SLO REPORT JUNE 7, 2012

1	ACR 101	Air Conditioning and Refrigeration Systems	1. Perform a standing pressure test on a vessel using dry nitrogen. (ILO1,ILO2,ILO3,ILO4,ILO5)
			2. Make connections with copper tubing using both low-temperature solder and high-temperature brazing material. (ILO1, ILO2, ILO3,ILO4)
			3. Perform a deep vacuum test using a high-quality vacuum pump and an electronic vacuum gage. (ILO1,ILO2,ILO3,IL04)
2	ACR 102	Residential Air Conditioning Systems	1. Take wet-blub and dry-blub temperature readings, determine relative humidity from the psychrometric chart, and use this information to determine the level of confort from the ASHREA generalized comfort chart. (ILO2, ILO3, ILO4, ILO5)
			2. To identify and describe various components in a typical air-conditioning system. (IL01, ILO2, IL03, ILO4, ILO5)
			3. Check out components of an air-conditioning system for an orderly system start-up, one component at a time, and check each one to insure that it is operating correctly. (ILO1,IL02,IL03,IL04)
3	ACR 103	Air Conditioning Electrical Circuits and Controls	1. Make current, voltage, and resistance readings. You will also determine the current, voltage, and resistance of a circuit using Ohm's Law.(IL02,IL03,IL04,IL05)
			2. Follow the circuit in a typical electric air-conditioning system and check the amperage in a low-voltage circuit.(IL02,IL03,IL05)
			3. Make voltage and amperage readings on actual operating equipment using a VOM. You will be able to do this under the supervision of your instructor.(IL02,IL03,IL04,IL05)
4	ACR 104	Air Conditioning Heating Systems	1. troubleshoot and electrical problem with the changing from cool to heat. (ILO1, ILO2, ILO3, ILO4)
			2. be familiar with the components in an electric heating system and will be able to list the specifications for these components. (ILO1, ILO2, ILO3, ILO4)
			3. identify and describe the typical components in an air-to-air heat pump system. (ILO1, ILO2, ILO3, ILO4)
5	ACR 105	Heat Load Calculation & Measurements	1. use a duct chart to evaluate the duct size on a simple residential or commercial duct system for adequate airflow in heating or cooling cycles. (ILO2,ILO3,IL04)
			2. use basic airflow measuring instruments to measure airflow from registers and grilles.(ILO2,ILO3,ILO4)
6	ACR 106	Air Conditioning Ventilation Duct Systems	1. cut and form a simple layout pattern for a galvanized sheet metal air conditioning square air duct.(ILO1, ILO2, ILO3, ILO4)
			2. cut and form a simple layout pattern for a galvanized sheet metal air conditioning S Offsets air duct.(ILO1, ILO2, ILO3, ILO4)
			3. cut and form a simple layout pattern for a galvanized sheet metal air conditioning Square-to-Rounds air duct.(ILO1, ILO2, ILO3, ILO4)
7	ADS 101	Alcoholism, Intervention, Treatment & Recovery	1. Develop an alcohol intervention using information and assessment skills. (ILO1, ILO2, ILO3, ILO5)
			2. Choose an intervention team. (ILO1, ILO2, ILO3)
			3. Conduct a mock intervention. (ILO1, ILO2, ILO3)
8	ADS 110	Physiological Effects of Alcohol and Drugs	1. Identify uppers, downers, and all a-rounders, and identify the physiological effect on body and mind. (ILO1, ILO2, ILO3)
			2. Identify cultural differences in alcohol and drug use and treatment modalities appropriate to culture and environment. (ILO1, ILO2, ILO3, ILO5)
			3. Identify post-acute withdrawal symptoms for addicts as well as family members. (IlO1, ILO2, ILO3, ILO5)
9	ADS 120	Introduction to Counseling	1. Present active listening skills using body language and empathetic paraphrasing. (ILO1, ILO2,
			2. Demonstrate advanced cognitive behavioral therapy techniques. (ILO1, ILO2, ILO3)
			3. Research a counseling theory and present material in class. (ILO1, ILO2, ILO3, ILO4, ILO5)
10	ADS 130	Group Leadership and Group Process	1. Identify group need. (ILO2, ILO3)
			2. Select and advertise a type of group. (ILO1, ILO2, ILO3)
			3. Prepare confidentiality forms. (ILO1, ILO2, ILO3)
			4. Prepare ground rules for group participation. (ILO1, ILO2, ILO3, ILO5)
11	ADS 150	Sociology of Minority Groups	1. Discuss & Critique various cultural differences and the concepts of social norms from a relativistic standpoint. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Compare & contrast various cultural values and apply an ethnomethodological bias in order to gain a well informed cultural competency. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Identify and demonstrate an understanding of the major sociological perspectives in regards to minority groups. (ILO1, ILO2, ILO3, ILO5)
12	ADS 176	Sex and Gambling Addiction	1. Provide training in application of therapeutic models and early intervention for non-substance related addictions. (ILO1, ILO2, ILO3, ILO5)
13	ADS 177	Anger Management	1. Identify communication style and reframe communication. (ILO1, ILO2, ILO3)

14	ADS 178	Life Skills	1. Identify areas of life skills such as relapse prevention and prepare a relapse prevention plan. (ILO1, ILO2, ILO3, ILO5)
15	ADS 200	Family Counseling Approaches to Alcohol and Drug Abuse	1. Develop a family recovery group plan. (ILO1, ILO2, ILO3)
			2. Lead a family group. (ILO1, ILO2, ILO3)
			3. Prepare an addiction recovery resource list. (ILO1, ILO3)
16	ADS 210	Crisis Intervention and Referral Techniques	1. Develop and provide brief crisis counseling. (ILO1, ILO2, ILO3, ILO5)
			2. Make appropriate referrals. (ILO1, ILO2, ILO3, ILO5)
			3. Perform a five-point suicide assessment. (ILO1, ILO2, ILO3)
17	ADS 220	Practicum	1. Develop field placement activity. (ILO1, ILO2, ILO3)
			2. Participate in field placement activity. (ILO1, ILO3)
			3. Understand responsibilities of fieldwork. (ILO1, ILO2, ILO3)
18	ADS 221	Practicum	1. Develop field placement activity. (ILO1, ILO2, ILO3)
			2. Participate in field placement activity. (ILO1, ILO3)
			3. Understand responsibilities of fieldwork. (ILO1, ILO2, ILO3)
19	ADS 230	Alcohol and Drug Prevention and Education	1. Identify effective prevention approaches. (ILO2, ILO5)
			2. Identify the benefits of information dissemination. (ILO1, ILO2, ILO4)
			3. Recognize advantages of education and prevention strategies. (ILO1, ILO2, ILO5)
20	AG 080	Pesticide Safety	1. demonstrate comprehension of chemical product use via label and MSDS sheet published. (ILO1, ILO2 & ILO4)
21	AG 110	Environmental Science	1. identify an important issue in environmental science, conduct research via literature review, interviews with experts, and/or hands-on projects, and document the information sources by citing references parenthetically within a research paper and listing them at the end, using a standard documentation style, such as MLA. (ILO4)
			2. use ecosystems thinking to design and create a visual representation of a sustainable human settlement which functions on ecosystem principles and fulfills the ethic of caring for the earth and caring for the people. (ILO5)
			3. identify an important issue in environmental science, conduct research on it via literature review, interviews with experts, and/or hands-on projects, and clearly communicate the content learned by writing a research paper and/or giving a presentation to the class. (ILO1)
22	AG 120	Soil Science	1. Identify soil crop compatibility via research and reporting information obtained from lecture, journal study and text materials in either a written or verbal manner by assigned completion date (ILO1, ILO2, ILO3, ILO4).
			2. Conduct lab analysis using prescribed protocols on known samples to derive accurate & repeatable results that are reported in a useful format (ILO1, ILO2, ILO3, ILO4).
			3. Develop an accurate and useful recommendation for soil application or amendment for desired crop production within a reasonable soil/crop interaction (ILO1, ILO2, ILO4).
23	AG 130	Agricultural Economics	1. Analyze economic trends as they apply to US and world production. (ILO2, ILO3, ILO4, & ILO5)
			2. Develop production plan alternatives & communicate rationale. (ILO1 & ILO2)
			3. Identify interrelationships of local, national & world influences on agriculture production. (ILO2)
24	AG 132	Business Management	1. Successfully conclude a negotiation. (ILO1, ILO2, ILO3, ILO5)
			2. Demonstarate an ability to productively work as a team member with people of diverse experiences and backgrounds by exchanging ideas and viewpoints with other team members to develop a united position for negotiating a solution to a common business problem as posed in a negotiation scenario. (ILO1, ILO2, ILO3, ILO5)
			3. Identify and define the four functions of management and describe how each element applies to managers in a typical business environment (ILO1, ILO2, ILO3, ILO5)
			4. Identify and define the steps of the managerial decision-making process and follow the steps to make a decision in a simulated business case. (ILO1, ILO2, ILO3, ILO5)
25	AG 134	Agricultural Business Organization	1. Identify and explain the small business enterprise including types of ownership, production, marketing and sales (ILO1, ILO2, ILO4).
			2. Demonstrate knowledge of business management including management of personnel and identify opportunities for employment in management (ILO1, ILO2, ILO4).
			3. Discover and recognize the relationship between labor and management (ILO2, ILO4).
26	AG 136	Ag Sales and Svs Management	1. Analyze marketing, service and production trends as they apply to US and world trade of agriculture. (ILO2, ILO3, ILO4, & ILO5)
			2. Develop marketing plan alternatives & communicate rationale. (ILO1 & ILO2)
			3. Identify interrelationships of local, national & world influences on agriculture markets. (ILO2)
27	AG 138	Computer Applications in Agriculture	1. Discuss the use and importance of GPS/GIS in the production of food and feed crops (ILO1, ILO2, ILO4).
			2. Read and interpret maps, identify key features and differences that would be expected to influence crop production (ILO2, ILO4).

			3. Demonstrate accurate use and repeatability of GPS equipment (ILO2, ILO4).
28	AG 140	Principles of Plant Science	1. Identify and discuss basic needs of plant crops found in Imperial County, California & major crop producing states in the US (ILO1, ILO2, ILO4).
			2. Accurately discuss and explain a crop rotation program as well as the benefits that are derived from that production system (ILO1, ILO2, ILO4).
			3. Identify and discuss major crop commodities grown in Imperial as well as the season that those crops are planted and harvested (ILO1, ILO2, ILO4).
			4. Identify and discuss basic pest avoidance procedures for commonly grown crops in the Imperial Valley (ILO1, ILO2, ILO4).
29	AG 160	Food & Fiber in a Changing World	1. Identify and discuss disproportion of food/feed/fiber production relative to human population growth centers (ILO1, ILO2, ILO4, ILO5).
			2. Identify and discuss technical and biological advancements in the production of food/feed/fiber commodities (ILO1, ILO2, ILO4).
			3. Identify alternative products/crops/commodities that may augment or replace existing crops to provide for human need (ILO1, ILO2, ILO4, ILO5).
30	AG 170	Principles of Entomology	1. Identify, link and report common pests to the crop and type of damage (ILO1, ILO2, ILO4).
			2. Prepare mounted specimens and label according to discipline protocol (ILO1, ILO2, ILO4).
			3. Identify and discuss interrelations between host crop, pest insect & beneficial insects (ILO1, ILO2, ILO4).
31	AG 220	Irrigation and Drainage	1. Discuss various irrigation systems and benefits/compromises of each system based on a given crop system/soil type/geographic condition (ILO1, ILO2, ILO3, ILO4).
			2. Discuss irrigation system and design as it influences plant nutrient application and utilization (ILO1, ILO2, ILO4).
			3. Plan out and defend schedule for irrigation of a given crop over the life cycle based on system type, soil type and season of growth (ILO2, ILO4).
32	AG 230	Fertilizers & Soil Amendments	1. Plan out and defend schedule for fertilization of a given crop over the life cycle based on system soil type, stage and season of growth (ILO2, ILO4).
			2. Discuss fertilization system and design as it influences plant nutrient uptake and utilization (ILO1, ILO2, ILO4).
			3. Discuss various fertilization systems and benefits/compromises of each system based on a given crop system/soil type/geographic condition (ILO1, ILO2, ILO3, ILO4).
33	AG 240	Field and Cereal Crops	1. Identify and discuss biotechnical advancements in the production of field & cereal crops (ILO1, ILO2, ILO4).
			2. Identify and discuss trends that influence cereal production here and abroad (ILO1, ILO2, ILO4, ILO5).
			3. Identify and discuss field and cereal crops relevant to the Imperial Valley, California and the USofA (ILO1, ILO2, ILO4).
			4. Identify and discuss basic nutrition comparison to corn for crops grown in the Imperial Valley (ILO1, ILO2 & ILO4).
34	AG 250	Vegetable Crop Production	1. Identify and discuss biotechnical advancements in the production of vegetable crops (ILO1, ILO2, ILO4).
			2. Identify and discuss trends that influence vegetable production here and abroad (ILO1, ILO2, ILO4, ILO5).
			3. Identify and discuss vegetable crops relevant to the Imperial Valley, California and the USofA (ILO1, ILO2, ILO4).
35	AG 260	Plant Protection and Integrated Pest Management	1. Identify and discuss biotechnical advancements in the protection of crops (ILO1, ILO2, ILO4).
			2. Identify and discuss trends that influence crop production in regard to pest management here and abroad (ILO1, ILO2, ILO4, ILO5).
			3. Identify and discuss basic needs of plant crops found in Imperial County, California & major crop producing states in the US & how they impact pest management & crop health (ILO1, ILO2, ILO4).
36	AG 270	Weeds and Weed Control	1. Identify and discuss biotechnical advancements in the control weeds (ILO1, ILO2, ILO4).
			2. Identify and discuss trends that influence weed management here and abroad (ILO1, ILO2, ILO4, ILO5).
			3. Identify and discuss common weed species and integrated systems of control here and abroad (ILO1, ILO2, ILO4, ILO5).
37	AGET 075	Basic Shop Skills	1. Identify and locate the most important parts of a vehicle. (ILO1, ILO4)
			2. Identify common automotive handtools. (ILO1, ILO3, ILO4)
			3. Select the right tool for a given job. (ILO1, ILO3, ILO4)
38	AHP 060	Health Assistant	1. Demonstrate proper body mechanics while moving, turning, and ambulating a patient. (ILO 1, 3, 4)
			2. Demonstrate proper handwashing technique to prevent spread of infection. (ILO 3, 4, 5)

			3. Take and accurately record blood pressure, pulse, and temperature on a child and adult. (ILO 2)
			4. Identify two key patients rights. (ILO2, ILO3)
			5. Identify a diet for a long term care diabetic. (ILO2, ILO3)
39	AHP 062	Home Health Aide	1. Describe the common observations and documentation by the Home Health Aide. (ILO 1,2, 3, 4)
			2. Describe the role and reponsiblities of the certified Home Health Aide and how it differs from the CNA (ILO 1, 2, 3, 4, 5)
40	AHP 070	Administratvie Medical Assistant I	1. identify elements of professionalism and courtsey in a telephone conversation with a client. (ILO 1, ILO 2, ILO 3)
			2. describe record managment in a medical office and role of HIPAA regulations (ILO 2, ILO 3, ILO 5)
			3. describe the best practice for processing a patient in the ambulatory clinic or office setting. (ILO 2, ILO 3, ILO 5)
			4. identify elements of appointment control and confidentiality in the medical office setting. (ILO 2, ILO 3)
41	AHP 072	Administrative Medical Assistant II	1. describe the role of the Medical Assistant in the preparation and maintenance of a medical record. (ILO 2, ILO 3)
			2. identify the laws and/or regulations related to bookkeeping, billing, and collection in a medical office. (ILO 2, ILO 3, ILO 4)
			3. identify the typical office equipment and the most efficent use of the machines. (ILO 2, ILO 3)
			4. identify key elements to ensure effective and efficient medical office managment. (ILO 2, ILO 3)
42	AHP 074	Clinical Externship I	1. demonstrate the ability to set appointments, maintain medical records, prepare billing and/or insurance documents, and collect overdue accounts utilizing phone, computer, and interpersonal skills in a medical office setting. (ILO 1, 2, 3)
			2. describe proper office emergency procedures, when to implement the procedures, and if any legal aspects may be applied. (ILO 1, ILO 2, ILO 3)
43	AHP 080	Specimen Collection & Lab Procedures	1. identify regulations related to blood withdrawal and disposale of used lab equipment. (ILO 2, ILO 4)
			2. describe appropriate steps for obtaining specimens via capillary and venous sampling. (ILO 2, ILO 3)
			3. demonstrate correct utilization of lab microscope and other lab equipment. (ILO 2, ILO 3)
44	AHP 082	Exam Room Procedures	1. demonstrate preparation of patient and room for an examination or treatment by a physician. (ILO 2, ILO 3)
			2. demonstrate telephone and live screening and follow-up with patient lab results. (ILO 1, ILO 2, ILO 3)
			3. perform selected tests that assist with diagnosis and treatment using quality control and infection control measures. (ILO 2, ILO 3, ILO 4)
45	AHP 084	Pharmacology and Administration of Medications	1. demonstrate legal and ethical knowledge related to medication administration in the medical office. (ILO 2, ILO 3)
			2. demonstrate appropriate administration of medication by 3 separate routes. (ILO 2, ILO 3)
			3. identify warning signs of a pending allergic or anaphylactic response. (ILO 2, ILO 3)
46	AHP 086	Clinical Externship II	1. explain the process to renew a physician’s narcotic license for a medical office or ambulatory clinic. (ILO 2, ILO 3, ILO 4)
			2. demonstrate interviewing techniques to obtain a patient history, chief complaint, and list of medications and dosage. (ILO 1, ILO 2, ILO 4)
47	AHP 090	Introduction to Health Science	1. identify three health-care careers, their educational and licensing requirements, and their role responsibilities.
			2. identify potential ethical and/or legal issues that confront health-care professionals in today's world.
48	AHP 100	Medical Terminology	1. build many medical words from Greek and Latin prefixes, suffixes, word roots, and combining forms. (ILO1, ILO2)
			2. define medical words by analyzing Greek and Latin parts. (ILO1, ILO2)
			3. spell medical words correctly. (ILO1, ILO2)
			4. recall acceptable medical abbreviations that represents phrases and terms. (ILO1, ILO2)
49	AHP 102	Medical Insurance	1. demonstrate completion of insurance forms for a variety of insurance carriers including; universal claim from workers compensation, Medical Medicare, Private Insurance Companies, HMO?s and Dental forms. (ILO 2, ILO 3, ILO 4)
			2. describe confidentiality relative to insurance billing, HIPAA Regulations, and procedures for an audit (ILO 1, ILO 2, ILO 3)
			3. Demonstrate use of a CPT Code Book and critical elements for successful collection of insurance monies. (ILO 2, ILO 3)
50	AHP 108	Introduction to Pharmacy Technology	1. communicate the history of the pharmacy technician role using appropriate references. (ILO 4, ILO 5)

			2. discuss and report on the legal requirements regarding the pharmacy technician role. (ILO 1, ILO
51	AHP 120	Pharmacy Technician Body Systems I	1. correctly identify the drug classifications for a typical patient with respiratory diseases. (ILO2, ILO4)
			2. identify common medications used in the treatment of cardiovascular system conditions. (ILO2, ILO4)
			3. relate human body anatomy and physiology to conditions involving the immune system and related medications.(ILO 1, ILO 2)
52	AHP 125	Pharmacy Technician Body Systems II	1. correctly identify the drug classification, indication, and common side effect of medications used in the treatment of endocrine and/or gastrointestinal diseases or conditions. (ILO2, ILO4)
			2. identify the pathology of musculoskeletal conditions or diseases such as osteoporosis. (ILO 2, ILO 4, ILO 5)
			3. describe the chemical and electrical messaging/conduction through the nervous system and relationship to medications. (ILO 2, ILO 4, ILO 5)
53	AHP 130	Calculation & Pharmacology for Pharmacy Technicians	1. perform dimensional analysis (ILO 2, ILO 4)
			2. solve proportion and ratio problems as required in the pharmacy.(ILO 2, ILO 4)
			3. solve mixture and allegation problems that arise in a typical pharmacy(ILO 2, ILO 4)
54	AHP 140	Pharmacy Technician Operations	1. demonstrate safe medication distribution and identify patients that need to be counseled by a licensed pharmacist. (ILO1, ILO2, ILO3, ILO5)
			2. demonstrate medication compounding techniques. (ILO2, ILO3, ILO4, ILO5)
			3. demonstrate calculation and reasoning skills used in the preparation and compounding of medications. (ILO2, ILO3, ILO4, ILO5)
			4. demonstrate the inventory taking techniques and processes used in the pharmacy.(ILO2, ILO3, ILO4, ILO5)
			5. demonstrate ability to research and utilize reference materials for fact finding and reporting. (ILO1, ILO2, ILO4, ILO5)
55	AIS 106	Indians of North America	1. Identify and evaluate cultural and ethnic diversity among the various Native American groups; their geography and environment; prehistoric migration into the Americas. (ILO2, ILO3, ILO5)
			2. Describe Native American interaction with the environment and their management of natural resources. (ILO2, ILO3)
			3. Summarize similarities and differences of social institutions of the various Native American groups. (ILO2, ILO3)
			4. Identify and summarize European effect on Native American cultures. (ILO2, ILO3, ILO5)
56	AIS 108	Indians of the Southwest	1. Demonstrate a measurable understanding of the prehistory of the American Southwest and its cultural development. (ILO2, ILO3)
			2. Summarize cultural diversity of customs and traditions, languages, religious beliefs and rituals, as well as social organization of Native Americans of the Southwest. (ILO2, ILO3, ILO5)
			3. Summarize the differences and similarities of the Spanish, Mexican, and American political programs dealing with the acculturation of Native Americans. (ILO2, ILO3, ILO5)
			4. Describe the influence of the Spanish Mission system on the religious and social structure of Native Americans. (ILO2, ILO3, ILO5)
57	AJ 100	Introduction to the Administration of Justice	1. Identify the Objectives of the Justice System and the Role of Criminal Justice Personnel. (ILO4, ILO5)
			2. Describe the Laws of Arrest including Felonies and Misdemeanors. (ILO1, ILO2, ILO3, ILO4)
			3. Identify the Roles, History and Organization of Law Enforcement in the U.S. (ILO4, ILO5)
58	AJ 102	Concepts of Criminal Law	1. Identify the diffence between criminal law and civil law. (ILO1, ILO2, ILO4)
			2. Identify liability and how liability is determined. (ILO1, ILO2, ILO4, ILO5)
			3. Demonstrate understanding of various crime groups to include: Crimes against People, Crimes against Property, and Crimes against the Government. (ILO1, ILO2, ILO4)
59	AJ 104	Legal Aspects of Evidence	1. Describe the historical development and the constitutionality of the rules of evidence and how it ties into the criminal justice system. (ILO1, ILO2, ILO4, ILO5)
			2. Explain and identify the procedural rules and constitutionality for arrest, search and seizure. (ILO1, ILO2, ILO4, ILO5)
			3. Define hearsay, rules of admissibility, and understand the exceptions to the Hearsay Rule. (ILO2, ILO4, ILO5)
			4. Critique and argue the different requirements and responsibilities of law and expert witnesses and how it differentiates from other legal systems in the world. (ILO1, ILO2, ILO4, ILO5)
60	AJ 106	Principles & Procedures of the Justice System	1. Demonstrate an understanding of the U.S. Constitution and Amendments, especially those pertaining to the Justice System. (ILO1, ILO2, ILO4)
			2. Demonstrate an understanding of the U.S. Criminal Justice System, to include: Law Enforcement, Court System, and Correctional System. (ILO1, ILO2, ILO4)

