills pertaining to the safety and security of homes,
		workplaces, and the community. These courses cover such topics as policing,
		law enforcement, emergency service, and private security and corrections and
Public Safety	15101	may cover all or a subset of these services.
		Security Services courses provide instruction regarding the safety and security
		of buildings and facilities and may extend these lessons to include the security
Security Services	15102	and safety of one's self and other human beings.
		These courses examine specific topics related to security and protective
Particular Topics in Security	15103	services, rather than provide a general study.
		Security and Protection—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics of interest related the
		security and protection of the public. Independent Study courses may serve as
		an opportunity for students to expand their expertise in a particular application,
Security and Protection—Independent Study	15147	to explore a topic in greater detail, or to develop more advanced skills.
		Fire Science courses introduce students to the field of fire prevention and
		control and enable them to extend their knowledge through the use of
		chemical, physical, and engineering principles to understand factors involved in
		fires. Course topics typically include the chemistry of combustion, factors that
		influence fire (such as structural design and meteorology), and safety
Fire Science	15151	procedures.
		Fire Fighting courses offer students the opportunity to learn fire prevention and
		control under controlled conditions. Typically, students learn about the
		organization, rules, requirements, and regulations of fire departments; study
		and practice the tools and techniques used by firefighters to control or
		extinguish fires; and examine the behavior of fires. These courses also usually
		include emergency medical procedures and present fire investigation
Fire Fighting	15152	techniques.
		These courses examine specific topics related to fire management (such as
Particular Topics in Fire Management	15153	hazardous materials handling), rather than provide a general study of the field.

		Fire Management—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics of interest related fire
		management. Independent Study courses may serve as an opportunity for
		students to expand their expertise in a particular application, to explore a topic
Fire Management—Independent Study	15197	in greater detail, or to develop more advanced skills.
		Public Administration courses provide an overview of the structure, roles, and
		duties of public governments and associated agencies. These courses explore
		the foundation and evolution of the public service sector, issues related to the
		provision of services by governmental bodies, and the missions and constraints
		of various departments within local and state governments. In addition,
		students may explore a particular public administration topic (such as the tax
		base and structure, the legislative process, selection of public servants, resource
Public Administration	15201	management, and so on) in greater detail.
		Community Protection courses provide students with information regarding the
		personnel and agencies concerned with protection of the home, city, state, and
		nation. Topics covered typically include civil defense and disaster preparedness;
		crime prevention; pollution control; fire prevention and control; legal and social
		systems and principles; and public health. These topics may be explored from
		the viewpoint of a community resident and citizen using these services or of
Community Protection	15202	that of one interested in pursuing a public service career.
		Public Policy courses provide students with the opportunity to design, propose,
		and analyze programs and policies implemented by government agencies.
		Activities typically include identifying social issues and problems, generating
		recommendations, using data to quantify the extent of a problem or evaluate its
	45000	solution, communicating ideas and findings, and understanding decision-making
Public Policy	15203	processes.
		Government Service—Independent Study courses, often conducted with
		instructors as mentors, enable students to explore topics of interest related the
		provision of government services. Independent Study courses may serve as an
	45247	opportunity for students to expand their expertise in a particular application, to
Government Service—Independent Study	15247	explore a topic in greater detail, or to develop more advanced skills.
		Public, Protective, and Government Service—Independent Study courses, often
		conducted with instructors as mentors, enable students to explore topics of
		interest related to public, protective, and government service. Independent
		Study courses may serve as an opportunity for students to expand their
Dublic Protective and Covernment Comics, Independent Co.	15007	expertise in a particular application, to explore a topic in greater detail, or to
Public, Protective, and Government Service—Independent Study	15997	develop more advanced skills.