			3. Demonstrate and understanding of trial procedure to include: Testimony of Witnesses, Presentation of Evidence, and Presumption of Innocence. (ILO1, ILO2, ILO4)
61	AJ 108	Public Safety Report Writing	1. Identify the importance of honesty and truthfulness in gathering information and documenting that information for possible future prosecution. (ILO1, ILO2, ILO3)
			2. Recognize the importance of gathering information through Interviewing and Note-taking for inclusion in criminal reports and use in a court of law. (ILO1, ILO2, ILO3, ILO4)
			3. Identify and distinguish facts, information and statements into a logical and understandable format that fulfills the legal requirements of a lawful arrest and applicable procedures for both misdemeanor and felony arrests. (ILO1, ILO2, ILO3, ILO4, ILO5)
62	AJ 110	Law Enforcement Community Relations	1. Identify the various components of a normal law enforcement organization. (ILO4, ILO5)
			2. Identify the various groups within the community that effect the way in which law enforcement is perceived. (ILO2, ILO4, ILO5)
			3. Identify methods that can be used to improve upon the image and performace of law enforcement within the communities they operate. (ILO1, ILO2, ILO4)
63	AJ 121	Law Enforcement Field Operations	1. Describe the history of law enforcement patrol. (ILO4, ILO5)
			2. Identify the various components of patrol and the function of each. (ILO1, ILO2, ILO4)
			3. Identify commonly used equipment of law enforcement patrol units including: weapons, vehicles, technology, etc. (ILO1, ILO2, ILO3, ILO4, ILO5)
64	AJ 141	Arrest and Firearms	1. Understand Constitutional protections afforded to everyone in the Unites States. (ILO4)
			2. Understand basic laws and the enforcement of those laws in a fair and ethical manner. (ILO2, ILO3, ILO4, ILO5)
			3. Understand Laws of Arrest and the Use of Force to apprehend/detain suspects under investigation. (ILO2, ILO4)
			4. Identify the various parts to ammunition and firearms, as well as demonstrate proficiency in the use of firearms. (ILO2, ILO4, ILO5)
			5. Demonstrate the techniques required to place a suspect under arrest, and to defend yourself if attacked. (ILO1, ILO2, ILO3)
65	AJ 160	Regular Basic Course Modular Format Level III	1. Demonstrate approved defense and control techniques as established by P.O.S.T. (IL01, IL02,
			2. Demonstrate proficiency with departmentally approved firearm, including: nominclature, range safety, loading, unloading, aiming, acurracy and trigger manipulation. (IL02, IL03, IL05)
			3. Demonstrate understanding in the areas of Criminal Justice System. (IL01, IL04)
			4. Demonstrate understanding in the area of Criminal Law. (IL01, IL04)
			5. Demonstrate understanding in the area of Laws of Arrest. (IL01, IL04)
			6. Demonstrate understanding in the area of Search and Seizure. (IL01, IL04, IL05)
			7. Demonstrate understanding in the area of Vehicle Operations. (IL02, IL03, IL05)
			8. Demonstrate understanding in the area of Custody. (IL02, IL04, IL05)
			9. Demonstrate understanding in the area of First Aid & CPR. (IL02, IL03, IL05)
			10. Demonstrate understanding in the area of Law Enforcement Information Systems. (IL02, IL04, IL05)
66	AJ 162	Regular Basic Course Modular Format Level II	1. demonstrate approved defense and control techniques as established by P.O.S.T. (ISL02, ISL03, ISL04, ISL05)
			2. demonstrate proficiency with departmental approved firearm, including: nomenclature, range safety, loading, unloading, aiming, accuracy and trigger manipulation. ISL02, ISL03, ISL04, ISL05)
			3. demonstrate knowledge and understanding of the role of law enforcement in the policing of the community. (ISL02, ISL04, ISL05)
			4. demonstrate knowledge and understanding in the area of Property Crime. (ISL02, ISL04)
			5. demonstrate knowledge and understanding in the area of Crimes against Persons and Death Investigations. (ISL02, ISL04)
			6. demonstrate knowledge and understanding in the area of General Criminal Statues. (ISL02, ISL04)
			7. demonstrate knowledge and understanding in the area of Laws of Arrest. (ISL01, ISL04, ISL05)
			8. demonstrate knowledge and understanding in the area of Search and Seizure. (ISL01, ISL04,
			9. demonstrate knowledge and understanding in the area of Use of Force. (ISL01, ISL04, ISL05)
			10. demonstrate knowledge and understanding in the area of Crimes against the Justice System. (ISL01, ISL04, ISL05)
			11. demonstrate proper grooming standards in accordance with accepted agency policies. (ISL03)
			12. demonstrate understanding of importance of dedication to duty and conformance with attendance policies set forth by P.O.S.T. (ISL02, ISL03, ISL05)
			13. demonstrate understanding of Leadership and Accountability as set forth by P.O.S.T. (ISL01, ISL02, ISL03, ISL05)
			14. demonstrate understanding of Officer Safety and Citizen Contacts during Routine and High Risk Traffic Stops as set for by P.O.S.T. (ISL01, ISL02, ISL03, ISL05)

67	AJ 222	Criminal Investigation	1. Describe the basic aspects of a criminal investigation. (ILO4, ILO5)
			2. Identify the legal requirements necessary for a successful prosecution as a result of a completed criminal investigation. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Identify sources of information and methods for obtaining information from these sources. (ILO1, ILO2, ILO3, ILO4, ILO5)
68	AJ 223	Juvenile Control	1. Identify the Juvenile Justice process. (ILO4, ILO5)
			2. Explain the history of the Juvenile Justice System. (ILO1, ILO2, ILO4)
			3. Explain the process of emancipation. (ILO1, ILO2, ILO3, ILO4, ILO5)
69	AJ 224	Criminology	1. Identify criminal behavior. (ILO1, ILO2, ILO4, ILO5)
			2. Describe the various types of methods used to measure criminal activity. (ILO1, ILO2, ILO4, ILO5)
			3. Identify common theories regarding criminal behavior and pathology. (ILO1, ILO2, ILO3, ILO4, ILO5)
70	AMSL 100	American Sign Language 1	1. Initiate and participate in a basic conversation in ASL. [ILO1]
			2. Differentiate between basic similar signs. [ILO1,ILO2]
			3. Recognize basic differences between simple ASL and English sentence structures. [ILO1, ILO2]
			4. Identify basic differences between Deaf and Hearing cultures. [ILO2, ILO5]
71	AMSL 102	American Sign Language 2	1. Express simple personal experiences and opinions using ASL. (ILO1)
			2. Distinguish the correct facial grammar for six basic sentence types, recognizing the type of sentence that is being produced. (ILO1, ILO2)
			3. Convert simple written English sentences to grammatically correct ASL sentences. (ILO1, ILO2)
			4. Identify some historical features and developments in American Deaf culture. (ILO2, ILO5)
72	AMSL 104	Fingerspelling and Numbers	1. Recognize and produce fingerspelled words at an intermediate-advanced pace, with a reference category given. (ILO1, ILO2)
			2. Differentiate between different number patterns that indicate different uses of numbers (cardinal v ordinal, emphatic v ordinary, approximate v exact). (ILO1, ILO2, ILO5)
			3. Recognize and produce fingerspelled loan signs at an intermediate pace.(ILO1)
73	AMSL 110	Introduction to Deaf Culture	1. Identify American Deaf cultural values and perspectives. [ILO2, ILO5]
			2. Distinguish between pathological and cultural perspectives of deafness. [ILO2, ILO5]
			3. Describe ASL's linguistic status and its importance to the American Deaf community, [ILO1, ILO2, ILO5]
74	AMSL 112	Interpreting as a Profession	1. Compile a personal profile relating to interpreting. [ILO2,ILO3]
			2. Apply professional interpreting ethics to given scenarios, explaining course of action chosen. [ILO1, ILO2, ILO3]
			3. Analyze the importance of cross-cultural dynamics in the interpreting profession. [ILO2, ILO3, ILO5]
75	AMSL 200	American Sign Language 3	1. Represent visual information using correct ASL structures. [ILO1, ILO3]
			2. Identify the correct facial grammar for a given description. [ILO1,ILO2]
			3. Distinguish between different types of spatial structures essential to ASL. [ILO1,ILO2]
76	AMSL 202	American Sign Language 4	1. Incorporate a variety of ASL spatial structure correctly into narrations. [ILO1]
			2. Narrate personal stories involving multiple people and events in an ASL manner. [ILO1,ILO2]
			3. Examine ASL literary devices and American Deaf humor. [ILO1, ILO2, ILO5]
77	AMSL 204	American Sign Language 5	1. Narrate personal stories following ASL narrative structure. [ILO1, ILO2]
			2. Display understanding of basic ASL fictional storytelling techniques. [ILO1,ILO2]
			3. Identify new ASL vocabulary and idioms for a variety of everyday topics. [ILO1, ILO2, ILO5]
78	AMSL 210	Interpreting American Sign Language 1	1. Identify the difference between a transliterated language sample and an interpreted language sample, and identify specific structures to make a linguistic and cultural accomodation for each consumer in the samples. (ILO1, ILO2, ILO5)
			2. Correctly produce an unrehearsed simultaneous transliteration of an educational scenario, with no technical vocabulary and at a beginning pace. (ILO1, ILO2)
			3. Correctly produce a consecutive interpretation of material with little technical vocabulary. (ILO1, ILO2)
79	AMSL 212	Interpreting American Sign Language 2	1. Accurately produce an unrehearsed simultaneous transliteration of an educational scenario, with some technical vocabulary, at an intermediate pace.(ILO1, ILO2, ILO4)
			2. Accurately produce an unrehearsed simultaneous interpretation of an educational scenario, with no technical vocabulary, at a beginning pace. (ILO1, ILO2, ILO4, ILO5)
			3. Identify potential cultural conflicts and ethical challenges in an interpreting scenario, and express his/her choice of action, in ASL.(ILO1,ILO2,ILO4, ILO5)
80	ANTH 100	Physical Anthropology	1. Define the main goals and aims of physical anthropology. (ILO 2)
			2. Demonstrate a measurable understanding of the Theory of Evolution by natural selection. (ILO 2, ILO 3, ILO 5)

			3. Illustrate a measurable understanding of Mendelian Inheritance Rules and biological variation based on the study of modern genetics. (ILO 2, ILO 3)
			4. Recognize anatomical changes in the evolutionary history of humankind based on the fossil record. (ILO 2, ILO 3)
			5. Explain biological and cultural diversity. (ILO 2, ILO 5)
81	ANTH 102	Cultural Anthropology	1. Define the main goals and aims of cultural anthropology. (ILO2, ILO5)
			2. Describe the holistic and comparative approach. (ILO2, ILO5)
			3. Explain the difference between ethnocentrism and cultural relativism. (ILO2, ILO5)
			4. Demonstrate an understand of global cultural diversity. (ILO2, ILO5)
82	ANTH 106	Indians of North America	1. Identify and evaluate cultural and ethnic diversity among the various Native American groups; their geography and environment; prehistoric migration into the Americas. (ILO2, ILO3, ILO5)
			2. Describe Native American interaction with the environment and their management of natural resources. (ILO2, ILO3)
			3. Summarize similarities and differences of social institutions of the various Native American groups. (ILO2, ILO3)
			4. Identify and summarize European effect on Native American cultures. (ILO2, ILO3, ILO5)
83	ANTH 108	Indians of the Southwest	1. Demonstrate a measurable understanding of the prehistory of the American Southwest and its cultural development. (ILO2, ILO3)
			2. Summarize cultural diversity of customs and traditions, languages, religious beliefs and rituals, as well as social organization of Native Americans of the Southwest. (ILO2, ILO3, ILO5)
			3. Summarize the differences and similarities of the Spanish, Mexican, and American political programs dealing with the acculturation of Native Americans. (ILO2, ILO3, ILO5)
			4. Describe the influence of the Spanish Mission system on the religious and social structure of Native Americans. (ILO2, ILO3, ILO5)
84	ANTH 120	Introduction to Archaeology	1. Define the main goals of anthropological archaeology. (ILO2)
			2. Describe the prehistoric past of humankind through the analysis of arcaheological sites and artifcats in space and time. (ILO2, ILO3)
			3. Identify and analyze how human cultures have changed over time and how the archaeological record substantiate cultural change. (ILO2, ILO3, ILO5)
			4. Describe the relevancy of archaeology today. (ILO5)
85	APEL 105	Electrician V	1. understand the handling and disposal of hazardous materials in the power utility industry. (ILO2, ILO3)
			2. troubleshoot and resolve power loss and outages. (ILO2, ILO3)
			3. understand the role of insulators and replacement techniques. (ILO2, ILO3)
			4. understand standard safety procedures appropriate to the power utility industry. (ILO2, ILO3, ILO4)
86	APEL 106	Electrician VI	1. identify and demonstrate practical uses of electrical distribution control equipment. (ILO2, ILO3)
			2. demonstrate proper action in course of a high voltage termination. (ILO2, ILO3)
			3. identify and resolve electrical problems within relays and transformers. (ILO2, ILO3)
			4. understand proper work safety in substations, switchyards, and in confined spaces (CPAT). (ILO2, ILO3)
87	APEL 107	Electrician VII	1. understand and deal appropriately with hazardous materials in the power utility industry. (ILO2, ILO3, ILO5)
			2. identify primary and secondary cable faults with radar and other technologies. (ILO2, ILO3)
			3. identify and resolve customer problems using proper customer service guidelines. (ILO2, ILO3)
			4. understand the use of system protection and monitoring equipment as used in the power utility industry. (ILO2, ILO3)
88	APEL 108	Electrician VIII	1. understand standard safety procedures appropriate to the power utility industry. (ILO2, ILO3)
			2. develop and conduct safety tailgate sessions. (ILO1, ILO2, ILO3)
			3. demonstrate a working knowledge of electricity; implementing residential, commercial, and industrial. (ILO2, ILO3, ILO5)
			4. implement and practice all construction safety standards required within the power utility industry. (ILO2, ILO3)
89	APGN 105	Generation Mechanic V	1. Understand and apply standard safety procedures appropriate to the power utility industry. (ILO2, ILO3)
			2. interface operating equipment with electronic/electrical/computer controls and instrumentation. (ILO2, ILO4)
			3. use acceptable standards to fabricate, assemble and disassemble power plant generation equipment and components. (ILO2, ILO3)
			4. identify and resolve generation problems by using troubleshooting techniques. (ILO2, ILO3)
90	APGN 106	Generation Mechanic VI	1. describe the principles of hardness testing. (ILO2, ILO3)

			2. utilize specialty tools, conduct precision measurements and perform quality welding. (ILO2, ILO3)
			3. identify specialty tools and stationary machines. (ILO2, ILO4)
			4. describe shield metal arc welding processes. (ILO2, ILO3)
91	APGN 107	Generation Mechanic VII	1. recognize and deal appropriately with hazardous materials in the power utility industry including use of chemicals to treat cooling water, ammonia and other types of gases. (ILO2, ILO4)
			2. understand troubleshooting techniques utilizing computerized alignment and applications to vibration monitoring. (ILO2, ILO4)
			3. explain different types of pumps and their application; identify pumping system and their components. (ILO2, ILO3)
			4. explain maintenance, repair and replacement of shafts, impeller, bearings and seals. (ILO2, ILO4)
92	APGN 108	Generation Mechanic VIII	1. explain gear ratio in relation to input and output speeds. (ILO2, ILO3)
			2. identify and troubleshoot the different types of gearboxes and their application. (ILO2, ILO4)
			3. calculate and set backlash. (ILO2, ILO3)
			4. identify types of gears and interpret blue pattern on gears. (ILO2, ILO3, ILO4)
93	APHY 105	Hydro Operator V	1. become familiar with safety procedures and hazardous materials management as well as with standard construction practices related to the power industry. (ILO2, ILO3)
			2. describe the hydro power generation principle and major components, AC electrical power theory, as well as transmission and distribution systems basic components and operation. (ILO1,
			3. explain interaction between generating unit components, pond level, flow, spillways, generator and sub-station with emphasis on safe power production optimization. (ILO1, ILO2)
			4. demonstrate ability to resolve basic electricity mathematical problems related to AC three phase circuits. (ILO2, ILO3)
94	APHY 106	Hydro Operator VI	1. become familiar with safety procedures and related equipment, hazardous materials control and disposal, and comply with CPAT certification requirements. (ILO2, ILO3)
			2. describe the different types of hydro power generating turbines, their operating principle and controls devices. (ILO1, ILO2, ILO3)
			3. explain turbine hydraulic governor system operation including: different pump types, actuators, control valves, speed sensing and settings. (ILO2, ILO3)
			4. demonstrate proficiency in relating problems and parameters associated with turbine controls to turbine performance during speed no load control. (ILO2, ILO4)
95	APHY 107	Hydro Operator VII	1. become familiar with safety regulations and personal protective equipment related to live electrical conductor exposure and arc flash protection. Hazardous materials control and disposal including asbestos materials. (ILO2, ILO3)
			2. describe the different types of hydro power generators construction, identifying components including: frame, polar wheel, stator windings, slip rings, voltage regulator, bearings and cooling system components. (ILO1, ILO2, ILO3)
			3. explain hydro generator related processes: excitation, grid synchronization, load and reactive power controls, generator protections up to include electrical and mechanical instrumentation. (ILO1, ILO2)
			4. demonstrate proficiency in monitoring and relating problems and parameters associated with generator controls during start up and under operation. (ILO2, ILO3)
96	APHY 108	Hydro Operator VIII	1. understand tailgate safety sessions, CIPS awareness training, IID?s procedures for hazardous waste and Electrical Shock training. (ILO2, ILO3)
			2. identify hydro plant operation auxiliary systems and their components including: Plant air system, cooling water, bearing water, lubrication, oil conditioning and distribution and station services power supply. (ILO2, ILO3)
			3. correlate normal parameters, operation and effect of plant auxiliary systems conditions to generating unit operation. (ILO2, ILO3)
			4. demonstrate proficiency in properly executing sub-station switching, identifying plant station services circuits and lock out-tag out procedures, battery bank and battery charger monitoring. (ILO2, ILO3)
97	APIN 105	Instrument Technician V	1. understand electrical drawings and electrical circuits. (ILO2, ILO3)
			2. understand electrical controls, electric circuits, servos. (ILO2, ILO3)
			3. understand electronic process controls and digital electronic controls. (ILO2, ILO3)
			4. understand pneumatic controls and hydraulic controls. (ILO2, ILO3)
98	APIN 106	Instrument Technician VI	1. understand electrical safety related to energized equipment. (ILO2, ILO3)
			2. understand substation and switchyard operation related to plant systems. (ILO2, ILO3)
			3. understand basic boiler and steam generator operation. (ILO2, ILO3)
			4. understand electrical terminations. (ILO2, ILO3)
99	APIN 107	Instrument Technician VII	1. understand programmable logic controllers and distributed control systems. (ILO2, ILO3)
			2. understand electronic, pneumatic, and hydraulic instrumentation. (ILO2, ILO3)

			3. troubleshoot industrial motor controls. (ILO2, ILO3)
			4. identify analog components. (ILO2)
100	APIN 108	Instrument Technician VIII	1. understand flue gas analysis, system measurement, and controls. (ILO2, ILO3)
			2. understand flow measurement and applications. (ILO2, ILO3)
			3. understand proximity, vibration, and accelerometer measurements. (ILO2, ILO3)
			4. understand linear and square root for valve control and flow control. (ILO2, ILO3)
101	APLN 105	Power Lineman V	1. recognize and deal appropriately with hazardous materials in the power utility industry. (ILO2, ILO3)
			2. identify, resolve, and troubleshoot power loss and outages. (ILO2, ILO3)
			3. understand the role of insulators and replacement techniques. (ILO2, ILO3)
			4. implement and maintain care of "hot stick" tools and the use of gloving techniques. (ILO2, ILO3)
102	APLN 106	Power Lineman VI	1. recognize and deal appropriately with hazardous materials in the power utility industry. (ILO2, ILO3)
			2. analyze, inspect, and test transformers. (ILO2, ILO3)
			3. analyze, inspect, and test circuit breakers. (ILO2, ILO3)
			4. analyze, inspect, and test relays. (ILO2, ILO3)
103	APLN 107	Power Lineman VII	1. recognize and deal appropriately with hazardous materials in the power utility industry. (ILO2, ILO3)
			2. identify and complete a commercial and residential connection. (ILO2, ILO3)
			3. identify and connect series and multiple circuit connections (street lighting). (ILO2, ILO3, ILO5)
			4. analyze, troubleshoot, and repair lighting and power loss. (ILO2, ILO3)
104	APLN 108	Power Lineman VIII	1. recognize and deal appropriately with hazardous materials in the power utility industry. (ILO2, ILO3)
			2. explain and demonstrate knowledge of overhead line construction and safety by applying the appropriate general orders and codes. (ILO1, ILO2, ILO3)
			3. analyze the feed and load characteristics of a circuit by using circuit mapping (maps). (ILO2, ILO3)
			4. identify and calculate power distributions by using voltage and capacitor applications. (ILO2,
105	APMT 105	Meter Technician V	1. understand metering mathematics, basic electricity, distribution transformers connections, service voltages and electric power. (ILO2, ILO4)
			2. understand distribution transformers connections, service voltages and electric power. (ILO1, ILO2)
			3. understand, analyze and obtain equations of electric power, single phase and three phase Delta/Wye services. (ILO2, ILO3)
			4. identify, differentiate, construct and troubleshoot electric power, transformer connections and voltage problems. (ILO1, ILO2)
106	APMT 106	Meter Technician VI	1. identify instrument transformers for metering (current and potential transformers), electric phasors, color code and principles of wiring, overhead and underground metering systems. (ILO2, ILO3)
			2. understand the effects of instrument transformers on substations and switchboards of electric power. (ILO2, ILO3)
			3. understand, analyze and obtain equations of instrument transformers ratios, rated factor, polarity, correction factors, and accuracy classes for metering. (ILO2, ILO3)
			4. identify, differentiate, construct and troubleshoot phasors of instrument transformers, verification of instrument transformer connections, testing instrument transformers. (ILO2, ILO3)
107	APMT 107	Meter Technician VII	1. identify forms and types of electric meters and principles of wiring electric meters. (ILO2, ILO3)
			2. understand the function and effects of electric meters units consumption, and demand (KWH, KW and KVARH) delivered and received energy. (ILO2, ILO3)
			3. understand the use of electric meters registration, accuracy classes for meters, demand KW, and power factor leading and lagging. (ILO2, ILO3)
			4. identify, differentiate, construct and troubleshoot meter registration problems, testing different type of meters in the Laboratory/Field delivered and received energy. (ILO2, ILO3)
108	APMT 108	Meter Technician VIII	1. understand programming and meter maintenance, and retrieve and analyze meter data. (ILO2, ILO3)
			2. understand the function of PC-PRO+ Advanced, and Alpha Plus programs. (ILO2, ILO3)
			3. understand and analyze the transactions of SAP based on consumption history report, device modification and CICO. (ILO2, ILO3)
			4. identify, differentiate, construct and troubleshoot software meter programs, TOU rates, and SAP transactions. (ILO2, ILO3)
109	APPL 105	Power Plant Operator V	1. explain the different types of energy used in a power plant. (ILO2, ILO4)
			2. explain energy transfer in the power plant cycle. (ILO2, ILO4)
			3. perform or simulate proper procedure for cold unit, hot unit startup and shutdown. (ILO2, ILO3)

			4. perform or simulate proper steps that must be taken during abnormal operations. (ILO2, ILO3)
110	APPL 106	Power Plant Operator VI	1. explain the basic concepts of heat transfer in heat recovery steam generator plant. (ILO1, ILO2)
			2. understand steam turbine systems through operation of steam turbine and associated equipment. (ILO2, ILO3)
			3. explain principles of control in modern heat recovery steam generators. (ILO1, ILO2)
			4. explain basic metallurgy properties and uses. (ILO1, ILO2)
111	APPL 107	Power Plant Operator VII	1. explain the different types of energy used in a gas turbine power plant. (ILO1, ILO2)
			2. explain and analyze causes of combustion system failure in gas turbine generators. (ILO2, ILO3)
			3. demonstrate proper procedures for cold unit, hot unit startup and shutdown. (ILO2, ILO4)
			4. explain principles of control in modern utility gas turbine generators. (ILO1, ILO2)
112	APPL 108	Power Plant Operator VIII	1. explain the different types of energy used in a fossil fuel electrical power generation plant. (ILO1, ILO2)
			2. explain energy transfer in the electrical power generation plant cycle. (ILO1, ILO2)
			3. explain and analyze causes of failure in fossil fuel electrical power generation plants. (ILO1, ILO2)
			4. explain principles of control in modern fossil fuel electrical power generation. (ILO1, ILO2)
113	APRL 105	Relays Technician V	1. implement and maintain care and testing of tools familiar to the power utility industry. (ILO2, ILO3)
			2. identify, resolve, and troubleshoot power-loss and outages. (ILO2, ILO3)
			3. identify and use, electrical diagrams/schematics and distribution systems. (ILO2, ILO3)
			4. identify and practice the use of electrical formulas applicable to capacitors, series and parallel AC circuits, alternating currents, three phase systems and laws of equation, as used in the power utility industry. (ILO2, ILO3)
114	APRL 106	Relays Technician VI	1. recognize and deal appropriately with hazardous materials in the power utility industry. (ILO2, ILO3)
			2. apply the principles of instrument transformers to monitor and identify problems. (ILO2, ILO3)
			3. install and maintain relays in substations. (ILO2, ILO3)
			4. provide relay maintenance to power transformers. (ILO2, ILO3)
115	APRL 107	Relays Technician VII	1. identify and resolve power outages and/or loss (troubleshoot) while switching. (ILO2, ILO3)
			2. test equipment for relay protection, including use of specialized electrical test equipment. (ILO2, ILO3)
			3. monitor system circuits and relays for system protection. (ILO2, ILO3)
			4. understand the National Electric/Telecomm Code as used in the power utility industry. (ILO2, ILO3)
116	APRL 108	Relays Technician VIII	1. develop and conduct tailgate safety sessions. (ILO1, ILO2, ILO3)
			2. test transformers and substation equipment for relay protection. (ILO2, ILO3)
			3. apply the principles of Trip, RAS, POTT, Pilot Wire and Direct Transfer Trip. (ILO2, ILO3)
			4. apply the principles of disaster recovery and use of emergency generators. (ILO2, ILO3, ILO5)
117	APSB 105	Substation-Electrician V	1. analyze, inspect, report and understand the basic principles of testing a transformer. (ILO1, ILO2, ILO4)
			2. analyze, inspect, report and understand the basic principles of testing a circuit breaker. (ILO1, ILO2, ILO4)
			3. analyze, inspect, report and understand the basic principles of testing a relay. (ILO1, ILO2, ILO4)
			4. analyze, inspect, report and understand the basic principles of testing a D/C battery system. (ILO1, ILO2, ILO4)
118	APSB 106	Substation-Electrician VI	1. understand their surrounding work area(s) that involve Distribution and Transmission services inside and outside a Electrical Substation. (ILO2, ILO3)
			2. analyze, inspect, report and understand the basic principles of construction, maintenance and testing a transformer. (ILO1, ILO2, ILO4)
			3. analyze, inspect, report and understand the basic principles of construction, maintenance and testing a circuit breaker. (ILO1, ILO2, ILO4)
			4. analyze, inspect, report and understand the basic principles of construction, maintenance and testing a relay. (ILO1, ILO2, ILO4)
119	APSB 107	Substation-Electrician VII	1. understand abatement strategies with hazardous materials in the power utility industry including an understanding of protocols for a HAZCOM program. (ILO2, ILO3)
			2. analyze, inspect, trouble-shoot and understand the basic principles of construction, maintenance and testing a circuit breaker. (ILO2, ILO3)
			3. analyze, inspect, trouble-shoot and understand the basic principles of construction, maintenance and testing a relay. (ILO2, ILO3)
			4. analyze, inspect, trouble-shoot and understand the basic principles of construction, maintenance and testing a D/C battery system. (ILO2, ILO3)

120	APSB 108	Substation-Electrician VIII	1. understand abatement strategies with hazardous materials in the power utility industry including an understanding of protocols for a HAZCOM program. (ILO2, ILO3)
			2. analyze, inspect, trouble-shoot and understand the basic principles of construction, maintenance and testing a circuit breaker. (ILO2, ILO3)
			3. analyze, inspect, trouble-shoot and understand the basic principles of construction, maintenance and testing a relay. (ILO2, ILO3)
			4. analyze, inspect, trouble-shoot and understand the basic principles of construction, maintenance and testing a D/C battery system. (ILO2, ILO3)
121	APSC 105	SCADA/Telecommunications Technician V	1. understand communication circuit types and speeds. (ILO2, ILO3)
			2. identify the different supervisory and data acquisition (SCADA) equipment, protocols and diagnostic tools. (ILO2, ILO3)
			3. understand the operation of the (SCADA) substation automation, networking, and data collection. (ILO2, ILO3)
122	APSC 106	SCADA/Telecommunications Technician VI	1. understand T1 multiplexers theory and principles of operation, test equipment, and diagnostic tools. (ILO2, ILO3)
			2. identify the different telephony systems, test equipment, and diagnostic tools. (ILO2, ILO3)
			3. understand fiber infrastructure wavelengths, types of fiber cable, proper handling, fiber splicing, text equipment, and diagnostic tools. (ILO2, ILO3)
123	APSC 107	SCADA/Telecommunications Technician VII	1. understand SONET (Synchronous Optical NETworks) basic theory, bandwidth, network management systems, test equipment, and diagnostic tools. (ILO2, ILO3)
			2. identify the different intertie metering equipment, theory, classes, test equipment, and diagnostic tools. (ILO2, ILO3)
			3. understand voice radio frequency RF theory, antenna types, radio frequency safety, test equipment, and diagnostic tools. (ILO2, ILO3)
124	APSC 108	SCADA/Telecommunications Technician VIII	1. understand microwave radio networks, frequency spectrum, antenna types, wave propagation, network management systems, test equipment, and diagnostic tools. (ILO2, ILO3)
			2. identify other safety practices and procedures such as requesting a line, protection communication circuit, meter outage, plus PPE requirements. (ILO2, ILO3)
			3. understand electronic security such as video surveillance, cameras and DVR's, and bandwidth requirements. (ILO2, ILO3)
125	APTL 105	Telecommunications Technician V	1. recognize communication circuit types & speeds. (ILO2, ILO3)
			2. understand supervisory control and data acquisition (SCADA. (ILO2, ILO3)
			3. understand SCADA substation automation. (ILO2, ILO3)
			4. understand modern protocol, human machine interface, and configuration/networking. (ILO2, ILO3)
126	APTL 106	Telecommunications Technician VI	1. understand the theory of multiplexing including the principles of operation and types of redundancy. (ILO2, ILO3)
			2. understand telephone system infrastructures/wiring color codes. (ILO2, ILO3)
			3. understand wavelengths and their characteristics, laser, LEDs; types of fiber optic single mode properties, and multimode properties. (ILO2, ILO3)
			4. understand the operation of test equipment - Power Meter and OTDR Testing, Troubleshooting & Verification. (ILO2, ILO3)
127	APTL 107	Telecommunications Technician VII	1. understand SONET (Synchronous Optical NET-works). (ILO2, ILO3)
			2. understand intertie metering including the use of test equipment and diagnostic tools including protocol test set, meter configuration software, WECO-20 meter test board and PowerMate meter test set. (ILO2, ILO3)
			3. understand antenna types and (VSWR) voltage standing wave ratio. (ILO2, ILO3)
			4. understand radio frequency safety; test equipment and diagnostic tools including RF monitor, power meter and spectrum analyzer. (ILO2, ILO3)
128	APTL 108	Telecommunications Technician VIII	1. understand microwave radio principles. (ILO2, ILO3)
			2. use test equipment and diagnostic tools to interpret microwave radio frequency safety. (ILO2, ILO3)
			3. understand substation work safety procedures including interpreting PPE requirements. (ILO2, ILO3)
			4. understand bandwidth requirements and availability of voice traffic/call detail recording. (ILO2, ILO3)
129	ARAB 100	Elementary Arabic	1. Apply common daily-life vocabulary in conversational situations such as greetings and introductions. (ILO1, ILO5)
			2. Identify and distinguish between Arab states, political systems and capitals. (ILO3, ILO5)
			3. Identify, pronounce and combine letters of the Arabic alphabet to create syllables and words. (ILO1)

			4. Identify and distinguish between formal and spoken Arabic. (ILO1, ILO5)
			5. Interpret main ideas in basic readings given in class. (ILO1, ILO2, ILO5)
130	ART 100	History & Appreciation of Art I	1. Identify famous works of art. (ILO1, ILO4, ILO5)
			2. Recognize diverse art styles. (ILO2, ILO4, ILO5)
			3. Appreciate the cultural and historical significance of famous works of art. (ILO4, ILO5)
131	ART 102	History & Appreciation of Art II	1. Describe works of art. (ILO1, ILO2)
			2. Analyze works of art. (ILO1, ILO2, ILO5)
			3. Interpret works of art. (ILO1, ILO2)
132	ART 104	History & Appreciation of Modern Art	1. Identify a work of art using appropriate terminology. (ILO1, ILO2, ILO5)
			2. Analyze a work of art using appropriate terminology. (ILO1, ILO2, ILO5)
			3. Describe a work of art using appropriate terminology. (ILO1, ILO2, ILO5)
133	ART 106	Women Artists	1. Identify famous works of art by women. (ILO2, ILO5)
			2. Recognize diverse art styles in relation to art by women. (ILO2, ILO4, ILO5)
			3. Appreciate the cultural and historical contribution of women artists. (ILO2, ILO5)
134	ART 110	Design	1. Choose and manipulate two-dimensional elements and principles of design to compose a visual solution to a given problem. (ILO2, ILO3, ILO5)
			2. Develop portfolio of designs. (ILO2, ILO3)
			3. Present, discuss and critique work in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
135	ART 112	Design	1. Choose and manipulate three-dimensional elements and principles of design to create a visual and functional solution to a given problem. (ILO2, ILO3, ILO5)
			2. Develop portfolio of three dimensional designs. (ILO2, ILO3, ILO5)
			3. Present, discuss and critique three dimensional designs in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
136	ART 120	Drawing I	1. Make self portrait drawing from a photograph in graphite using a distorted grid to transfer the image. (ILO2, ILO3)
			2. Identify and create types of line drawings: contour, gesture, blind contour, cross contour, hatched, cross hatched. (ILO2, IL03)
			3. Assemble a final portfolio with all work created during the semester. (ILO2, ILO3)
137	ART 122	Drawing II	1. Make a self portrait drawing using oil pastels and incorporating color theory in a coherent and meaningful way. (ILO2, ILO3, ILO4, ILO5)
			2. Present a final portfolio of all work created during the semester. (ILO2, ILO3)
			3. Complete an ink drawing using washes and line. (ILO2, ILO3, ILO4, ILO5)
138	ART 124	Painting I	1. Develop, create, and present portfolio of original still life and landscape paintings from observation and imaginative paintings that address content using multiple references. (ISLO1, ISLO2, ISLO3, ISLO5)
			2. Critique works of art. (ISLO1, ISLO3, ISO5)
			3. Write a descriptive essay about a work of art. (ISLO1, ISLO3, ISO5)
139	ART 126	Painting II	1. Develop, create, and present portfolio of original paintings addressing contemporary art issues in a coherent personal style. (ISLO1, ISLO2, ISLO3, ISLO5)
			2. Critique works of art. (ISO1, ISLO2, ISO3, ISLO4, ISLO5)
			3. Write a descriptive essay on a contemporary artwork. (ISLO1, ISLO3, ISO5)
140	ART 128	Watercolor Painting	1. Develop portfolio of watercolor paintings. (ILO2, ILO5)
			2. Present, discuss and critique watercolor paintings in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
			3. Describe a famous watercolor painting, analyze it, and interpret it in a 600-900 word essay. (ILO1, ILO2, ILO3, ILO5)
141	ART 130	Life Drawing	1. Develop a portfolio of figure drawings created from direct observation of a model. (ILO2, ILO3, ILO5)
			2. Present, discuss and critique work in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
			3. Create a charcoal drawing of a figure from observation in correct proportion, and sense of light and form. (ILO2, ILO3)
142	ART 140	Ceramics	1. Construct, and develop hand-built forms using coil construction. (ILO2, ILO3, ILO5)
			2. Construct and develop wheel-thrown cylinders using the six step process. (ILO2, ILO3, ILO5)
			3. Present, discuss and critique ceramic forms. (ILO1, ILO2, ILO3, ILO5)
143	ART 150	Beginning Sculpture	1. Construct and develop a sculpture made of paper using paper casting techiques. (ILO2, ILO5)
			2. Construct and develop a sculpture made of metal casting techniques. (ILO2, ILO5)
			3. Present, discuss and critique sculptures in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
144	ART 160	Graphic Design	1. Develop portfolio of graphic designs suitable for presentation for employment in the field or to a client for freelance work. (LO1, ILO2, ILO3, ILO5)
			2. Present, discuss and critique work in a coherent manner. (ILO1, ILO2, ILO5)
			3. Write a descriptive essay on a contemporary design. (ISLO1, ISLO3, ISO5)

145	ART 170	Photography - Beginning	1. Demonstrate understanding of composition, lens choice, and darkroom procedures using a manual camera (ILO2, ILO3, ILO5)
			2. Develop portfolio of photographs, properly mounted and presented. (ILO1, ILO2, ILO5)
			3. Present, discuss and critique photographs. (ILO1, ILO2, ILO3, ILO5)
146	ART 220	Drawing III	1. Complete a drawing from still life depicting form and light with accuracy using charcoal on paper. (ILO2, ILO3, ILO4, ILO5)
			2. Assemble a final portfolio of all work created during semester. (ILO2, ILO3, ILO4, ILO5)
			3. Create a series of drawings developing a theme. (ILO2, ILO3, ILO4, ILO5)
147	ART 222	Drawing IV	1. Complete a drawing from live model depicting form and anatomy with accuracy using charcoal on paper. (ILO2, ILO3, ILO4, ILO5)
			2. Present a final portfolio including all work done during the semester, suitable for submission to four year institution, art school or art gallery venues. (ILO2, ILO3, ILO4, ILO5)
			3. Create a substantial capstone project on theme of student's choice. (ILO2, ILO3, ILO4, ILO5)
148	ART 224	Painting III	1. Invent, create, and present paintings employing contemporary art trends, arranged in a portfolio appropriate for submission to four -year institution or gallery. (ISLO1, ISLO2, ISLO3, ISLO5)
			2. Critique works of art. (ISO1, ISLO2, ISO3, ISLO4, ISLO5)
			3. Write a description and opinion essay on a contemporary artwork. (ISLO1, ISLO2, ISLO3, ISLO5)
149	ART 226	Painting IV	1. Invent, create, and present paintings employing contemporary art trends that embody a personal style and are arranged in a portfolio appropriate for submission to four year institution, gallery or for employment in the field.
			2. Critique works of art.
			3. Write a descriptive opinion essay on a contemporary painting.
150	ART 228	Exploration of Painting Techniques	1. Develop portfolio of artwork using an individual style and technique. (ILO2, ILO3, ILO5)
			2. Present, discuss and critique work in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
			3. Write a descriptive essay on a contemporary artwork. (ISLO1, ISLO3, ISO5)
151	ART 230	Life Drawing	1. Develop a portfolio of figure drawings created from direct observation of a model. (ILO2, ILO3, ILO5)
			2. Present, discuss and critique work in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
			3. Create a charcoal drawing of a figure from observation in correct proportion, and sense of light and form. (ILO2, ILO3)
152	ART 240	Ceramics	1. Develop and design methods for applying engobes to greenware. (IL02, IL05)
			2. Present, discuss and critique ceramic ware in a coherent manner. (ILO1, ILO2, IOL3)
			3. Develop a series of ceramic pieces in using an individual style and method. (ILO2, ILO3, ILO5)
153	ART 242	Technical Ceramics	1. Formulate and analyze a glaze using a triaxial line blend. (ILO2, ILO4)
			2. Present, discuss and critique ceramic works in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
			3. Create a series of ceramic works using an individual style and technique. (ILO2, ILO3, ILO5)
154	ART 260	Advertising/Graphic Design	1. Develop portfolio of graphic designs suitable for advertising. (ILO2, ILO3, ILO5)
			2. Present, discuss and critique designs in coherent manner. (ILO1, ILO2, ILO3, ILO5)
			3. Write a descriptive essay on a contemporary design. (ISLO1, ISLO3, ISO5)
155	ART 262	Gallery Display	1. Practice proper exhibition techniques through participation in the mounting of an exhibit. (LO1, ILO2, ILO3, ILO5)
			2. Present, discuss and critique work in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
			3. Write a descriptive essay on a contemporary artwork. (ISLO1, ISLO3, ISO5)
156	ART 270	Photography - Intermediate	1. Present, discuss and critique photographs in a coherent manner. (ILO1, ILO2, ILO3, ILO5)
			2. Demonstrate understanding of film exposure, visual communication skills, use of light and lighting control in the studio and on location. (ILO2, ILO3, ILO4)
			3. Develop portfolio of photographs suitable for presentation for employment in the field, to a client for freelance work or for transfer. (ILO1, ILO2, ILO3, ILO5)
157	ART 280	Career Preparation in the Visual Arts	1. Develop digital portfolio of artwork ready to present to gallery or other exhibition venue. (ILO2,
			2. Create an online portfolio. (ILO1, ILO2, ILO3, ILO5)
			3. Write a resume and artist statement. (ISLO1, ISLO3, ISO5)
158	ASTR 100	Principles of Astronomy	1. comprehend the workings of the seasons around the Earth and their intrinsic cause. (ILO2, ILO5)
			2. determine the phases of the Moon based on its location with respect to the Earth and the Sun. (ILO2)
			3. conceptualize, both in physical size and in time of formation, the differences between the Solar System and the Universe. (ILO2)
159	ATHL 150	Intercollegiate Baseball & PE	1. Perform with an increasing degree of proficiency, the offensive skills and techniques of competitive baseball. (ILO1, ILO2, ILO3)
			2. Perform with an increasing degree of proficiency, the defensive skills and techniques of competitive baseball. (ILO1, ILO2, ILO3)

160	ATHL 151	Intercollegiate Basketball & PE	1. Perform, with an increasing degree of proficiency, the skills, techniques, and strategies of competitive intercollegiate basketball. (ILO1, ILO3)
			2. Improve cardiovascular and muscular fitness. (ILO1, ILO3)
161	ATHL 152	Intercollegiate Soccer and PE	1. Perform with an increasing degree of proficiency, the skills and techniques of competitive soccer. (ILO1, ILO2, ILO3)
			2. Increase and improve their physical conditioning for competitive soccer.(ILO1, ILO2, ILO3)
162	ATHL 153	Intercollegiate Softball & PE	1. Perform with an increasing degree of proficiency, the offensive skills and techniques of competitive softball. (ILO1, ILO2, ILO3)
			2. Perform with an increasing degree of proficiency, the defensive skills and techniques of competitive softball. (ILO1, ILO2, ILO3)
163	ATHL 154	Intercollegiate Tennis and PE	1. Perform with an increasing degree of proficiency the skills, footwork, and strategies of singles and doubles competition. (ILO1, ILO2, ILO3, ILO4)
			2. Increase and improve their physical conditioning for competitive tennis.(ILO1, ILO2, ILO3)
164	ATHL 155	Intercollegiate Volleyball and PE	1. Mastering the skills needed to compete a tthe collegiate level. (ILO3)
			2. Cooperation with students, coaches and officials. (ILO1)
			3. Understand the process of selecting a team based on position and function. (ILO1, ILO2, ILO3)
165	ATHL 156	Intercollegiate Cross Country	1. Perform with a high degree of proficiency the techniques and skills of competitive cross country. (ISLO2, ISLO3)
			2. Increase the physical conditioning for finishing the race/the kick. (ISLO2, ISLO3)
166	AU T 070	Automotive Techniques and Applications	1. Identify the major parts of an automotive brake system. ILO1, ILO3, ILO4.
			2. Explain the operating principles of steering systems. ILO1, ILO3, ILO4.
			3. Perform fundamental electrical test. ILO1, ILO3, ILO4.
167	AU T 075	Basic Shop Skills	1. Identify and locate the most important parts of a vehicle. (ILO1, ILO4)
			2. Identify common automotive handtools. (ILO1, ILO3, ILO4)
			3. Select the right tool for a given job. (ILO1, ILO3, ILO4)
168	AU T 085	Automotive Maintenance and Repairs	1. Explain the interaction of automotive systems. ILO1, ILO3, ILO4.
			2. Describe the purpose of the fundamental automotive system. ILO1, ILO3, ILO4.
			3. Describe the type of skills needed to be an auto technician. ILO1, ILO3, ILO4.
169	AU T 110	Engine Technology	1. Identify and interpret engine concerns; determined necessary action ILO1,ILO2,ILO3
			2. Perform cylinder cranking and running compression test; determined necessary action. ILO1,ILO2,ILO3
			3. Remove cylinder head; inspect gasket condition; install cylinder head and gasket; tighten according to manufacturer’s specifications and procedures. ILO1,ILO2,ILO3
			4. Disassemble engine block; clean and prepare components for inspection and reassembly. ILO1,ILO2,ILO3
170	AU T 120	Automotive Machine Shop	1. Describe engine size measurements based on bore, stroke, displacement, and number of cylinders. ISLO1, ISLO2, ISLO4.
			2. Explain engine compression and how it affects engine performance. ISLO1, ISLO2, ISLO4.
			3. Explain engine torque and horsepower ratings. ISLO1, ISLO2, ISLO3, ISLO4.
			4. Explain volumetric efficiency, thermal efficiency, mechanical efficiency, and total engine efficiency. ISLO1, ISLO2, ISLO4.
171	AU T 122	High Performance Engine Blueprinting I	1. Describe safety practices to be followed when performing engine service. (ILO1, ILO2, ILO3)
			2. Explain how to measure cylinder and piston wear. (ILO1, ILO2)
			3. Identify and interpret engine top end, and engine blueprinting system concern; determine necessary action. (ILO1, ILO2)
			4. Create an engine layout to determine engine components needed to repair with modern engine equipment. (ILO2)
172	AU T 125	Automotive Brakes	1. Identify and interpret brake system concern; determine necessary action. SLO1, SLO2, SLO3.
			2. Diagnose pressure concerns in the brake system using hydraulic pronciples. (Pascal's Law) SLO1, SLO2, SLO3.
			3. Diagnose poor stopping, noise, vibration, pulling, graving, dragging or pedal pulsation concerns; determine necessary action. SLO1, SLO2, SLO3
			4. Identfy and inspect electronic brake control systems components; determine necessary action. SLO1, SLO2, SLO3.
173	AU T 130	Automotive Electronics I	1. Identify and interpret electrical/electronic system concern; determine necessary action. ILO1, ILO2, ILO3.
			2. Use wiring diagrams during diagnosis of electrical circuit problems. ILO1, ILO2, ILO3.
			3. Demonstrate the proper use of a digital multimeter (DMM) during diagnosis of electrical circuit problems, including; source voltage, voltage drop, current flow, and resistance. ILO1, ILO2, ILO3.
174	AU T 150	Automotive Electronics II	1. Describe the action of basic electric circuits. ILO1, ILO3, ILO4
			2. Compare voltage, current, and resistance. ILO1, ILO3, ILO4

			3. Explain different kinds of automotive wiring. ILO1, ILO3, ILO4
			4. Perform fundamental electrical tests. ILO1, ILO3, ILO4
175	AU T 155	Suspension & Wheel Alignment	1. Identify and interpret suspension and steering system concerns; determined necessary action. (ILO1, ILO2, ILO3)
			2. Diagnose steering column noises, looseness, and binding concerns (including tilt mechanisms); determine necessary action. (ILO1, ILO2, I)LO3
			3. Inspect, remove, and replace shock absorbers. (ILO1, ILO2, ILO3)
			4. Inspect tire condition; identify tire wear patterns; check and adjust air pressure; determine necessary action. (ILO1, ILO2, ILO3)
176	AU T 160	Engine Performance Tune-Up	1. Identify and interpret engine performance concern; determined necessary action
			2. Retrieve and record diagnostic trouble codes, OBD monitor status, and freeze and frame data; clear codes when applicable (ILO1,ILO2,ILO3)
			3. Diagnose emissions or driveability concerns without store diagnostic trouble codes; determined necessary action (ILO1,ILO2,ILO3)
177	AU T 170	Engine Diagnosis and Repair	1. Research applicable vehicle and service information such as engine management system operation, vehicle service history, service precautions, and service technical bulletins. (ILO1, ILO2, ILO3)
			2. Locate and interpret vehicle and major component identification numbers. (ILO1, ILO2, ILO3)
			3. Check for module communication (including CAN/BUS systems) errors using a scan tool. (ILO1, ILO2, ILO3)
178	AU T 180	Manual Transmissions and Power Trains	1. Identify and interpret drive train concerns; determine necessary action. (ILO1, ILO2, ILO3)
			2. Diagnose clutch noise, binding, slippage, pulsation, and chatter; determine necessary action. (ILO1, ILO2, ILO3)
			3. Remove and reinstall transmission/transaxle. (ILO1, ILO2, ILO3)
			4. Diagnose constant-velocity (CV) joint noise and vibration concerns; determine necessary action. (ILO1, ILO2, ILO3)
179	AU T 210	Automotive Air Conditioning	1. Identify and interpret heating and air conditioning concern; determined necessary action. ILO1,ILO2,ILO3
			2. Perform A/C system test; identify A/C system malfunctions. ILO1,ILO2,ILO3.
			3. Diagnose A/C system conditions that cause the protection devices to interrupt system operation. ILO1,ILO2,ILO3.
180	AU T 220	Mechanical Automatic Transmissions	1. Diagnose fluid loss and condition concerns; check fluid level in transmissions with and without dipstick; determine necessary action. (ILO1, ILO2, ILO3)
			2. Inspect and replace external seals, gaskets, and bushings. (ILO1, ILO2, ILO3)
			3. Disassemble, clean, and inspect transmission/transaxle. (ILO1, ILO2, ILO3)
			4. Assemble transmission/transaxle. (ILO1, ILO2, ILO3)
181	AU T 230	Emissions Control & Computer Systems	1. Diagnose the causes of emissions or driveability concerns with store or active diagnostic trouble codes; obtain graph, and interpret scan tool data. ILO1,ILO2,ILO3.
			2. Access and use service information to perform step-by-step diagnosis. ILO1,ILO2,ILO3.
			3. Inspect and test ignition primary and secondary circuit wiring and solid state components; perform necessary action. ILO1,ILO2,ILO3.
182	AU T 231	Auto Emission Control System	1. Use advance diagnostic techniques to trouble-shoot difficult problems. ILO1, ILO3, ILO4.
			2. Use scan-tool snapshot and datastream values to find problems not tripping trouble codes. ILO1, ILO3, ILO4.
			3. Define the fundamental terms relating to automotive emission control. ILO1, ILO3, ILO4, ILO5.
			4. Explain the sources of air pollution. ILO1, ILO3, ILO4, ILO5.
183	AU T 235	Auto Electrical/Electronic Instrument	1. Identify and interpret Electrical/ Electronic systems concern; determine necessary action. (ILO1, ILO2, ILO3)
			2. Diagnose electrical/electronic integrity of series, parallel and serie-parallel circuits using principles of electricity (OHM's law). (ILO1, ILO2, ILO3)
			3. Demonstrate the proper use of a digital multimeter during diagnosis of electrical circuit problems, including: source voltage, voltage drop, current flow, and resistance. (ILO1, ILO2, ILO3)
184	AU T 240	Diesel Engine Tune-Up	1. describe the typical difference between a minor tune-up and major tune-up for diesel engines. (ILO1, ILO2, ILO3)
			2. identify all the steps or procedures to perform a diesel engine tune-up. (ILO1, ILO2, ILO3)
			3. remove and reinstall different types of diesel pumps and injectors. (ILO1, ILO2, ILO3)
			4. test, service and analyze the fuel system and electrical circuits. (ILO1, ILO2, ILO3)
185	AU T 250	Electronic Automatic Transmissions	1. Identify and interpret transmission/ transaxle concerns; determine necessary action. (ILO1, ILO2, ILO3, ILO4)
			2. Perform pressure tests (including transmissions/transaxles equipped) with electronic pressure control. Determine necessary action. (ILO1, ILO2, ILO3, ILO4)

			3. Perform lock-up converter system tests; determine necessary action. (ILO1, ILO2, ILO3, ILO4)
			4. Remove and reinstall transmission/transaxle and torque converter; Inspect engine core plug rear crankshaft, dowel pins and mating surfaces. (ILO1, ILO2, ILO3, ILO4)
186	BIOL 090	Human Anatomy and Physiology for Health Professionals	1. Explain how the major organ systems function. (ILO2, ILO5)
			2. Apply his/her knowledge of organ system function to solve problems based on materials and situations not covered directly in class. (ILO1, ILO2, ILO5)
			3. Keep up-to-date with the materials that are covered in class. (ILO3, ILO4)
187	BIOL 100	Principles Of Biological Science	1. respond to critical thinking applications of biological scenarios. (ILO2)
			2. attend and arrive on time for class and lab meetings. (ILO3)
			3. communicate ideas in biology clearly. (ILO1)
			4. perform lab activities properly and correctly analyze lab data. (ILO1, ILO2)
188	BIOL 120	General Zoology I	1. display oral communication effectiveness by doing an oral presentation of a research paper.
			2. display the ability to show critical thinking by answering short essay type questions on exams. (ILO2)
			3. display ability to understand written and illustrated information on the subject matter. (ILO4)
			4. display an understanding of global impact on and by invertebrate animals. (ILO5)
189	BIOL 122	General Zoology II	1. display oral communication effectiveness by an oral presentation of a research paper subject. (ILO1)
			2. display the ability to show critical thinking on the subject by answering short answer questions on exams. (ILO2)
			3. display the ability to understand written and illustrated information on the subject matter on exam questions. (ILO4)
			4. display an understanding of the global impact on and by vertebrate animals. (ILO5)
190	BIOL 140	General Botany	1. identify an important issue in botany, conduct research via literature, interviews with experts and hands-on projects, and clearly communicate content learned about the project by writing a research paper. (ILO1)
			2. identify an important issue in botany, conduct research via literature, interviews with experts and hands-on projects, and document the information sources utilized by citing references within a research paper and at the end, using a standard documentation style (e.g. MLA style). (ILO4)
			3. use systems thinking to explain how a selected topic in botany interconnects with global communities, ecosystems or human societies and cultures. (ILO5)
191	BIOL 150	Human Genetics	1. answer exam questions that deal with population genetics. (ILO5)
			2. show personal responsibility by turning in homework assignments on time. (ILO3)
			3. answer exam questions that deal with critical thinking problem solving. (ILO2)
192	BIOL 180	General Biology: Molecules, Cells & Genetics	1. write lab reports that demonstrate an understanding of the lab and the ability to draw conclusions based on data. (ILO1, ILO2)
			2. discuss primary research literature and understand how science is performed and described. (ILO4)
			3. demonstrate the ability to think like a scientist by coming up with a valid experimental design. (ILO2)
			4. demonstrate critical-thinking skills on exam essay questions. (ILO2)
193	BIOL 182	General Biology: Principles of Organismal Biology	1. Display critical thought related to conducting the process of science and reporting findings. (ILO 1,2)
			2. Create a presentation that reports the findings of a project that incorporates the scientific process. (ILO 1, 2, 4)
			3. Display a mastery of conducting research using primary literature from peer-reviewed scientific journals. (ILOs 1,2,4)
			4. Display an understanding of evolution through natural selection. (ILO 1, 2)
194	BIOL 200	Human Anatomy and Physiology I	1. Display critical thought related to topics in human anatomy and physiology using pre- and post-examination. (ILO 1,2)
			2. Identify the anatomy and/or display comprehension of the physiology related to cells, tissues, or organ systems.(ILO 1,2)
			3. Display critical thought associated with the functioning of the skeletal muscle system during an exercise in personal responsibility. (ILO 1,2,3)
			4. conduct and interpret and electroencephalogram or electromyograph on another individual. (ILO 1,2)
195	BIOL 202	Human Anatomy and Physiology II	1. Display critical thought related to key concepts in human anatomy and physiology using written forms of expression and examination. (ILO2, ILO3, ILO4, ILO5)
			2. Display effective communication skills related to topics in human anatomy & physiology. (ILO1, ILO5)

			3. Display ability to read, comprehend, summarize and orally present research articles related to human anatomy & physiology. (ILO1, ILO2, ILO3, ILO4, ILO5)
			4. Display an understanding of global human health issues. (ILO3, ILO4, ILO5)
196	BIOL 204	Human Anatomy	1. Display critical thought related to topics in human anatomy using written forms of expression and examination. (ILO2, ILO3, ILO4)
			2. Display knowledge of anatomy and dissection competency using cat specimens as subjects. (ILO2, ILO3)
			3. Display critical thought related to topics in human anatomy as it applies to a global perspective. (ILO2, ILO5)
			4. Demonstrate competency in communicating information related to the anatomy of the heart. (ILO1, ILO3, ILO4)
197	BIOL 206	Human Physiology	1. Demonstrate an ability to conduct and interpret an electromyogram performed on another person. (ILO 1,2)
			2. Demonstrate and ability to conduct and interpret an electroencephalogram performed on another person. (ILO 1, 2)
			3. Demonstrate an ability to conduct and interpret an electrocardiogram performed on another person. (ILO 1,2)
			4. Display critical thought related to evaluating early disease detection by conducting a urinalysis evaluation. (ILO 1,2)
198	BIOL 220	General Microbiology	1. accurately explain the basic principles of microbiology, which include but are not limited to: structure and functions of prokaryotic and eukaryotic cells, microbial metabolism, bacterial/molecular genetics, pathogenesis, virology, and immunology. (ILO1, ILO2)
			2. devise a dichotomous key to aid in the identification of disease-causing bacteria in the lab, and accurately identify disease-causing bacteria by using the key and experimental techniques. (ILO1, ILO2)
			3. perform experimental techniques in microbiology correctly to test hypotheses, determine characteristics of microbes and perform diagnostics. (ILO2)
			4. apply lecture and laboratory concepts with critical thinking to explain experimental data and scenarios in microbiology not addresses directly in class/laboratory. (ILO1, ILO2)
			5. fully participate in classroom and laboratory activities. (ILO3)
199	BLDC 101	Safety Standards (Cal/OSHA) 30-Hour Card	1. Understand the appropriate use of personal protective equipment depending on job to be performed.(ILO1)
			2. Understand the purpose of lockout and tagout of equipment.(ILO1,ILO2)
			3. Analyze and understand the purpose of keeping an MSDS at the jobsite.(ILO1,ILO2,ILO5)
200	BLDC 110	Construction Blueprints, Specifications, Measurements, and Codes	1. Identify four blueprint symbols and learn their meaning and usage in blueprints. (ILO2,ILO3)
			2. Compare the identified symbols to symbols used in other contries in order to understand symbol standarization in the world.(ILO5,ILO4)
			3. Measure a linear dimension using an architect scale to be able to interpret the actual measurement according to the scale being used.(ILO1,ILO2,ILO3)
201	BLDC 115	Energy Fundamentals	1. Demonstrate and explain the three ways in which heat travels across a wall.(ILO1,ILO2)
			2. Analyze and explain the proper installation of insulation in order to make an effective thermal boundary.(ILO1,ILO2,ILO3)
			3. Explain and conduct a blower door test to gauge the pressure boundaries of a home establish its inflitration limit.(ILO1,ILO2,ILO5)
202	BLDC 130	Carpentry Layout & Framing	1. Accurately will translate the framing detail from the blueprints to the bottom and top plates in order to erect a wall with proper rough oppenings.(ILO1,ILO2)
			2. Analyze a single story floor plan to quantify the lumber necessary to erect all the exterior walls.(ILO1,ILO2)
			3. Demonstrate two techniques of squaring a wall or a room prior to loading the structure with the roof framing.(ILO2,ILO3,ILO4)
			4. Demonstrate the ability to determine the slope of a roof using a one foot level and a measuring tape.(ILO1,ILO2,ILO3)
203	BLDC 135	Residential Plumbing Applications	1. Understand and explain the water hammer effect in water distribution systems.(ILO1, ILO2)
			2. Determine head pressure and be able to convert head pressure into P.S.I. (ILO2, ILO3)
			3. Explain and understand the importance of having vents in dwv systems.(ILO1, ILO5)
204	BLDC 140	Building Construction Methods & Materials	1. Describe techniques that may be used to guard against termite damage, including termite shields, treated lumber, and poisoning the soil around the structure. (ILO1, ILO2)
			2. Describe the proper procedures that can be used to attach a sill to a foundation wall. (ILO1, ILO2, ILO4)
			3. Demonstrate and understand the rule of thumb to determine the size of beams in relation to the rough opening needed for support in a structure. (ILO2, ILO3)

205	BLDC 145	Concrete Formwork, Layout, & Setting	1. Identify all the ingredients in concrete in order to analyze and understand the ratio in the mixture of concrete. (ILO2, ILO3)
			2. Compare tensile strength versus compressive strength in order to analyze and understand their relation and interaction under pressure.(ILO2, ILO4, ILO5)
			3. Students will create a layout with mason's line analyze it and test it for squareness.(ILO1, ILO2, ILO3)
206	BLDC 150	Carpentry Methods, Materials, and Tools	1. Construct a 2X4X10 standard wall in accordance with the California Building Code and the California Building Standards Commission under chapter 23 Section 2308. (ILO1, ILO2, ILO3, ILO4)
			2. Different angles on a pivot square will be analyzed and transferred onto a 2X4 with a pencil line in order to cut a piece of lumber safely using OSHA standards. (ILO1, ILO2, ILO3)
			3. Create a wall with three rough openings of different sizes and be able to determine the right size of the header for each rough opening. (ILO1, ILO2, ILO3)
			4. Determine the slope and ratio of rise and run of a roof by checking with a level. (ILO2, ILO5)
207	BLDC 155	Solar Thermal and Water Efficiency	1. Understand and analyze various factors such as tank and pipe insulation, heat traps, automatic controls in order to define and understand standby and distribution losses. (ILO2, ILO4, ILO5)
			2. Demonstrate knowledge and understanding of passive and active solar water heating systems, by defining the operation and efficiency of each system. (ILO1, ILO2)
			3. Analyze and explain the importance of using antifreeze agents circulating through the solar collector. (ILO1, ILO2, ILO5)
208	BLDC 160	Construction Technical & Contract Documents	1. Identify and describe the roles of the Architect, Engineer, Owner and contractor in the development of a project.(ILO1,ILO2)
			2. Compare and identify three types of contractual agreements that are typical to the construction industry. (ILO1,ILO2,ILO3)
			3. Identify, and compare and contrast a conceptual and square foot estimate.(ILO1,ILO2,ILO3)
209	BLDC 165	Concrete Materials, Methods, and Tools	1. Describe and list the various steps and stages of the concrete pouring and finishing in order to understand the order of operations. (ILO1, ILO2)
			2. Identify the essential tools of a cement mason and analyze and describe their importance. (ILO2, ILO3)
			3. Calculate concrete quantities using the following formula LXWXD/27=cu.Yds.in order to place actual orders. (ILO2)
			4. Identify three mix types along with the P.S.I strength of each. (ILO1, ILO2)
210	BLDC 170	Essentials of Efficient Green Construction	1. Identify and describe the two types of solar construction: Active and Passive.(ILO1,ILO2)
			2. Identify and describe the difference between internal and external heat factor in a residence.(ILO1,ILO2)
			3. List and describe three different ways in which heat is transferred.(ILO1,ILO3)
211	BLDC 175	Home Performance Retrofits	1. Identify and describe the difference between infiltration and exfiltration. (ILO2)
			2. Identify the connectivity to the outside of various pressure boundaries of a home using a pressure pan. (ILO1, ILO2)
			3. Calculate the building airflow standard for a 1600 square foot home with three occupants. (ILO2)
212	BLDC 180	Building Planning and Cost Estimation	1. Identify and Describe the purpose of a fair cost estimate.(ILO1,ILO2
			2. Identify and describe the advantages and disadvantages of a joint venture.(ILO1,ILO2)
			3. Analyze and describe the advantages of value engineering in a large project..(ILO2,ILO3)
213	BLDC 185	Concrete Footings, Flatwork, and Detail Work	1. Analyze and compare tensile strength and compressive strength in order to understand thier reaction under pressure.(ILO1,ILO2)
			2. Determine water content of concrete by performing a slump test.(ILO2)
			3. Identify all the ingredients in concrete in order to understand the different ratios for mixing concrete with various strengths.(ILO1,ILO2,ILO3)
			4. Create a detail material estimate for pouring a foundation based on the square feet, while using the formula LxWxD/27=Cubic Yards.(ILO1,ILO2)
214	BLDC 190	Carpentry Trim/Detail Work	1. Recognize and install the proper trim in the proper place according to general construction trade standards, with gaps not greater than 1/16' of an inch.(ILO1,ILO2,ILO3)
			2. Analyze and describe the different angles used to join baseboard,casing and crown moulding.(ILO1,ILO2,ILO5)
			3. Describe how door frames and casings are installed.(ILO1,ILO2)
215	BLDC 201	Construction Planning and Mgmt	1. Create a flow chart of the planning and scheduling process and identify their importance in the construction phase.(ILO1,ILO2)
			2. Identify the six principal concerns in the format of a construction diary.(ILO1,ILO2)
			3. Identify the usual criterion that governs the selection of the successful bidder in a public works contract.(ILO1,ILO2)
216	BLDC 210	Construction Management &	1. Identify and describe the responsibilities of the owner,architect and builder.(ILO1,ILO2)
			2. Identify the purpose of product data submittals,samples, and shop drawings.(ILO1,ILO2)

		Organizations	3. Identify the purpose of using subcontractors on large scale jobs.(ILO1,ILO2,ILO3)
217	BUS 010	Practical Accounting	1. Demonstrate knowledge of accounting concepts to analyze, journalize, and post transactions. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Prepare a bank reconciliation statement. (ILO1, ILO2, ILO3)
			3. Calculate employee earnings and deductions. (ILO1, ILO2, ILO3)
218	BUS 060	Essentials in Workplace Communication	1. Using analytical and written skills in an oral presentation, persuade an audience of a certain point of view. (ILO1, ILO3, ILO5)
			2. Analyze a business letter. (ILO1, ILO2, ILO4)
			3. Create a letter following the six C?s of correspondence. (ILO1, ILO2, ILO4)
219	BUS 061	Business English	1. Recognize and apply English grammar usage when analyzing and writing business-related sentences.
			2. Locate and identify the subject, predicate, and direct object in a sentence.
			3. Deliver an organized, well-informed chapter presentation using PowerPoint.
220	BUS 124	Introduction to Business	1. Identify the major business and political forces nurturing economic globalization. (ILO1, ILO3, ILO5)
			2. Explain the concepts of ethics and corporate responsibility. (ILO1, ILO2, ILO5)
			3. Explain the impact of the Internet on business and on methods of doing business and compare e-business and e-commerce. (ILO1, ILO3, ILO4, ILO5)
			4. Describe the purpose of a securities maket and explain the basic concepts of stock research activities. (ILO1, ILO3, ILO4, ILO5)
			5. Explain the purpose of money, banking, and accounting, and design a basic business budget as a part of the business planning process. (ILO1, ILO2, ILO3, ILO4, ILO5)
221	BUS 126	Business and the Legal Environment	1. Evaluate and analyze three distinct legal case problems and communicate the results demonstrating writing competencies at the college level.(ILO1, ILO2, ILO4)
			2. Identify, define, appropriately apply and analyze the five elements of a contract in a simulated factual situation based on an actual legal case. (ILO1, ILO2, ILO4)
			3. Identify, define, appropriately apply and analyze the four elements of negligence in a simulated factual situation based on an actual legal case. (ILO1, ILO2, ILO4)
222	BUS 132	Business Management	1. Successfully conclude a negotiation.(ILO1, ILO2, ILO3, ILO5)
			2. Demonstrate an ability to productively work as a team member with people of diverse experiences and backgrounds by exchanging ideas and viewpoints with other team members to develop a united position for negotiating a solution to a common business problem as posed in a negotiation scenario. (ILO1, ILO2, ILO3, ILO5)
			3. Identify and define the four functions of management and describe how each element applies to managers in a typical business environment. (ILO1, ILO2, ILO3, ILO5)
			4. Identify and define the steps of the managerial decision-making process and follow the steps to make a decision in a simulated business case. (ILO1, ILO2, ILO3, ILO5)
223	BUS 134	Management Concepts of Supervision	1. Evaluate the common practices used in compensating, appraising, and training developing employees. (ILO1, ILO2, ILO4)
			2. Demonstrate the use of the three methods of communication in giving an order to an employee. (ILO1, ILO2, ILO4)
			3. Demonstrate procedures for handling troubled employees and applying discipline in the work place. (ILO1, ILO2, ILO4)
224	BUS 136	Human Relations in Management	1. Describe different employee attitudes and analyze the consequences of those attitudes on a business. (ILO1, ILO2, ILO3, ILO5)
			2. Explain the importance of interpersonal dynamics by applying the Gung Ho! approach. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Apply human relations techniques in their workplace and personal lives.(ILO1, ILO2, ILO3, ILO4)
225	BUS 144	Principles of Marketing	1. Create and develop an effective sales presentation including at least one visual aid. (ILO1, ILO2, ILO3, ILO4)
			2. Deliver a presentation to the class using appropriate oral communication techniques. (ILO1, ILO2, ILO3, ILO4)
			3. defend a presentation by providing relevant answers to questions posed by classmates. (ILO1, ILO2, ILO3, ILO4)
226	BUS 148	Personal Finance	1. Show understanding of the time value of money. Illustrate how to compare the value of a dollar today with the value of the dollar at a future point in time. (ILO1, ILO2)
			2. Compare and contrast Stocks and Bonds as investment vehicles. Be sure to list the costs and benefits of each. (ILO1, ILO2, ILO4)
			3. Create a financial plan. Use short-term, intermediate and long-term goals in your plan. (ILO1, ILO2, ILO3, ILO4)

227	BUS 152	Basic Keyboarding	1. Using proper technique, demonstrate ability to key using the touch method at a net speed of 13 NWPM over established base score. (ILO1, ILO4)
228	BUS 154	Beginning Keyboarding and Document Formatting	1. In a 5-minute timed writing, demonstrate proper typing posture and technique. (ILO2, ILO3, ILO4)
			2. In a 5-minute timed writing, demonstrate ability to touch typing.(ILO2, ILO3)
			3. Create and format a business letter in block style. (ILO2, ILO3, ILO4, ILO5)
229	BUS 156	Keyboarding: Speed and Accuracy	1. Demonstrate keyboarding speed and accuracy proficiency on a 5-minute timed writing. (ILO1, ILO2, ILO3, ILO4)
			2. Measure overall keyboarding speed and accuracy skill-development progress on a 5-minute timed writing. (ILO1, ILO2, ILO3, ILO4)
			3. Apply technique to improve accuracy and speed in keyboarding. (ILO4)
230	BUS 164	Microsoft Word for the Workplace	1. Create a report where essential MS Word 2007 functions are used. (ILO2, ILO3, ILO5)
			2. Design and create an online form for a company retreat. During this process, analyze and reinforce writing and critical thinking skills. (ILO1, ILO2, ILO3, ILO5)
			3. Use the Mail Merge process to create letters and mailing labels. (ILO1, ILO2,ILO3, ILO5)
231	BUS 167	Machine Calculation	1. Demonstrate knowledge of basic math skills using the 10-key. (ILO1, ILO2, ILO3, ILO4, ILO5)
232	BUS 169	Records Management	1. Code proper names and business names according to alphabetic filing rules. (ILO2, ILO3, ILO4, ILO5)
			2. Identify and create cross-referencing for proper names and business names. (ILO2, ILO3, ILO4, ILO5)
233	BUS 172	Office Procedures for the Workplace	1. Develop research techniques to learn about a product or concept and persuade audience to believe in it. (ILO1, ILO2, ILO5)
			2. Develop oral, analytical and written skills by persuading a certain point of view in an oral presentation. (ILO1, ILO3, ILO5)
			3. Display professionalism while selling skills, knowledge and education during a mock interview. (ILO1, ILO2, ILO3, ILO5)
234	BUS 176	Office Transcription	1. Demonstrate the use of a transcription/dictation machine using the proper ergonomics posture. (ILO3)
			2. Transcribe business documents displaying correct formatting for business documents and demonstrating knowledge of proper grammar usage, and proofreading skills. (ILO1, ILO2, ILO3,
			3. Transcribe a one-page business document in 15 minutes with no more than two errors. (ILO1, ILO2, ILO4)
235	BUS 180	Microsoft Office Suite for the Workplace	1. Using Excel, apply formulas to calculate total cost, gross sales and total profit. (ILO2, ILO3, ILO4)
			2. Design, analyze, and present a proposal using Office applications, simulating the need of a college snack bar. (ILO1, ILO3, ILO5)
			3. In a simulated setting, communicate the snack bar proposal to a college Board of Directors. (ILO1, ILO2, ILO3, ILO4, ILO5)
			4. In a simulated setting, create a data base and create reports using the query function.
236	BUS 210	Principles of Financial Accounting	1. Create a trial balance from a list of accounts. (ILO1, ILO2, ILO3)
			2. Put debit balances on the left and credit balances on the right. (ILO1, ILO2, ILO3)
			3. Calculate any missing number in a trial balance. (ILO1, ILO2, ILO3)
			4. Calculate, compare, and contrast different methods of inventory costing and different methods of depreciation.
237	BUS 220	Principles of Managerial Accounting	1. Perform all the accounting for one week of transactions for the University Bookstore Practice Set (Simulation) (ILO1, ILO2, ILO4)
			2. Prepare journal entries for transactions using cost accounts. (ILO1, ILO2, ILO4)
			3. Use the scattergraph method of separating fixed and variable costs. (ILO1, ILO2, ILO4)
			4. Prepare a cash budget. (ILO1, ILO2, ILO3, ILO4)
238	BUS 230	Introduction to Governmental Accounting	1. Research financial reports issued by local governmental agencies, analyze the reports, and explain how the financial reports use the principles of governmental accounting outlined in the text. (ILO1, ILO2, ILO4)
			2. Analyze hands-on accounting work and illustrate a big-picture view of the governmental accounting cycle. (ILO1, ILO2, ILO4)
			3. Summarize the fundamental differences between commercial accounting and governmental accounting, including the use of funds, importance of the legally-adopted budget, and basis of accounting.(ILO1, ILO2, ILO4)
239	BUS 260	Business Communications	1. Use the writing process effectively to communicate positive, negative, and persuasive messages. (ILO1, ILO2, ILO4)
			2. Write a resume and application letter as well as organize and conduct a mock interview. (ILO1, ILO2, ILO4)

			3. Write an analytical business report using primary and secondary research, integrating graphics, and using an acceptable format and writing style which demonstrates knowledge of the formal report-writing process. (ILO1, ILO2, ILO4)
			4. Develop and present oral reports. (ILO1, ILO2, ILO4)
			5. Identify challenges of intercultural communication and demonstrate how culture affects communication effectiveness. (ILO1, ILO2, ILO4, ILO5)
240	CDEV 020	Selected Topics/Special Projects In Child Development	1. Identify the theories and practices of the special topic. (ILO2, ILO4)
241	CDEV 050	Family Child Care Management	1. Identify factors of quality family child care. (ILO1, ILO2)
			2. Gather information on local and state requirements and select the required tasks to open family child care business. (ILO2, ILO4)
242	CDEV 051	Family Childcare Provider and Parent Relations	1. Demonstrate methods of parent communication. (ILO1, ILO2, ILO4)
			2. Outline policies and methods of implementation. (ILO1, ILO2, ILO4)
			3. Investigate and create parent involvement activities and planning. (ILO2, ILO4)
243	CDEV 052	Family Childcare Licensing and Resources	1. Identify Resources to benefit program, children, and funding resources. (ILO1, ILO4)
			2. Construct a family child care budget. (ILO2, ILO3)
			3. Demonstrate knowledge of licensing requirements. (ILO2, ILO4)
244	CDEV 100	Principles and Practices of Teaching Young Children	1. Interpret best and promising teaching and care practices as defined within the field of early care and education?s history, range of delivery systems, program types and philosophies and ethical standards. (ILO 2, ILO 3, ILO5)
			2. Identify the underlying theoretical perspective in forming a professional philosophy. (ILO2, ILO3, ILO4, ILO5)
			3. Assess early childhood settings, curriculum, and teaching strategies utilizing indicators of quality early childhood practice that support all children including those with diverse characteristics and their families. (ILO2, ILO3, ILO5)
			4. Examine the value of play as a vehicle for developing skills, knowledge, dispositions, and strengthening relationships among young children. (ILO2, ILO4, ILO5)
			5. Examine a variety of guidance and interaction strategies to increase children?s social competence and promote a caring classroom community. (ILO1, ILO2, ILO4, ILO5)
			6. Analyze the relationship between observation, planning, implementation and assessment in developing effective teaching strategies and positive learning and development. (ILO1, ILO2, ILO3, ILO4, ILO5)
245	CDEV 101	Health, Safety and Nutrition	1. Assess strategies to maximize the mental and physical health of children and adults in programs for all young children in accordance with culturally, linguistic and developmentally sound practice. (ILO2, ILO3, ILO5)
			2. Identify health, safety, and environmental risks in children?s programs. (ILO2, ILO3, ILO5)
			3. Analyze the nutritional needs of children at various ages and evaluate the relationship between healthy development and nutrition.(ILO2, ILO4)
			4. Evaluate regulations, standards, policies and procedures related to health, safety, and nutrition in support of young children, teachers and families. (ILO2, ILO4, ILO5)
			5. Distinguish aspects of quality in programs for young children as related to health and safety, acknowledging the value of collaboration with families and the community. (ILO2, ILO4)
246	CDEV 102	First Aid and CPR for Teachers of Young	1. Demonstrate ability to properly perform CPR. (ILO2, ILO3)
			2. Demonstrate ability to properly apply First Aid procedures to various situations. (ILO2, ILO3)
247	CDEV 103	Child, Family and Community	1. Analyze theories of socialization that address the interrelationship of child, family and community. (ILO1, ILO2, ILO4, ILO5)
			2. Critically assess how educational, political, and socioeconomic factors directly impact the lives of children and families. (ILO2, ILO5)
			3. Synthesize and analyze research regarding social issues, changes and transitions that affect children, families, schools and communities. (ILO2, ILO5)
			4. Critique strategies that support and empower families through respectful, reciprocal relationships to involve all families in their children?s development and learning. (ILO1, ILO2, ILO5)
			5. Critically assess community support services and agencies that are available to community and families. (ILO1, ILO2, ILO5)
			6. Analyze one?s own values, goals and sense of self as related to family history and life experiences, assessing how this impacts relationships with children and families. (ILO2, ILO3, ILO5)
248	CDEV 104	Child Growth and Development	1. Analyze major developmental milestones for children from conception through adolescence in the areas of physical, psychosocial, cognitive, and language development using standard research methodologies. (ILO2, ILO4, ILO5)

			2. Analyze how cultural, economic, political, historical contexts affect children?s development. (ILO2, ILO4, ILO5)
			3. Compare and contrast various theoretical frameworks that relate to the study of human development. (ILO2, ILO4, ILO5)
			4. Apply developmental theory to the analysis of child observations, surveys, and/or interviews using investigative research methodologies. (ILO2, ILO4, ILO5)
			5. Differentiate characteristics of typical and atypical development at various stages. (ILO2, ILO4, ILO5)
			6. Analyze the importance of the early years and the interaction between maturational processes and social/environmental factors and the effects on various areas of development. (ILO2, ILO4,
249	CDEV 105	Introduction to Curriculum	1. Investigate and apply developmentally appropriate principles and teaching strategies to positively influence all young children's development and acquisition of knowledge and skills. (ILO2, ILO5)
			2. Evaluate the teachers? role in providing best and promising practices in early childhood programs. (ILO2, ILO3, ILO4, ILO5)
			3. Compare and contrast play-based curriculum that supports children?s cognitive, language, creative, physical and social/emotional development. (ILO2, ILO4, ILO5)
			4. Design and implement curriculum based on observation and assessment to support play and learning using developmental, inclusive and anti-bias principles in collaboration with families to support all children. (ILO2, ILO5)
250	CDEV 106	Observation and Assessment	1. Critically compare the purpose, value and use of formal and informal observation and assessment strategies and ethical implications within cultural and social contexts in early childhood settings. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Describe and evaluate the characteristics, strengths and limitations of common assessment tools with all children?s developmental, cultural and linguistic characteristics. (ILO1, ILO2, ILO4, ILO5)
			3. Demonstrate systematic observation methods to provide data to assess the impact of the environment, interactions and curriculum on all domains of children?s learning and development. (ILO2, ILO4)
			4. Assess the value of partnerships with families and other professionals in utilizing interpretations of observational data to inform teaching responses and strategies. (ILO1, ILO2, ILO4, ILO5)
			5. Embed activities related to assessment within play-based environments, curriculum and care routines for typically and atypically developing children. (ILO2, ILO4, ILO5)
251	CDEV 107	Teaching in a Diverse Society	1. Critique theories and review the multiple impacts on young children?s social identity. (ILO2, ILO5)
			2. Analyze various aspects of children?s experience as members of families targeted by social bias considering the significant role of education in reinforcing or contradicting such experiences. (ILO1, ILO2, ILO4, ILO5)
			3. Critically assess the components of linguistically and culturally relevant, inclusive, age appropriate, anti-bias approaches in promoting optimum learning and development. (ILO1, ILO2, iLO5)
			4. Evaluate the impact of personal experiences and social identity on teaching effectiveness. (ILO1, ILO2, ILO3, ILO5)
252	CDEV 120	Language and Literature for Young Children	1. Create and demonstrate language and literature activities appropriate for early childhood settings. (ILO1, ILO4)
			2. Identify and critique stories and literature for their value to young children. (ILO1, ILO2, ILO4, ILO5)
			3. Identify the relationship between language development and literacy. (ILO1, ILO2)
253	CDEV 121	Art for Young Children	1. Demonstrate an understanding of developmentally appropriate art activities for young children. (ILO1, ILO5)
			2. Identify and demonstrate usage of a variety of materials and media appropriate for young children. (ILO1, ILO2, ILO5)
			3. Identify the developmental sequence of art skills in young children. (ILO1, ILO2)
			4. Create and execute parent and staff trainings on the importance of fostering creativity in young children. (ILO1, ILO2, ILO4, ILO5)
254	CDEV 122	Science and Math for Young Children	1. Investigate and critique developmentally appropriate science and math curriculum. (ILO1, ILO2, ILO4)
			2. Demonstrate knowledge of and create child centered math and sciences areas. (ILO2, ILO4)
			3. Create math and science activities that are child centered and developmentally appropriate. (ILO2, ILO4)
255	CDEV 123	Music and Movement for Young Children	1. Examine and critique developmentally appropriate music and movement curriculum for early childhood. (ILO1, ILO2, ILO4)
			2. Demonstrate knowledge of and create a typical music area to stimulate young children. (ILO1, ILO2)

			3. Create music and movement activities that are developmentally appropriate for young children. (ILO1, ILO2, ILO4)
256	CDEV 124	Creative Cooking for Children	1. Identify the domains of learning involved in cooking. (ILO1, ILO2)
			2. Identify, plan and demonstrate developmentally appropriate cooking activities. (ILO1, ILO2, ILO4)
			3. Create extensions of cooking activities into other areas of the curriculum. (ILO1, ILO2, ILO4)
257	CDEV 125	Multilingual and Multicultural Curriculum Young Children	1. Plan and demonstrate learning experiences for children which recognize the child?s cultural background. (ILO1, ILO2, ILO4, ILO5)
			2. Design curriculum that infuses multiple cultures, languages, and differences appropriately throughout the year. (ILO2, ILO4, ILO5)
			3. Critically assess the components of inclusive, age appropriate, anti-bias approaches in promoting optimum learning and development. (ILO2, ILO4, ILO5)
258	CDEV 140	Child Abuse	1. Identify signs of abuse and neglect. (ILO3, ILO5)
			2. Assess the underlying causes of abuse and neglect. (ILO1, ILO2)
			3. Demonstrate knowledge of report procedures for mandated reporters. (ILO2, ILO3, ILO4, ILO5)
259	CDEV 141	Children with Challenging Behaviors	1. Evaluate Early Childhood environments in regards to influence on children?s behavior. (ILO2, ILO4, ILO5)
			2. Compare and apply essential elements of positive behavior management techniques. (ILO2, ILO5)
			3. Demonstrate ability to modify the environment to positively affect challenging behaviors. (ILO1, ILO2, ILO4, ILO5)
260	CDEV 142	What is Developmentally Appropriate?	1. Demonstrate knowledge of the principles of child development and learning that inform developmentally appropriate practice. (ILO2, ILO3, ILO4, ILO5)
261	CDEV 200	Practicum - Field Experience	1. Integrate understandings of children?s development and needs to develop and maintain healthy, safe, respectful, supportive and challenging learning environments for all children. (ILO2, ILO3, ILO4, ILO5)
			2. Evaluate the effectiveness of an early childhood curriculum, classroom, teaching strategies and how teachers involve families in their children?s development and learning to improve teaching practices for all children. (ILO2, ILO3, ILO4, ILO5)
			3. Design, implement and evaluate curriculum activities that are based on observation and assessment of young children. (ILO2, ILO3, ILO4, ILO5)
			4. Apply a variety of effective approaches, strategies and techniques supporting positive relationships with children and adults. (ILO1, ILO2, ILO3)
			5. Critically assess one?s own teaching experiences to guide and inform practice. (ILO1, ILO3)
262	CDEV 210	Administration and Supervision	1. Identify and demonstrate understanding of management principles and their relationship to leadership styles. (ILO1, ILO2, ILO3, ILO5)
			2. Investigate and create a typical program budget. (ILO2, ILO3, ILO4)
			3. Identify appropriate materials for a learning center in an early learning environment that is responsive to diverse learners. (ILO2, ILO4, ILO5)
263	CDEV 211	Advanced Management Functions	1. Identify key aspects of quality early childhood educational programs and plan a proposal for program budgeting. (ILO1, ILO2, ILO3)
			2. Identify strategies for family involvement and create and assess program parent involvement plan. (ILO1, ILO2, ILO3)
			3. Demonstrate knowledge of personnel requirements, policies, training, and evaluation. (ILO1, ILO2, ILO3)
264	CDEV 212	Adult Supervision in Child Development Programs	1. Identify methods for staff improvement. (ILO1, ILO2, ILO3, ILO4)
			2. Demonstrate ability to work with staff. (ILO1, ILO2, ILO3, ILO4)
			3. Provide a variety of sources to evaluate self and staff. (ILO1, ILO2, ILO3, ILO4)
265	CDEV 220	Infant Toddler Development	1. Identify and communicate information concerning development: physical, cognitive and emotional/social of infancy and toddlerhood. (ILO1, ILO4)
			2. Perform observations on various ages of infancy and toddlerhood. (ILO1, ILO2, ILO5)
			3. Identify factors that influence infant development. (ILO2, ILO4)
266	CDEV 221	Infant Toddler Curriculum	1. Explain the role of the teacher in an infant toddler program. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Critique various curriculums and create an Infant Toddler curriculum based upon the needs of the children they serve. (ILO2, ILO3, ILO4, ILO5)
			3. Plan and develop an appropriate environment for infant toddlers. (ILO2, ILO5)
267	CDEV 230	School Age Child Development	1. Examine school-age development as it relates to the individual as well as actions and attitudes in a group setting. (ILO2, ILO4, ILO5)
			2. Demonstrate an understanding of school-age care as it relates to families and communities. (ILO2, ILO4, ILO5)
			3. Examine Current issues that impact the growth and development of school age children. (ILO2, ILO4, ILO5)
268	CDEV 231	School Age Curriculum	1. Compare and contrast varies before and after school, school-age programs. (ILO2, ILO4, ILO5)

			2. Design, implement, and evaluate curriculum activities which are appropriate for school-age children in before or after school learning environments. (ILO2, ILO4, ILO5)
			3. Formulate developmentally appropriate positive guidance strategies for working with school-age children. (ILO2, ILO4, ILO5)
269	CHEM 100	Introduction To Chemistry	1. calculate English and metric unit conversions and measurements using dimensional analysis. (ISLO4)
			2. write symbols for elements and know common ionic charges. (ISLO2)
			3. derive and write formulas and names for chemical compounds. (ISLO2)
			4. write and balance common chemical equations and identify reaction types. (ISLO4)
270	CHEM 160	Introduction General, Organic & Biological Chemistry	1. calculate drug dosage using English and Metric unit interconversions and dimensional analysis. (ILO4)
			2. identify different classes of organic compounds. (ILO2)
			3. identify different functional groups in organic compounds. (ILO2)
			4. write a research paper on biochemical disorders. (ILO4)
			5. discuss the geographical/ethnic distribution of biochemical disorders. (ILO5)
271	CHEM 200	General Inorganic Chemistry I	1. perform dimensional analysis calculations as they relate to problems involving percent composition and density. (ISLO2)
			2. write chemical formulas, and name inorganic compounds. (ISLO2)
			3. relate chemical equations and stoichiometry as they apply to the mole concept. (ISLO2)
			4. identify the basic types of chemical reactions including precipitation, neutralization, and oxidation-reduction. (ISLO4)
			5. knowledge of atomic structure and quantum mechanics and apply these concepts to the study of periodic properties of the elements. (ISLO4)
272	CHEM 202	General Inorganic Chemistry II	1. examine and develop concepts of covalent bonding, orbital hybridization and molecular orbital theory. (ISLO4)
			2. identify and perform organic addition and elimination reactions. (ISLO2)
			3. compare and analyze Thermodynamics properties and differentiate between spontaneity and maximum useful work heat and Free energy. (ISLO2)
			4. develop ideas of Chemical Kinetics from experiments using concentration dependence then determining rates and rate law. (ISLO4)
			5. recognize oxidation-reduction reactions in electrolytic cells, sacrificial anodes, the use of the Nernst equation, and how to balancing red-ox reactions. (ISLO2)
273	CHEM 204	Organic Chemistry I	1. demonstrate knowledge of covalent bonding and molecular geometry. (ISLO4)
			2. analyze the structure, nomenclature, physical properties and synthesize alkanes and cycloalkanes. (ISLO2)
			3. evaluate and measure the difference between organic acids and bases. (ISLO2)
			4. demonstrate knowledge of stereochemistry and its effects on molecular properties. (ISLO4)
			5. analyze the structure, nomenclature, physical properties and synthesize alkenes. (ISLO4)
274	CHEM 206	Organic Chemistry II	1. analyze the structure, nomenclature, physical properties and synthesize aldehydes and ketones. (ISLO4)
			2. analyze the structure, nomenclature, and physical properties and synthesize carboxylic acids. (ISLO2)
			3. identify and write the steps to synthesize reactions including esters, enolates, enamine and Aldol reactions. (ISLO2)
			4. develop and recognize the concept of aromaticity by the analysis of Aromatic compounds. (ISLO4)
			5. determine the structure, nomenclature, physical properties and synthesize amines. (ISLO4)
275	CIS 050	Online Learning - An Orientation	1. Utilize screenshots in an online environment. (ILO1)
			2. Properly identify and verify a websites validity and content. (ILO2)
			3. Utilize multiple search engines as well as features built into those search engines to become efficient at searching. (ILO3)
276	CIS 100	Computer Literacy	1. Differentiate between computer hardware and software. (ILO2; ILO4)
			2. Differentiate among hardware devices. (ILO2; ILO4)
			3. Describe URL?s and email basics. (ILO2; ILO4)
			4. Use a word processing program to create, edit, and print a document. (ILO1, ILO2, ILO4)
277	CIS 101	Introduction to Information Systems	1. Analyze web information sources for relevance and accuracy; and synthesize, evaluate and communicate the results, demonstrating writing competencies at the college level. (ILO1, ILO2,
			2. Describe the general characteristics of a computer system and identify types of computer hardware and software and explain their functions.(ILO1, ILO2, ILO4)
			3. Demonstrate the use of a word processor, spreadsheet, and database application program by completing projects that require students to extend course content to real-world situations and manage and organize files and use data storage devices. (ILO1, ILO2, ILO4)

278	CIS 102	Computer Applications Laboratory	1. Take responsibility for logging in and out of the system to capture attendance hours. (ILO3)
			2. Demonstrate improvement of skills in the practical use of computer equipment and applications as required in co-enrolled course. (ILO3, ILO4)
279	CIS 104	Introduction to Telecommunications	1. Differentiate between guided media and unguided media; (ILO01; ILO02; ILO04)
			2. Define physical transmission media. (ILO01; ILO02; ILO04)
			3. Analyze advantages of one medium over another. (ILO01; ILO02; ILO04)
			4. Differentiate between guided media Differentiate among hubs, bridges, switches, and routers. (ILO01; ILO02; ILO04)
			5. Demonstrate personal responsibility by preparing for the online examination, agreeing to the online examination honor pledge, logging into the online course and complete examination on the scheduled date. (ILO03)
280	CIS 106	PC Maintenance and Repair	1. Remove and replace the power supply, mother board, RAM, and storage devices in your lab PC. (ILO1, ILO2, ILO4, ILO5)
			2. Demonstrate the procedures to measure voltage, current and resistance in electrical circuits. (ILO1, ILO2, ILO4, ILO5)
			3. Install and configure and upgrade Windows operating system. (ILO1, ILO2, ILO4, ILO5)
			4. Successfully troubleshoot a variety of PC problems to the correct component. (ILO1, ILO2, ILO4, ILO5)
			5. Install and configure and upgrade Windows operating system. (ILO1, ILO2, ILO4, ILO5)
			6. Install and configure a basic network. (ILO1, ILO2, ILO4, ILO5)
281	CIS 107	Computer Networking	1. Diagnose & repair 2 network problems using LabSim simulator program.(ILO2)
			2. Describe and configure various network architectures and media. (ILO2)
			3. Diagnose & repair 2 computer problems using LabConnection simulator program. (ILO1, ILO2, ILO4, ILO5)
			4. Practice safe work habits. (ILO1, ILO2, ILO4, ILO5)
282	CIS 108	Computer Accounting	1. Apply accounting theories to analyze a transaction, choose an appropriate financial document, and correctly enter a transaction using a business accounting software package. (ILO2, ILO3, ILO4)
			2. Print and analyze financial statements for inconsistencies and revise as necessary. (ILO2, ILO3, ILO4)
			3. Using proper end of period accounting procedures, prepare adjustments and reconciliations. (ILO2, ILO3, ILO4)
283	CIS 120	Microsoft Word I	1. Design and create a two page advertisement promoting green environment using MS Word features. (ILO1, ILO2, ILO3, ILO4, ILO5)
284	CIS 121	Microsoft Word II	1. Create a multi-page document using intermediate features of MS Word. (ILO1, ILO2, ILO3, ILO4)
285	CIS 124	EXCEL I	1. Apply calculating formulas and functions in order to produce a worksheet (ILO1,ILO2,ILO3)
286	CIS 125	EXCEL II	1. Demonstrate knowledge of worksheet creation using formulas and function applications. (ILO1, ILO2,ILO3)
			2. Produce worksheets with advanced chart and graphic presentations (ILO1, ILO2,ILO3)
287	CIS 128	ACCESS	1. Design,create, and query a data base. (ILO2, ILO4)
288	CIS 130	Power Point I	1. Design and create a slide show that includes a title slide, at least five text slides with bulleted lists, and a closing slide. Demonstrate understanding of using attributes for emphasis. (ILO1, ILO2,
289	CIS 131	Power Point II	1. Design and create a slide presentation demonstrating knowledge of inserting photographs and using layouts, bulleted lists, shapes, background, transitions, and photograph (ILO1, ILO2, ILO4)
290	CIS 137	Web Development Tools	1. Design, develop, and present a business orientated website (ILO1, ILO2,ILO4, ILO5)
			2. Ability to utilize embedded youtube videos and embedded playlists to create a media rich website. (ILO 4)
			3. Ability to utilize Widgets to include a CSS-based image gallery in a website. (ILO4)
			4. Ability to deploy and modify tables to format a website (ILO4)
291	CIS 149	Photoshop	1. Utilize several Photoshop tools and tactics learned throughout the course to produce a professional looking Magazine cover. (ILO1)
			2. Demonstrate the ability to repair and touchup a digital picture. (ILO2)
			3. Demonstrate the ability to utilize Photoshop?s liquify tools to modify a person?s body.(ILO3)
292	CIS 155	Flash	1. Utilize several Flash tools and tactics learned throughout the course to produce an interactive flash-based website (ILO1)
			2. Demonstrate the ability to effectively utilize the timeline and motion tween affects to produce animation. (ILO2)
			3. Demonstrate the ability to use bone kinematics in a Flash animation. (ILO3)
293	CIS 160	CISCO IT Essentials: Hardware and Software	1. Diagnose and repair two (2) computer problems. (ILO2)
			2. Practice safe work habits. (ILO3)
			3. Install and configure an operating system. (ILO2)

			4. Select computer components based on customer need and complete the installation of a desktop computer tower.
294	CIS 162	Cisco CCNA Discovery 1	1. Plan and install a home or small business network and connect it to the Internet, sharing resources such as files and printers among multiple computers. (ILO1, ILO2, ILO4, ILO5)
			2. Verify and troubleshoot network and Internet connectivity. (ILO1, ILO2, ILO4, ILO5)
			3. Recognize and mitigate security threats to a home or small business network. (ILO1, ILO2, ILO4, ILO5)
			4. Configure and verify common Internet applications as well as basic IP services through a GUI. (ILO1, ILO2, ILO4, ILO5)
			5. Build the access layer of an Ethernet network, build the distribution layer of a network, and plan and connect a local network.
			6. Configure an integrated AP and wireless client.
295	CIS 163	Cisco CCNA Discovery 2	1. Describe the structure of the Internet and how Internet communications occur between hosts. (ILO1,ILO2, ILO4, ILO5)
			2. Install, configure, and troubleshoot Cisco IOS devices for Internet and server connectivity. (ILO1, ILO2, ILO4, ILO5)
			3. Plan a basic wired infrastructure to support network traffic. (ILO1, ILO2, ILO4, ILO5)
			4. Implement a basic WAN connectivity using Telco services. (ILO1, ILO2, ILO4, ILO5)
			5. Demonstrate proper disaster recovery procedures and perform server backups. (ILO1, ILO2, ILO4, ILO5)
			6. Monitor network performance and isolate failures. (ILO1, ILO2, ILO4, ILO5)
			7. Troubleshoot problems using an organized, layered procedure. (ILO1, ILO2, ILO4, ILO5)
			8. Describe the OSI model and the process of encapsulation. (ILO1, ILO2, ILO4, ILO5)
296	CIS 164	Cisco CCNA Discovery 3	1. Implement a LAN for an approved network design (ILO1, ILO2, ILO4, ILO5)
			2. Configure a switch with VLANs and inter-switch communication (ILO1, ILO2, ILO4, ILO5)
			3. Implement access lists to permit or deny specified traffic (ILO1, ILO2, ILO4, ILO5)
			4. Implement WAN links (ILO1, ILO2, ILO4, ILO5)
			5. Configure routing protocols on Cisco devices (ILO1, ILO2, ILO4, ILO5)
			6. Perform LAN, WAN, and VLAN troubleshooting using a structured methodology and the OSI model (ILO1, ILO2, ILO4, ILO5)
297	CIS 165	Cisco CCNA Discovery 4	1. Design a simple Internetwork using Cisco technology (ILO1, ILO2, ILO4, ILO5)
			2. Design an IP addressing scheme to meet LAN requirements (ILO1, ILO2, ILO4, ILO5)
			3. Create an equipment list to meet LAN design requirements (ILO1, ILO2, ILO4, ILO5)
			4. Create and present a proposal to a customer (ILO1, ILO2, ILO4, ILO5)
298	CIS 202	Programming in Visual Basic	1. Design and create a VB program that incorporates good design principles and meets specifications using the sequence control structure. (ILO1, ILO2, ILO4, ILO5)
			2. Design and create a VB program that incorporates good design principles and meets specifications using the decision/branching control structure. (ILO1, ILO2, ILO4, ILO5)
			3. Design and create a VB program that incorporates good design principles and meets specifications using the loop/iteration control structure. (ILO1, ILO2, ILO4, ILO5)
299	CIS 210	Programming in C++	1. Communicate ideas and solutions to problems in writing. (ILO1, ILO2,ILO3)
			2. Compose and create computer programming algorithms with correct computer programming instructions, syntax, style and format. (ILO1, ILO2,ILO3)
			3. Demonstrate personal responsibility by attending and completing in full the complete midterm examination. (ILO1, ILO2,ILO3)
300	CIS 212	XHTML, CSS, and JavaScript	1. Write correctly formatted XHTML. (ILO1, ILO2, ILO4, ILO5)
			2. Write correctly formatted CSS. (ILO1, ILO2, ILO4, ILO5)
			3. Add interactivity to web pages using JavaScript. (ILO1, ILO2, ILO4, ILO5)
301	CIS 214	PHP and MySQL	1. Use PHP to connect to a MySQL database and retrieve a Result Set. (ILO1, ILO2, ILO4, ILO5)
			2. Use PHP logical and comparison operators, branching structures (if/switch), and loop structures (for, foreach, do, do/while). (ILO1, ILO2, ILO4, ILO5)
			3. Debug common PHP programming mistakes and setup a local development environment on home PCs. (ILO1, ILO2, ILO4, ILO5)
			4. Use the PHP manual to lookup built-in PHP functions and create user defined functions and classes. (ILO1, ILO2, ILO4, ILO5)
302	COUN 100	Personal and Career Development	1. Identify career options with emphasis on individual personal interests, abilities, and values.
			2. Appraise the perception of the ?world of work? and develop an understanding of the process that ensures successful identification and obtainment of a specific major/degree and employment/career.
			3. Appraisal of acquired skills that recognize the methodology and techniques for creating opportunities for successful career planning.

303	COUN 120	College Success Skills	1. Identify ten campus resources and be able to explain what resources they find are important for their personal college success.(ILO1,ILO3,ILO4)
			2. Identify three study tips and three ways to take notes and state how improving these techniques are important for student college success.(ILO2,ILO3,ILO4)
			3. Identify what is their short term/long term academic goal(s).ILO1,ILO2,ILO3)
304	CS 170	Introduction to Unix/Linux	1. Communicate to the Unix/Linux shell (command interpreter), and run commands to obtain system and user information and manual pages. (ILO1,ILO2,ILO4)
			2. Apply Unix/Linux file redirection and pipelining to combine utilities to perform complex tasks. (ILO1,ILO2,ILO4)
			3. Create and manage files and directories, set and use file permissions, and navigate the Unix/Linux file system. (ILO1,ILO2,ILO4)
305	CS 220	Introduction to Object-Oriented Programming Using Java	1. Design, code, and test a complete Java program that correctly employs sequential, conditional and iterative control constructs to satisfy the program?s functional specification. (ILO1, ILO2, ILO4)
			2. Understand Primitive Data Types, Selection Statements, Loops, Methods, and Arrays and their implementations in the Java Programming Language. (ILO1, ILO2, ILO4)
			3. Write a working program utilizing methods. (ILO1, ILO2, ILO4)
			4. Write a working program utilizing arrays. (ILO1, ILO2, ILO4)
306	CS 230	Intermediate Object-Oriented Programming Using Java	1. Understand Objects and Classes, and their implementations in the Java language.(ILO1, ILO2,
			2. Understand Strings and Text IO, and their implementations in the Java language.(ILO1, ILO2,
			3. Understand Inheritance, Polymorphism, Abstract Classes and Interfaces, and their implementations in the Java language.(ILO1, ILO2, ILO4)
			4. Write a complete Java program that declares listener classes and inner classes, registers listener objects, and correctly deals with ActionEvent, MouseEvent, and KeyEvent.(ILO1, ILO2, ILO4)
307	CS 280	Assembly Language and Machine Organization	1. Correctly describe the internal binary representation of base 10 integer and floating point values, character values, and logical values.(ILO1, ILO2, ILO4)
			2. Describe nature and role of the system bus, channels, controllers, interfaces, direct memory access (DMA), cache memory, real memory and virtual memory.(ILO1, ILO2, ILO4)
			3. Demonstrate an understanding of all steps involved in the assembly language programming process by writing/editing, assembling, compiling, linking and loading a simple assembly language program.(ILO1, ILO2, ILO4)
			4. Demonstrate an understanding of addressing modes by writing/editing, assembling, compiling, linking and loading a simple assembly language program that employs a variety of addressing modes to reference stored scalar variables and array elements.(ILO1, ILO2, ILO4)
308	CSI 100	Introduction to Correctional Systems	1. Identify the history and development of corrections. (ILO4, ILO5)
			2. Identify the difference between local, state and federal correctional systems. (ILO2, ILO4)
			3. Identify the criteria involved in sentencing convicted criminals. (ILO1, ILO2, ILO4, ILO5)
309	CSI 104	Concepts of Probation and Parole	1. Identify the historical development of the Probation system. (ILO4, ILO5)
			2. Identify the different roles of a Probation and Parole Officer. (ILO2, ILO4)
			3. Identify the basic concepts of Probation and Parole. (ILO1, ILO2, ILO3, ILO4, ILO5)
310	CSI 206	Correctional Interviewing and Counseling	1. Understand the difference between Interviewing and Interrogation. (ILO2, ILO3, ILO4, ILO5)
			2. Identify skills necessary to effectively interview someone. (ILO1, ILO2, ILO3, ILO4
			3. Identify the concepts of counseling. (ILO2, ILO3, ILO4)
311	CSI 208	Control and Supervision of Inmates	1. Identify the basic principles of inmate supervision. (ILO4, ILO5)
			2. Identify the concepts of inmate control in a correctional environment. (ILO2, ILO3, ILO4)
			3. Identify the methods and purposes of institutional safety and how it relates to the structure and organization of inmate control and supervision. (ILO2, ILO4, ILO5)
312	DA 101	Introduction to Dental Assisting	1. Properly define caries. (ILO2, ILO3)
			2. Identify 2 common complaints, symptoms, or data that may indicate a medically compromised patient that should be discussed with the dentist or dental hygienist. (ILO2, ILO3)
			3. Identify the members of the dental health team and their roles in gathering patient information and assessment. (ILO2, ILO3)
313	DA 102	Beginning Radiology	1. Identify the components of the x-ray machine and their individual functions. (ILO2, ILO3)
			2. Define Dental intraoral film and describe intraoral film packaging. (ILO2, ILO3)
			3. Describe duplicating film. (ILO2, ILO3)
314	DA 103	Dental Materials for the Dental Assistant	1. Determine impression for a sepcific procedure. (ILO2, ILO3)
			2. List the desirable qualities of an impression material. (ILO2, ILO3)
			3. Differentiate between a model, cast and die. (ILO2, ILO3)
315	DA 104	Occupational Health for the Dental Assistant	1. Properly duplicate basic chairside duties of a dental assistant in a general dental practice. (ILO2, ILO3)
			2. Define the types of exposed and occupational risks associated with the profession of dental assisting. (ILO2, ILO3)

316	DA 105	Introduction to Chairside Dental Assisting	1. Identify the proper steps in the use of retraction cord before taking a final impression. (ILO2,
			2. List the most common operator positions when working with the dentist. (ILO2, ILO3)
			3. List the common isolation techniques and their uses in restorative dentistry. (ILO2, ILO3)
317	DA 106	Dental Specialties	1. Identify the proper steps in the use of retraction cord before taking a final impression. (ILO2,
			2. Describe the entire procedure of a root canal from begining to end. (ILO2, ILO3)
			3. Indicate key safety elements used in all dental procedures and how it relates to the role of the dental assistant. (ILO2, ILO3)
318	DA 107	Advanced Dental Assisting	1. Perform all RDA tasks in a smooth manner and be able to anticipate the dentist's needs. (ILO1, ILO2)
			2. Pass a Mock board Dental Assistant Examination. (ILO1, ILO2)
			3. Safely demonstrate the fabrication of and cementing of a crown, while ensuring all precautionary measures are completed. (ILO2, ILO3)
319	DA 108	Practice Management for the Dental Assistant	1. Prepare complete, accurate patient records and maintain them. (ILO2, ILO3)
			2. Successfully interact in a mock dental office situation, with patients in person-to-person contacts and when gathering or receiving telephone calls. (ILO1, ILO2)
			3. Write appropriate business letters. (ILO1, ILO2)
320	DA 109	Clinical Dental Experiences	1. Operate as a member of the dental team in private and clinical settings. (ILO1, ILO3)
			2. Function as a chairside dental assistant in both standard and specialty dental practices, in a manner which is satisfactory to the supervising dentist. (ILO1, ILO3)
			3. Maintain records documenting clinical performance. (ILO1, ILO2)
321	DA 110	Ethics and Jurisprudence	1. Define malpractice in application to dental assisting and demonstrate beginning knowledge of jurisprudence terminology in dentistry. (ILO2, ILO4)
			2. List five instances in which the practioner would have legal requirements to report confidential matter that relate to health. (ILO2, ILO3)
322	DA 111	Dental Assisting Seminar	1. Pass a mock Board RDA certification examination. (ILO1, ILO2)
			2. List and recall biomedical sciences. (ILO2, ILO4)
323	DA 112	Dental Health Education	1. Recognize he effect of fluoride on teeth. (ILO2, ILO3)
			2. Prepare personalized chairside aide. (ILO2)
324	DSPS 018	Educational Assessment and Evaluation	1. Take responsibility for attending every testing session and complete hours required to receive credit for course. (ILO3)
			2. Identify their needs based on their functional limitations and utilize recommended services to attain goals. (ILO3, ILO4)
325	DSPS 050	Adapted Keyboarding	1. To improve communication between IVC personnel and student, the student will be taught to create a personal email address or utilize the one provided by IVC. They will be taught how to add it to their personal information on Webstar. (IL01, IL03, IL04, ILO5)
326	DSPS 052	Computer Access Evaluation	1. log into the High Tech Center to record their hours so that they can receive credit for this course. Instructor will demonstrate the process to the students and they will ask for assistance as needed. By the end of the semester, 100% of students will be logging into the lab independently or be responsible for requesting assistance from instructor or lab assistants. (IL01, IL03)
327	DSPS 054	Computer Access I	1. To improve communication between IVC personnel and student, the student will be taught to create a personal email address or utilize the one provided by IVC. They will be taught how to add it to their personal information on WebStar. (IL01, IL03, IL04, ILO5)
328	DSPS 056	Computer Access II	1. Students will be responsible for logging into the High Tech Center to record their hours so that they can receive credit for this course. Instructor will demonstrate the process to the students and they will ask for assistance as needed. By the end of the semester, 100% of students will be logging into the lab independently or be responsible for requesting assistance from instructor or lab assistants. (IL01, IL03)
			2. To improve communication between IVC personnel and student, the student will be taught to create a personal email address or utilize the one provided by IVC. They will be taught how to add it to their personal information on Webstar. (IL01, IL03, IL04, ILO5)
329	DSPS 058	Computer Access Projects	1. Students will be responsible for logging into the High Tech Center to record their hours so that they can receive credit for this course. Instructor will demonstrate the process to the students and they will ask for assistance as needed. By the end of the semester, 100% of students will be logging into the lab independently or be responsible for requesting assistance from instructor or lab assistants. (IL01, IL03)
			2. To improve communication between IVC personnel and student, the student will be taught to create a personal email address. They will be taught how to add it to their personal information on Webstar. (IL01, IL03, IL04, ILO5)
			3. Student will demonstrate knowledge of how to use their email address by sending an email to their DSPS 58 instructor before the completion of their hours. (IL01, IL03, ILO5)

330	ECON 101	Introduction to Micro Economics	1. Organize and prioritize costs and benefits of a given issue. Write an analysis using the available data. (ILO1,ILO2)
			2. Identify and understand the supply and demand model. Use the model to predict price and quantity changes in markets given changes in the determinants of supply and demand. (ILO2, ILO5)
			3. Show an ability to think at the margin. Use marginal thinking to solve problems. (ILO2)
331	ECON 102	Intro to Macro Economics	1. Organize and prioritize costs and benefits of a given issue. Write an analysis using the available data. (ILO1, ILO2, ILO3)
			2. Identify and understand the aggregate supply and demand model. Use the model to predict price level, output and employment changes given various shocks to the economy. (ILO2, ILO3, ILO5)
			3. Show comprehension of both Fiscal and Monetary Policy. Illustrate potential pros and cons of each policy. (ILO2, ILO3)
332	EDUC 202	Tutor Training	1. demonstrate communication skills necessary for encouraging student learning and engagement (ILO1).
333	ELTR 120	Electronic Devices	1. Familiarize with Resistive AC circuits and their basic formulas. (ILO2, ILO4)
			2. Describe the function of Inductors in DC and AC circuits using their voltage and current equations. (ILO2, ILO4)
			3. Analyze series RL circuits and obtain their respective behavior equations. (ILO2, ILO4, ILO5)
			4. Construct, test and troubleshoot various series circuits using Resistors, Inductors, and Capacitors. (ILO2, ILO4, ILO5)
334	ELTR 140	Electronic Circuits & Semiconductors	1. Analyze AC circuits. (ILO2, ILO4)
			2. Describe the functions of Capacitors and Inductors. (ILO2, ILO4)
			3. Analyze RC, Rl, and RLC circuits and obtain their respective equations. (ILO2, ILO4)
			4. Construct, Test, and Troubleshoot various RC, RL, and RLC circuits. (ILO2, ILO4)
335	ELTR 220	Digital Instrumentation Measurements	1. Describe the functions of Operational Amplifiers in different configurations. (ILO2, ILO4, ILO5)
			2. Analyze Instrumentation Circuits with Operational Amplifiers with different types of sensors. (ILO2, ILO4, ILO5)
			3. Construct, Test, and troubleshoot various instrumentation circuits using Op-Amps and A/D converters. (ILO2, ILO4, ILO5)
			4. Write and design software programs based on microcontrollers for measuring various physical variables. (ILO2, ILO4, ILO5)
336	ELTR 240	Digital Logic Circuits	1. Familiarize with Number Systems and Conversion Methods. ILO2, ILO4, ILO5.
			2. Describe the functions of Logic Gates and reduction techniques using Boolean Algebra and Karnaugh Maps. ILO2, ILO4, ILO5.
			3. Analyze Truth tables and obtain their respective logic equation and digital circuit. ILO2, ILO4,
			4. Construct, test and troubleshoot various sequential circuits using Flip-Flops, counters, PLDs, and microcontrollers. ILO2, ILO4, ILO5.
			5. Write software programs for embedded processors, and test them using proto boards. ILO2, ILO4, ILO5.
337	ELTT 101	Electrical Trades I	1. understand basic math as it pertains to basic electricity. (ILO2, ILO3)
			2. understand ohms law, series and parallel circuits, also combination circuits. (ILO2, ILO3)
			3. understand basic electromagnetic theory which will include magnetism, field strength, motor action and definition of electromagnetism. (ILO2, ILO3)
			4. understand basic motors and generators. (ILO2, ILO3)
338	ELTT 102	Electrical Trades II	1. understand transformer construction and parts in a distribution transformer. (ILO2, ILO3)
			2. understand three phase transformers and different types of three phase circuits and connections. (ILO2, ILO3)
			3. understand inductive reactance, capacitive reactance and impedance. (ILO2, ILO3)
			4. understand basic power distribution/power grids. (ILO2, ILO3)
339	ELTT 103	Electrical Trades III	1. understand industry rules, regulations, and safety standards. (ILO1, ILO2, ILO3)
			2. describe the various parts of a distribution power pole including but not limited to crossarms, deadend arms, insulators, transformers, and down guys. (ILO2, ILO3)
			3. understand the function of overhead transformers including three phase hookups, analyze transformer construction, and discuss application to Imperial Irrigation District standards and the utility industry. (ILO2, ILO3)
			4. understand underground primary voltage connections including; 600 amp tee bodies, 200 amp elbows, and quick terms used in transitioning from underground to overhead feeds. (ILO2, ILO3)
340	ELTT 104	Electrical Trades IV	1. understand industry rules, regulations, and safety standards. (ILO2, ILO3)
			2. understand line trucks, derricks, digging equipment, and bucket trucks, there uses, and safety when using equipment. (ILO2, ILO3)
			3. understand and describe the overhead distribution system including delta and wye connections, cutouts, switches, reclosers, sectionalizers, capacitors, and voltage regulators. (ILO1, ILO2, ILO3)

			4. understand the various troubleshooting techniques on underground and overhead transformers, and cable fault location. (ILO2, ILO3)
341	EMT 105	Emergency Medical Technician I	1. Demonstrates the application of a traction splint in proper sequence and using standard precautions. (ILO 2, ILO 3)
			2. Demonstrate the ability to use critical thinking skills to assess and treat patients in emergency settings. (ILO1, ILO2, ILO5)
			3. Demonstrate the use of federal and state laws in relation to on scene emergencies. (ILO1)
			4. Write a narrative report from data supplied in various forms including written input, verbal input, and visual observations. The report will be legible, will have correct spelling and punctuation, and will demonstrate the proper use of grammar.(ILO1)
			5. Complete an assessment of a medical patient, in an oral station, in proper sequence and with proper care, using a National standard check off sheet.(ILO 1, ILO 2)
			6. Complete a patient assessment on a trauma Pt in proper sequence and using standard precautions. This is a Verbal and Hands on skill.(ILO 2, ILO 3, ILO 4)
			7. Demonstrate an ability to recommend appropriate diagnostic and therapeutic procedures. (ILO2)
342	EMT 107	Emergency Medical Technician 1 Refresher	1. Complete a trauma patient assessment and spinal immobilization on a supine patient in simulated setting. (ILO1, ILO2, ILO3, ILO5)
			2. Demonstrate proficiency in federal, state, and/or local regulations with regards to emergency care. (ILO2, ILO3)
343	EMTP 200	EMT - Paramedic Didactic 1	1. Perform in the role of Basic Life Support Instructor according to the guidelines of the American Heart Association. (ILO1, ILO5)
			2. Demonstrate competent trauma victim assessments and resuscitation as measured using two observer evaluations during simulated scenario practice. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Progress to competent professional behavior as measured by the Global Affective Professional Behavior Evaluation. (ILO1, ILO3, ILO5)
			4. Demonstrate the ability to perform a comprehensive physical exam and communicate the findings. (ILO1, ILO2, ILO3)
			5. Demonstrate the ability to identify and utilize equipment in an exam. (ILO2, ILO3)
			6. Demonstrate proper technique and precautions with equipment. (ILO2, ILO3)
			7. Demonstrate the ability to manage airways. (ILO2, ILO3)
			8. Demonstrate the ability to perform an exam on a trauma patient. (ILO2, ILO3)
			9. Communicate and document care given. (ILO1, ILO2, ILO3, ILO4)
344	EMTP 210	EMT - Paramedic Didactic 2	1. Assess and treat medical problems including cardiac patients as measured by using two observer evaluations during simulations. (ILO2, ILO3, ILO4)
			2. Demonstration of entry level skills attainment as measured by passing a skills check-off using matrix. (ILO2, ILO3)
			3. Demonstrate professional behavior competency as measured by Global Affective Professional Behavior evaluation matrix. (ILO1, ILO2, ILO3, ILO4, ILO5)
			4. Demonstrate ability to formulate a field impression on a medical patient. (ILO2, ILO3)
			5. Demonstrate ability to formulate a field impression on a neonatal or pediatric patient. (ILO2,
			6. Demonstrate ability to formulate a field impression on a geriatric and/or chronically ill patient. (ILO2, ILO3)
			7. Demonstrate ability to perform pediatric resuscitation. (ILO2, ILO3, ILO4)
			8. Demonstrate ability to manage field scene and communicate to other health care providers. (ILO1, ILO2, ILO3)
			9. Demonstrate knowledge of PEPP skills. (ILO2, ILO3)
345	EMTP 215	EMT - Paramedic Didactic 3	1. Demonstrate competency in the cognitive and proctical skills requirement to successfully complete the Advance Cardiovascular Life Support(ACLS) Provider Course. (ILO1, ILO2, ILO3, ILO4)
			2. Demonstrate competency in the cognitive and proctical skills requirement to successfully complete the Pediatric Advanced Life Support (PALS) Provider Course. (ILO1, ILO2, ILO3, ILO4)
			3. Demonstrate competency in areas of professional behaviors. Instructor evaluation of student using Global Affective Professional Behavior Evaluation Rubric. (ILO1, ILO2, ILO3, ILO4)
			4. Identify equipment needed for a given scenario. (ILO1, ILO2, ILO3)
			5. Identify hospital procedures related to ambulance arrival. (ILO2, ILO3)
346	EMTP 225	EMT - Paramedic Clinical I	1. demonstrate competencies in paramedic clinical skills at an entry level as measured by instructor observation in the clinical setting and daily skills evaluation using a grading rubric. (ILO1, ILO2, ILO3, ILO5)
			2. do entry level patient assessment of live patients in a clinical setting. Evaluation using patient assessment rubric by clinical preceptors of a minimum number of patients assessed. (ILO1, ILO2, ILO3)

			3. develop competence in professional behaviors using Global Affective Professional Behavior Evaluation rubric. (ILO1, ILO2, ILO3, ILO4)
347	EMTP 235	EMT - Paramedic Field I	1. thoroughly assess, provide care, communicate with patients, and relay appropriate information to the station as determined by the field preceptor during live and simulated situations and measured by field evaluation grading rubric. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. successfully pass all instructor/program director evaluations of practice based on field grading evaluation rubric every 5th shift. (ILO2, ILO3, ILO4)
			3. successfully pass the evaluation of competencies of professional behavior using the Global Affective Professional Behavior Evaluation rubric. (ILO1, ILO2, ILO3, ILO4, ILO5)
			4. recognize indications for intravenous infusions and solutions. (ILO2, ILO3)
			5. recognize a variety of cardiac rhythms and treatment. (ILO2, ILO3, ILO4)
			6. apply cardiac monitoring equipment in the pre-hospital setting. (ILO2, ILO3)
348	EMTP 245	EMT - Paramedic Field II	1. thoroughly assess, provide care, communicate with patients, and efficiently relate information to the station according to the evaluation rubric completed by field preceptors. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. successfully pass all field evaluations by the instructor/program director based on the grading standards and evaluation rubric for entry-level paramedics (done every 5th shift while in the field). (ILO2, ILO3)
			3. successfully pass all entry level competencies for professional behavior using the Global Affective Professional Behavior Evaluation rubric. (ILO1, ILO2, ILO3, ILO4, ILO5)
			4. interpret assessment information and take appropriate action in the field. (ILO1, ILO2, ILO3, ILO4)
			5. correctly identify and operate all equipment used in the field setting. (ILO2, ILO3)
349	ENGL 008	Basic English Composition I	1. Generate essays with a clear thesis statement or controlling idea. (ILO1, ILO2, ILO4)
			2. Write essays showing support for a thesis statement or controlling idea. (ILO1, ILO2, ILO4)
			3. Construct complete sentences with few errors in sentence structure such as fragments, comma splices, run-on sentences. (ILO1, ILO2, ILO3, ILO4)
			4. Compose a multi-paragraph essay response to a reading. (ILO1, ILO2, ILO4, ILO5)
350	ENGL 009	Basic English Composition II	1. Compose a multi-paragraph essay that responds to an essay prompt with a clear controlling idea or thesis statement. (ILO1, ILO2, ILO4)
			2. Compose a multi-paragraph essay with a clear organizational structure and adequate support. (ILO1, ILO2, ILO3, ILO4)
			3. Compose a multi-paragraph essay that uses correctly formed sentences with virtually no sentence-level or grammar errors. (ILO1, ILO2, ILO4)
			4. Develop a research paper that effectively synthesizes ideas and information from multiple sources and utilizes correct MLA formatting of citations. (ILO1, ILO2, ILO3, ILO4, ILO5)
351	ENGL 010	English Composition - Accelerated	1. Compose a multi-paragraph essay that responds to a prompt and is structured around a controlling idea or thesis. (ILO1, ILO2, ILO5)
			2. Compose a multi-paragraph essay with few errors in sentence structure such as fragments, comma splices, and run-on sentences. (ILO1, ILO2)
			3. Demonstrate an understanding of basic research strategies, including appropriate use and correct documentation of research materials. (ILO1, ILO2, ILO3, ILO4)
			4. Demonstrate critical thinking skills by analyzing and responding to a selected reading. (ILO1, ILO2, ILO4, ILO5)
352	ENGL 018	Reading I: Basic Development	1. Locate and analyze both stated and implied subjects and main ideas in paragraphs. (ILO1, ILO2)
			2. Locate major and minor details and identify the author's organization of ideas in expository paragraphs and simple essays. (ILO1, ILO2)
			3. Use context clues and word parts to analyze and learn unknown vocabulary. (ILO1, ILO2)
			4. Show growth in reading skills by attending and completing assignments (blocks) in the online reading lab program. (ILO1, ILO2, ILO3, ILO4)
353	ENGL 019	Reading II: Intermediate Development	1. Use knowledge of main idea, major and minor details to compose outlines, paraphrases and summaries of college-level multi-paragraph essays, articles, editorials and textbook chapters. (ILO1, ILO2, ILO4)
			2. Use critical thinking skills (analysis, synthesis, and evaluation) to respond to college level texts. (ILO1, ILO2)
			3. Use a variety of strategies to analyze and learn college level vocabulary. (ILO1, ILO2)
			4. Show growth in reading skills by attending and completing assignments (blocks) in the online reading lab program. (ILO1, ILO2, ILO3, ILO4)
354	ENGL 051	Individualized Writing Skills	1. Demonstrate personal responsibility by completing the 36 required lab hours (ISLO 3).
			2. Display greater confidence in writing skills (ISLO1).
			3. Improve writing skills (ISLO1).
355	ENGL 059	Grammar and Usage	1. Demonstrate up to four techniques for repairing a comma splice error. (ILO1)

		Review	2. Demonstrate ability to use present-tense verbs correctly. (ILO1)
			3. Demonstrate ability to use past participle verb forms correctly. (ILO1)
356	ENGL 060	Practical English for the Workplace	1. Identify the eight parts of speech. (ILO2, ILO4)
			2. Identify two people, companies, or topics and compare differences and similarities of each. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Deliver a well-organized, professional interview. (ILO1, ILO2, ILO3, ILO4)
357	ENGL 101	Composition and Rhetoric	1. Demonstrate mastery of research strategies, including appropriate use and correct documentation of research materials. (ILO1, ILO4, ILO5)
			2. Demonstrate mastery of pre-writing strategies, including brainstorming and outlining. (ILO1,
			3. Develop an essay of multiple pages that effectively presents and strongly supports a clear thesis statement. (ILO1, ILO2)
358	ENGL 102	Introduction to Literature	1. Recognize the development of character in fiction. (ILO1, ILO2)
			2. Identify and become familiar with some academically relevant texts within the literary canon representing a variety of cultures and backgrounds. (ILO5)
			3. Compose clear sentences that correctly use subjects without subject omission or subject doubling. (ILO1, ILO2)
359	ENGL 111	Reading IV: Analytical & Critical Reading	1. Identify the three main persuasive appeals in selective texts. (ILO1, ILO2)
			2. Show growth in the ability to distinguish and identify word meanings appropriate to the college-transfer level. (ILO1, ILO2)
			3. Identify persuasive techniques in print or visual or aural media. (ILO2, ILO4)
			4. Identify, analyze, and critique inference and its effects. (ILO1, ILO2)
360	ENGL 201	Advanced Composition	1. Interpret appropriately and analyze a written argument for claim, evidence, reasoning, fallacies, and overall effectiveness. (ILO1, ILO2)
			2. Develop an effective written argument containing a factual claim, providing valid and appropriate evidence, utilizing appropriate reasoning strategies, and avoiding fallacies. (ILO1, ILO2, ILO3)
			3. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
361	ENGL 220	Survey of American Literature I	1. Synthesize and evaluate American literature (including genre, themes, and historical contexts) from the American Renaissance to the present. (ILO1, ILO2, ILO5)
			2. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
			3. Access and interpret literary texts using scholarly sources (drawn from the library catalog, electronic databases, and the internet) as support. Evaluate publishers/authors. (ILO1, ILO2, ILO4)
			4. Perform literary analysis featuring close reading skill, coherent interpretation, thoughtful interaction with themes/content, and extension of literary text/s. (ILO1, ILO2, ILO3)
362	ENGL 221	Survey of American Literature II	1. Synthesize and evaluate American literature (including genre, themes, and historical contexts) from the American Renaissance to the present. (ILO1, ILO2, ILO5)
			2. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
			3. Access and interpret literary texts using scholarly sources (drawn from the library catalog, electronic databases, and the internet) as support. Evaluate publishers/authors. (ILO1, ILO2, ILO4)
			4. Perform literary analysis featuring close reading skill, coherent interpretation, thoughtful interaction with themes/content, and extension of literary text/s. (ILO1, ILO2, ILO3)
363	ENGL 222	Survey of World Literature	1. Synthesize and evaluate world literature (including genre, themes, and historical contexts) from the earliest known written works to the Renaissance. (ILO1, ILO2, ILO5)
			2. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
			3. Access and interpret literary texts using scholarly sources (drawn from the library catalog, electronic databases, and the internet) as support. Evaluate publishers/authors. (ILO1, ILO2, ILO4)
			4. Perform literary analysis featuring close reading skill, coherent interpretation, thoughtful interaction with themes/content, and extension of literary text/s. (ILO1, ILO2, ILO3)
364	ENGL 223	Survey of World Literature	1. Synthesize and evaluate world literature (including genre, themes, and historical contexts) from the Renaissance to the present. (ILO1, ILO2, ILO5)
			2. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
			3. Access and interpret literary texts using scholarly sources (drawn from the library catalog, electronic databases, and the internet) as support. Evaluate publishers/authors. (ILO1, ILO2, ILO4)
			4. Perform literary analysis featuring close reading skill, coherent interpretation, thoughtful interaction with themes/content, and extension of literary text/s. (ILO1, ILO2, ILO3)
365	ENGL 224	Survey of English Literature	1. Synthesize and evaluate English literature (including genre, themes, and historical contexts) from the earliest Medieval works to the Renaissance. (ILO1, ILO2, ILO5)
			2. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
			3. Access and interpret literary texts using scholarly sources (drawn from the library catalog, electronic databases, and the internet) as support. Evaluate publishers/authors. (ILO1, ILO2, ILO4)
			4. Perform literary analysis featuring close reading skill, coherent interpretation, thoughtful interaction with themes/content, and extension of literary text/s. (ILO1, ILO2, ILO3)

366	ENGL 225	Survey of English Literature	1. Synthesize and evaluate English literature (including genre, themes, and historical contexts) from the Renaissance to the present. (ILO1, ILO2, ILO5)
			2. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
			3. Access and interpret literary texts using scholarly sources (drawn from the library catalog, electronic databases, and the internet) as support. Evaluate publishers/authors. (ILO1, ILO2, ILO4)
			4. Perform literary analysis featuring close reading skill, coherent interpretation, thoughtful interaction with themes/content, and extension of literary text/s. (ILO1, ILO2, ILO3)
367	ENGL 226	Introduction to Mythology	1. Show a broad understanding of common structures and themes found in mythological texts from around the world. (ILO1, ILO2, ILO5)
			2. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
			3. Access and interpret literary texts via various sources (drawn from Internet, library catalogue, and electronic databases); and evaluate publishers/authors. (ILO1, ILO2, ILO4)
			4. Analyze myths from different historic periods and different cultures. (ILO1, ILO2, ILO3)
368	ENGL 230	Introduction to Film History and Criticism	1. Identify a variety of film techniques and technical changes from the history of film in response to objective examination questions based upon lecture and readings. (ILO1, ILO2, ILO4)
			2. Write critical and analytical papers about selected films representative of three major film genres (musical, western, and horror) and one foreign-language film. (ILO1, ILO2, ILO4, ILO5)
			3. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
369	ENGL 250	Creative Writing	1. compose a short story with adequate development of plot, theme, and character development, with properly formatted dialogue, description, and literary devices. ISLO1, ISLO2
			2. compose a short poem with demonstrated understanding of line length, alliteration, assonance, rhyme, meter, imagery, symbolism, and metaphor.ISLO1, ISLO2
			3. proofread, edit, analyze, and critique fellow students? stories and poems based on their mastery of the appropriate elements as described above.ISLO1, ISLO2, ISLO3, ISLO5
370	ENGL 270	Introduction to Linguistics	1. identify basic elements of English phonetics, phonology, morphology, syntax, semantics, pragmatics, and sociolinguistics as they relate to success and failure in communication between people.
			2. accurately describe the universal and variant elements of human language and language learning.
			3. identify the nature of errors in non-standard dialects as they relate to the core areas of language study listed in #1 above.
371	ENGR 210	Statics	1. Solve problems involving statics of particles. (ILO2)
			2. Understand and perform calculations using vector algebra. (ILO2)
			3. Solve problems involving moments of inertia. (ILO2)
372	ENGR 212	Dynamics	1. Solve problems involving kinetics of particles. (ILO2)
			2. Solve problems involving kinematics of rigid bodies. (ILO2)
			3. Solve problems involving plane motion of rigid bodies. (ILO2)
373	ENGR 240	Electric Circuit Analysis	1. Solve problems involving resistive circuits. (ILO2)
			2. Solve problems involving circuit theorems of Thevenin and Norton. (ILO2)
			3. Understand the complete response of RL and RC circuits. (ILO2)
374	ENVS 110	Environmental Science	1. identify an important issue in environmental science, conduct research via literature review, interviews with experts, and/or hands-on projects, and document the information sources by citing references parenthetically within a research paper and listing them at the end, using a standard documentation style, such as MLA. (ILO4)
			2. use ecosystems thinking to design and create a visual representation of a sustainable human settlement which functions on ecosystem principles and fulfills the ethic of caring for the earth and caring for the people. (ILO5)
			3. identify an important issue in environmental science, conduct research on it via literature review, interviews with experts, and/or hands-on projects, and clearly communicate the content learned by writing a research paper and/or giving a presentation to the class. (ILO1)
375	ESL 001	Grammar and Composition for ESL 1	1. Demonstrate the skill of describing actions in the moment by selecting grammatically appropriate questions and statements (ISLO 1).
			2. Demonstrate the skill of describing routines by selecting grammatically appropriate questions and statements (ISLO1).
			3. Write correct forms of the verb+ ing using appropriate spelling rules (ISLO1).
			4. Follow common classroom instructions (ISLO1).
			5. Students will be able to recognize and select the subject of a statement or question by identifying the correct noun or pronoun (ISLO1, ISLO2).
376	ESL 002	Grammar and Composition for ESL 2	1. Demonstrate knowledge of definite and indefinite articles by completing sentence (ISLO1, ISLO2).
			2. Differentiate the correct use of prepositions with regard to time or location (ISLO1, ISLO2).
			3. Identify the correct form of a verb to convey the meaning of a completed past event (ISLO1, ISLO2).

			4. Identify the correct form of a verb to convey the meaning of a routine or a repeated action in the third person singular present tense form (ISLO1, ISLO2).
			5. Differentiate the correct form of a verb to use as determined by a time clue or time expression used to indicate either a simple completed past event or a simple repeated action/routine in the present tense (ISLO1, ISLO2).
377	ESL 003	Grammar and Composition for ESL 3	1. Demonstrate the ability to select the correct verb tense (simple present and present progressive) needed to complete a passage in English [ISLO1, ISLO2].
			2. Demonstrate an understanding of verb-gerund and verb-infinitive combinations by analyzing sentences for correct usage [ISLO1, ISLO2].
			3. Demonstrate the ability to choose the correct verb tense (simple past/present perfect) needed to complete a sentence in English [ISLO1, ISLO2].
			4. Demonstrate an understanding of modal verbs by choosing the correct modal needed to complete a sentence in English [ISLO1, ISLO2].
			5. Demonstrate the ability to make negative sentences in a variety of verb tenses [ISLO1, ISLO2].
378	ESL 004	Grammar and Composition for ESL 4	1. Use and identify simple, progressive, and perfect tenses in the present, past, and future. (ILO1, ILO2)
			2. Use and identify real and unreal conditionals in present, past, and future tenses. (ILO1, ILO2)
			3. Use and identify independent and dependent clauses (adjective, adverb, and noun). (ILO1, ILO2)
			4. The student will demonstrate competency in applying the knowledge of adjective clauses to solving various life problems. (ILO1, ILO2)
			5. Demonstrate the knowledge of noun clauses by creating sentences using given stems. (ILO1,
379	ESL 005	Grammar and Composition for ESL 5	1. Demonstrate competency in writing paragraphs with the standard academic organizational pattern of topic sentence, supporting sentences, and concluding sentence with the theme of stating reasons and giving examples. (ILO1, ILO2, ILO5)
			2. Demonstrate competency in identifying and writing simple, compound (with coordinating conjunctions), and complex (with adverb and adjective clauses) sentences correctly. (ILO1, ILO2)
			3. Demonstrate competency in choosing logical connective devices including subordinating and coordinating conjunctions and transitions. (ILO1, ILO2)
			4. The student will be able to identify the subject and object in a simple sentence. (ILO1, ILO2)
			5. Demonstrate competency in applying prewriting skills to develop content for and organization of paragraphs. (ILO1, ILO2)
380	ESL 010	ESL Language Laboratory	1. Demonstrate ability to navigate appropriate computer hardware and software to fulfill course objectives [ISLO 4].
381	ESL 011	Speaking & Listening for ESL	1. Outcome 1: Differentiate between similar-sounding words by making a distinction between sounds [?] and [t?] (ISLO1).
			2. Outcome 2: Apply the pronunciation rules of 3rd person (-s) endings and plural noun (-s) endings in aural discrimination activities (ISLO1).
			3. Outcome 3: Apply the pronunciation rules for (-ed) endings in past forms of regular verbs in aural discrimination activities (ISLO1).
			4. Outcome 4: Produce appropriate answers to questions about personal information, such as name, age, email address, occupation, etc (ISLO1).
			5. Outcome 5: Produce appropriate rising or falling intonation in Yes/No questions and Wh-Questions (ISLO1).
382	ESL 012	Speaking & Listening for ESL 2	1. Produce common contractions in speaking (ex. did not= didn?t, am= ?m, etc.) (ISLO1)
			2. Differentiate between similar-sounding words by making a distinction between sounds [ð], [t], [d], [?], and [f].(ISLO1)
			3. Produce appropriate rising or falling intonation in Yes/No questions and Wh- Questions (ISLO1).
			4. Apply the pronunciation rules of 3rd person (-s) endings and plural noun (-s) endings in aural discrimination activities (ISLO1).
			5. Apply the pronunciation rules for (-ed) endings in past forms of regular verbs in aural discrimination activities (ISLO1).
383	ESL 013	Speaking & Listening for ESL 3	1. Produce the sounds /sh/ and /ch/ correctly in beginning, middle, and final positions of words. [ILO1]
			2. Discriminate between /sh/ and /ch/ sounds used in the beginning, middle, and final positions of words. [ILO1]
			3. Categorize meanings of modal verbs in the sentences you hear into: ability/ permission/request categories (ISLO2).
			4. Apply the pronunciation rules of 3rd person (-s) endings and plural noun (-s) endings in aural discrimination activities (ISLO1).
			5. Apply the pronunciation rules for (-ed) endings in past forms of regular verbs in aural discrimination activities (ISLO1).

384	ESL 014	Speaking & Listening for ESL 4	1. Identify what you would do in a hypothetical situation (unreal conditional). (ILO1, ILO2)
			2. Express what you would have done (past unreal) differently this semester. (ILO1, ILO2)
			3. Apply the pronunciation rules for (-ed) endings in past forms of regular verbs in aural discrimination activities. (ILO1)
			4. Apply the pronunciation rules of 3rd person (-s) endings and plural noun (-s) endings in aural discrimination activities. (ILO1)
			5. Demonstrate competency in distinguishing between main ideas and details of a listening segment. (ILO1, ILO2)
385	ESL 015	Speaking & Listening for ESL 5	1. Orally state the main idea of a listening segment of no more than five minutes. (ILO1, ILO2)
			2. Apply the pronunciation rules of 3rd person (-s) endings and plural noun (-s) endings in aural discrimination activities. (ILO1)
			3. Apply the pronunciation rules for (-ed) endings in past forms of regular verbs in aural discrimination activities. (ILO1)
			4. Demonstrate competency in inferring the meaning of a listening segment by identifying the speaker?s attitude or feeling or distinguishing between facts and inferences. (ILO1, ILO2)
			5. Demonstrate critical thinking skills by comparing 2-3 summaries of a listening segment and identifying the one that best summarizes the segment. (ILO1, ILO2)
386	ESL 023	ESL Reading 1	1. Analyze a reading in order to distinguish causes and their associated effects. [ILO2]
			2. Develop a chart or graph based on information provided in a reading. [ILO2]
			3. Apply knowledge of usage of an English-only dictionary in order to identify key components of a word. [ILO2, ILO4]
387	ESL 024	ESL Reading 2	1. Distinguish between main ideas and major/minor details in a reading. [ILO2]
			2. Select appropriate vocabulary based on the readings' context clues to aid in overall comprehension. [ILO2]
			3. Identify the correct definition of a vocabulary word using an English-only dictionary (ISLO2).
388	ESL 025	ESL Reading 3	1. Analyze a text and generate a summary based on the reading's main points. [ILO1]
			2. Demonstrate mastery identifying text structures, such as sequence, listing order, cause/effect, and comparison/contrast. [ILO4]
			3. Make inferences about characters in a story, author's opinions, events before and after a passage. [ILO4]
389	ESL 031	Verb Review 1	1. 1. Select the correct verb to be versus to have needed to complete a passage in English (ISLO1).
390	ESL 032	Verb Review 2	1. Demonstrate an understanding of the uses of the simple present and present progressive by using the correct tense to complete a passage in English (ISLO1).
391	ESL 033	Verb Review 3	1. Demonstrate an understanding of the different uses of the present perfect versus the simple past by using the correct tense to complete a passage in English (ISLO1).
392	ESL 034	Verb Review 4	1. Demonstrate an understanding of the differences in modal verbs in the present tense that express obligation, advice, possibility and probability by using the correct modal verb to complete a passage in English (ISLO2).
393	ESL 035	Verb Review 5	1. Demonstrate an understanding of the uses of the passive voice in English by identifying the correct use of the passive without a ?by phrase (used only when it is important to know who the agent of the action is)(ISLO2)
394	ESL 036	Verb Review 6	1. Demonstrate competency in forming past tense modals (ISLO1).
395	ESL 037	Verb Review 7	1. Demonstrate competency in recognizing and naming the four present tenses in sentences
396	ESL 038	Verb Review 8	1. Demonstrate competency in using past participles correctly in the present perfect and the past perfect tenses (ISLO1).
397	ESL 041	Conversation 1	1. Students will be able to verify information in a conversation. [ISLO1]
398	ESL 042	Conversation 2	1. Demonstrate ability to open and close a telephone conversation. [ILO1]
399	ESL 043	Conversation 3	NO SLOS DEFINED
400	ESL 044	Conversation 4	NO SLOS DEFINED
401	ESL 045	Conversation 5	NO SLOS DEFINED
402	ESL 051	Pronunciation 1	1. Students will orally produce comprehensible -s endings in plural nouns.[ILO1]
403	ESL 052	Pronunciation 2	1. Students will orally produce comprehensible -ed endings in regular verbs in the simple past tense.[ILO1]
404	ESL 053	Pronunciation 3	1. Demonstrate competency in the pronunciation of the third perosn singular, possessive, and plural /s/, /z/, and /iz/. [ILO1]
405	ESL 054	Pronunciation 4	1. Demonstrate competency in contractions and reductions. [ILO1]
406	ESL 055	Pronunciation 5	1. Demonstrate mastery of linking sounds at the end to the beginning of words. [ILO1]
407	ESL 060	Vocabulary 1	PENDING INACTIVATION NO SLOS DEFINED
408	ESL 061	Vocabulary 2	1. Identify main ideas through picture/graph/chart/title analysis and reading conprehension. (ILO2)
409	ESL 062	Vocabulary 3	1. Answer questions based on a reading selection by utilizing scanning strategy.
410	ESL 063	Vocabulary 4	NO SLOS DEFINED

411	ESL 064	Vocabulary 5	NO SLOS DEFINED
412	ESL 065	Vocabulary 6	NO SLOS DEFINED
413	ESL 066	Vocabulary 7	NO SLOS DEFINED
414	ESL 067	Vocabulary 8	NO SLOS DEFINED
415	ESL 068	Vocabulary 9	NO SLOS DEFINED
416	ESL 069	Vocabulary 10	NO SLOS DEFINED
417	EWIR 110	Electrical Principles	1. Describe conditions likely to affect severity of electrical shock while maintaining safety during installation. (ILO1, ILO2, ILO3, ILO4)
			2. Define and explain the difference between direct current and alternating current. (ILO2, ILO4)
			3. Apply the basic power formula to power, voltage, and current. (ILO2, ILO3, ILO4)
			4. Select essential tools for residential wiring and be able to discuss basic principles of tool use and care. (ILO2, ILO3)
418	EWIR 115	Electrical Wiring and Protection	1. Recognize the different conductor systems used in residential and light commercial wiring in accordance with the codes and authorities for installation. (ILO1, ILO2, ILO4)
			2. Use the NEC to adjust conductor ampacity based on ambient temperature and number of conductors of raceway systems. (ILO2, ILO4)
			3. Explain the causes of overcurrent conditions and describe electrical circuit overcurrent protective devices (OCPDs). (ILO1, ILO2, ILO3, ILO4, ILO5)
			4. List the components of the service entrance, service drop clearances specified in the NEC, and eight basic guidelines when locating a residential service entrance. (ILO2, ILO4, ILO5)
419	EWIR 125	Electrical Feeder Service & Circuits	1. Learn the four common box shapes, how to remove knockouts and pryout, mounting systems, and connectors that fasten wiring to boxes. (ILO1, ILO3, ILO4)
			2. Discuss the rating systems for Overcurrent protective devices, equipment grounding,the operation of ground-fault circuits interrupters and arc-fault circuit interupters. (ILO1, ILO2, ILO3, ILO4)
			3. Learn the four common box shapes, how to remove knockouts and pryout, mounting systems, and connectors that fasten wiring to boxes. (ILO1, ILO3, ILO4)
			4. Discuss the rating systems for Overcurrent protective devices, equipment grounding,the operation of ground-fault circuits interrupters and arc-fault circuit interupters. (ILO1, ILO2, ILO3, ILO4)
420	EWIR 135	Electrical Equipment and Special Conditions	1. Design and describe the installation of an electrical power distribution system for a farm, including the loads and circuits required for various farm buildings and operations. (ILO1, ILO2,
			2. Demonstrate familiarity with NEC requirements for mobile home park electric service and wiring, mobile home circuit loads, and code requirements for motorhomes. (ILO1, ILO2, ILO3. ILO4)
			3. List the rules for bonding metal fixtures and parts around swimming pools, explain grounding requirements for swimming pool wiring, and demonstrate wiring techniques required for the installation and wiring of underwater lighting fixtures. (ILO1, ILO2, ILO3, ILO5)
			4. Demonstrate wiring techniques for installing teleephone and computer cabling in new and existing dwellings, discuss the installation and operation of standby power systems, transfer switches, and uninterruptible power supplies. (ILO1, ILO2, ILO4, ILO5)
421	EWIR 150	Solar Energy Systems	1. identify the laws of thermodynamics and its effects from the sun to understand heat. (ILO2, IL3)
			2. explain the photovoltaic principles of photovoltaic arrays. (ILO1, ILO2)
			3. understand photovoltaic system overcurrent protection, disconnects, and grounding utilizing National Electrical Code. (ILO2, ILO3)
422	EWIR 151	Solar Electrical Systems	1. understand photovoltaic system wiring, size wires, protection and grounding to NEC standards. (ILO2, ILO3)
			2. understand grid-tied photovoltaic system, with and without battery. (ILO2, ILO3)
			3. install photovoltaic systems, mounding and trackers. (ILO2, ILO3)
			4. demonstrate installation safety, maintenance, and troubleshooting. (ILO2, ILO3)
423	EWIR 160	Alternative Energies	1. describe the operation of Hydropower plants. (ILO1, ILO2)
			2. explain the different types of combustion turbines. (ILO1, ILO2)
			3. describe the fundamental blocks of Solar Energy systems and their architecture. (ILO1, ILO2)
			4. describe the fundamentals of Geothermal, Ocean and Nuclear Energy systems. (ILO1, ILO2)
424	FIRE 100	Fire Protection Organization	1. Apply basic emergency incident management strategies in relationship to incident command systems in public and private fire protection careers. (ILO1, ILO2)
			2. List the educational requirements, duties , and information sources for variou s occupations in fire protection.(ILO4)
			3. Define the basic concepts of fire as a chemical reaction, the major phases of fire, and the main factors that influence fire spread and fire behavior.(ILO2)
			4. Analyze the effects of fire on the environment and the historic al effort s made to protect society against unwanted fire.(ILO2)

			5. Identify the types ofcommon fire department apparatus, equipment, and personal safety equipment used for fire fighting.(ILO4)
			6. Identify the various codes , standards, ordinances, and regulations that affect fire protection and the functions of a fire prevention bureau.(IL02)
			7. Define fire fighting strategy and tactics.
			8. Describe the elements of fire fighter safety and survival(ILO5)
425	FIRE 101	Fire Prevention Technology	1. Demonstrate knowledge in the spectrum of fire prevention functions and philosophies and their relationships to fire suppression efforts. (IL02)
			2. Identify the laws, rules, codes, and other regulations relevant to fire prevention and the agencies or authority having jurisdiction. (ILO2)
			3. Execute a plan review, apply fire codes and related regulations, and describe the need and process of fire investigation. (ILO3)
			4. Define the national fire problem including causes, damages, and public and firefighter fatalities. (ILO2, ILO3)
			5. Identify the responsibilities and functions of the fire prevention bureau in relationship to the fire department organizational structure. (ILO2)
			6. Identify the minimum professional qualifications at the state and national level for Fire Inspector, Fire Investigator, and Public Educator. (ILO2)
			7. Design a fire prevention media campaign including brochures, advertising, public service announcements and fire prevention collateral materials for adults and children. (ILO2, ILO3, ILO4)
426	FIRE 102	Fire Protection Equipment and Systems	1. Analyze the relationship between fire prevention efforts and the reduction of life and property loss. (IL02, IL05)
			2. Draw and describe the basic elements of a public water supply system including sources, distribution networks, piping and hydrants. (ILO2, ILO3)
			3. Identify the components of sprinkler, standpipe and foam systems. (ILO2, ILO4)
			4. Identify five different types of non-water based fire suppression systems and describe how these systems extinguish fire (ILO2, ILO4)
			5. Describe fire protection systems in various structures and the history of sprinkler ordinances and legislation. (ILO2)
			6. Describe the components of a fire alarm system and different types of detectors and how they detect fire. (ILO2, ILO4)
			7. Explain the operation and application of portable fire extinguishing systems. (ILO2, ILO3)
			8. Identify and analyze the causes of line of duty firefighter deaths and training and research into the reduction of risk and accidents. (ILO2, ILO3, ILO4)
427	FIRE 103	Building Construction for Fire Protection	1. Identify major types of building construction. (ILO2)
			2. Analyze the hazards and tactical considerations associated with the various types of building construction. (ILO1, ILO2)
			3. Demonstrate proficiency in building occupany and code enforcement. (ILO2)
			4. Define basic terms and concepts related to fire behavior and chemistry. (ILO2)
			5. Identify states of matter and describe chemical processes associated with combustion. (ILO2, ILO4)
			6. Analyze physical conditions which determine states of matter and influence fire behavior. (ILO2, ILO4)
			7. Describe fire suppression agents and their properties. (ILO2)
			8. Compare and contrast methods and techniques of fire extinguishment. (ILO2, ILO4)
428	FIRE 104	Fire Behavior Combustion	1. Define basic terms and concepts related to fire behavior and chemistry.(ILO2),
			2. Analyze physical conditions which determine states of matter and influence fire behavior. (ILO2)
			3. Demonstrate how to recall physical and chemical properties of fire.(ILO4)
429	FIRE 105	Emergency Medical Technician I	1. Demonstrates the application of a traction splint in proper sequence and using standard precautions. (ILO 2, ILO 3)
			2. Demonstrate the ability to use critical thinking skills to assess and treat patients in emergency settings. (ILO1, ILO2, ILO5)
			3. Demonstrate the use of federal and state laws in relation to on scene emergencies. (ILO1)
			4. Write a narrative report from data supplied in various forms including written input, verbal input, and visual observations. The report will be legible, will have correct spelling and punctuation, and will demonstrate the proper use of grammar.(ILO1)
			5. Complete an assessment of a medical patient, in an oral station, in proper sequence and with proper care, using a National standard check off sheet.(ILO 1, ILO 2)
			6. Complete a patient assessment on a trauma Pt in proper sequence and using standard precautions. This is a Verbal and Hands on skill.(ILO 2, ILO 3, ILO 4)
			7. Demonstrate an ability to recommend appropriate diagnostic and therapeutic procedures. (ILO2)

430	FIRE 106	First Aid/CPR - Public Safety First Responder	1. Demonstrate correct procedure for cardiopulmonary resuscitation and basic airway management. (ILO2, ILO3, ILO4)
431	FIRE 107	Emergency Medical Technician I - Refresher	1. Complete a trauma patient assessment and spinal immobilization on a supine patient in simulated setting. (ILO1, ILO2, ILO3, ILO5)
			2. Demonstrate proficiency in federal, state, and/or local regulations with regards to emergency care. (ILO2, ILO3)
432	FIRE 108	Fire & Emergency Services Safety and Survival	1. Demonstrate and describe the need for cultural and behavioral change within the emergency services relating to safety, incorporating leadership, supervision, accountability and personal responsibility. (ILO2)
			2. Explain the general safety precautions, considerations, strategies, and tactics to implement for all fire survival emergencies. (ILO2, ILO4)
			3. Demonstrate the ability to apply federal and local laws within the context of emergency planning. (ILO2)
433	FIRE 109	Hazardous Materials for First Responders	1. Demonstrate knowledge and appropriate responses for given incidents involving hazardous materials at the First Responder Operational level. (ILO2)
			2. Articulate the importance of haz mat pre-planning and procedures (ILO1, ILO2)
			3. Recognize physical state of substances and their potential hazards of reactivity as they relate to health and safety of the firefighter and the incident scene.(ILO2, ILO3)
434	FIRE 117	Auto Extrication	1. Analyze an emergency situation, develop and implement a plan to extricate occupants.(ILO2)
435	FIRE 121	ICS-200 Basic Incident Command System	1. Describe principles, components, positional responsibilities, and management of incident resources. (ILO2)
			2. Demonstrate proficiency in emergency incident management. (ILO2)
			3. Demonstrate the application of operational strategies. (ILO4)
436	FIRE 122	Confined Space Awareness	1. Identify a confined space and be familiar with various regulations, safety procedures, equipment, techniques and personnel necessary to operate at a confined space emergency.(ILO2, ILO3, ILO4, ILO5)
437	FIRE 130	Basic Fire Academy I	1. Define and demonstrate knowledge of fire department organization and culture, and the expectations of entry-level fire department personnel.(ILO1, ILO2)
			2. Demonstrate knowledge of fire department equipment through the selection and application of equipment for given firefighting tasks. (ILO1, ILO2)
			3. Analyze and assess firefighter hazards inherent to the profession. (ILO1, ILO3)
			4. Demonstrate the ability to communicate effectively through multiple methods of communication including: written, electronic, face to face, and radio transmitted messages. (ILO1, ILO2, ILO3, ILO4)
			5. Demonstrate their knowledge of strategies, tactics and incident command through the selection and implementation of firefighting methods, and the application of the Incident Command and Emergency Management Systems. (ILO1, ILO2, ILO3, ILO4)
			6. Demonstrate safe practices by using minimum standard safety procedures compliant with industry standards. (ILO1, ILO2, ILO3, ILO4)
438	FIRE 131	Basic Fire Academy II	1. Demonstrate their knowledge of strategies, tactics, and incident command. (ILO2, ILO4)
			2. Demonstrate safe practices by using minimum standard safety procedures. (ILO2, ILO3)
			3. Demonstrate proficiency in selection and implementation of firefighting methods and application of the Incident Command and Emergency Management Systems. (ILO2)
			4. Demonstrate proficiency in ladder manipulation and skils. (ILO2)
			5. Apply firefighting operational knowledge during live fire operations. (ILO1), (ILO2)
			6. Apply knowledge in fire behavior extinguishment tactics. (ILO2)
439	FIRE 220	Fire Apparatus 1A - Driver	1. Select and use appropriate methods and materials to complete laboratory assignmentsto standards based on building type, location of fire, and other apparatus responding to scene
440	FIRE 221	Fire Apparatus 1B - Pump	1. Select proper engine pressure when pumping multiple liners and knowledge ofthe principles related to operation of pumps from a hydrant and drafting water
441	FIRE 222	Fire Investigation 1A	1. Indicate causes of fires, fire behaviors, and explosions for given fire scene scenario.(ILO2)
			2. Demonstrate proficiency in fire behavior patterns. (ILO2)
			3. Apply arson investigation applications to structure fires. (ILO2)
			4. Show proficiency in probable cause and scientific methodology. (ILO3)
442	FIRE 223	Fire Investigation 1B	1. Analyze, evaluate, and critique past fire investigations in written and oral format. (ILO2)
			2. The student shall demonstrate proficiency in case law applications of arsons. (ILO3)
			3. The student will show proper research methods in fire arson investigation. (ILO4)
			4. The student will apply appropriate code violation for cause and origin. (ILO1)
443	FIRE 224	Fire Management 1	1. Demonstrate management concepts and practices including decision making, leader styles, personnel evaluations & counseling techniques.(ILO2)
			2. Diagram the management cycle and define each element.(ILO3)
			3. Describe the command principles.(ILO2)

			4. Differentiate between leaders and managers.(ILO2)
			5. Identify internal and external influences on the organization.(ILO2)
			6. Identify leadership styles.(ILO2)
			7. Demonstrate methods and techniques for managing human resources.(ILO2)
			8. Prepare and perform employee evaluations.(ILO1)
			9. Demonstrate techniques utilized for conflict resolution.(IL02)
444	FIRE 225	Fire Prevention 1A	1. Apply general fire inspection practices and procedures for correcting fire hazards to given scenarios and handling of fire prevention complaints
			2. Define the functions of a fire prevention bureau.
			3. Analyze the relationship between fire prevention efforts and the reduction oflife and property loss.
			4. Identify, in writing and verbally, the major types offire hazards that could be found during a commercial building fire inspection,
			5. Describe, in writing, the basic hazard correction process used by the modem fire prevention bureau.
			6. Apply codes to a simulated exercise
445	FIRE 226	Fire Prevention 1B	1. Apply fire prevention principles to features of sprinkler systems, determine operational readiness of a sprinkler system, and critique for sprinkler system capabilities and limitations. (IL02)
			2. Demonstrate knowledge and application of California Fire Code.(ILO3)
			3. Apply codes to simulated fire prevention inspection violations. (ILO2)
			4. Diagram the judicial process for code violations and litigation. (ILO2)
			5. Describe, in writing, the major types of fire hazards that could be found during a commercial building inspection.(ILO3)
			6. Define the hazard correction process used by the modem fire prevention bureau.(ILO2)
			7. Analyze the impact of fire prevention as it relates to a government's risk management plan.(ILO3)
446	FIRE 229	Fire Command 1A	1. Demonstrate pre-fire planning, command and control techniques of the first responding commander when presented with a variety of simulations. (ILO2)
			2. Describe command and control techniques used in emergency management. (ILO3)
			3. Demonstrate communication skills needed for reporting incident conditions and commanding resources at an emergency incident. (ILO2)
			4. Develop and implement a pre-fire plan and training program and how these affect fire command practices. (ILO2)
			5. Describe scene size-up and identify the strategies and tactics used by company officers. (ILO2)
			6. Analyze and assess causes of firefighter fatalities and injuries and safety measures to protect personnel. (ILO2)
			7. Demonstrate critical thinking skills and decision making abilities for managing an emergency.(ILO2)
447	FIRE 230	Fire Command 1B	1. Demonstrate evacuation, containment, and staging for a variety of simulated hazardous materials incidents.(ILO2)
			2. Demonstrate the ability to make decisions and communicate an action plan for a hazardous materials incident. (ILO2)
			3. Define operational priorities for a hazardous materials incident. (ILO3)
			4. Identify incident command strategies and priorities for hazardous materials incidents. (ILO3)
			5. Identify operations and logistics functions for hazardous materials emergencies. (ILO3)
			6. Identify emergency planning tools as they relate to hazardous materials incidents. (ILO2)
448	FIRE 231	Incident Command System 300	1. Organize and provide a briefing to incident personnel and develop an Incident Action Plan for a simulated incident. (ILO2)
			2. List ICS positions and duties and describe the positions to the level of deputies.(ILO4)
			3. Diagram the reporting relationships within the ICS organization.(ILO1)
			4. Develop a sample organization around a major event. (ILO2)
			5. Describe how Unified Command functions on a multi-jurisdiction or multi-agency incident.(ILO2)
			6. Identify and tactics utilized to meet incident objectives for a simulated exercise.(ILO3)
			7. Perform tasks associated with incident planning and resource demobilization. (ILO4)
449	FIRE 232	Public Education 1	1. analyze and implement the five step systematic planning process, determine a strategy to correct a problem, and apply appropriate adn available media. (ILO3)
			2. demonstrate the selection, development, organization, and use of appropriate materials for fire prevention education. (ILO2)
			3. demonstrate proficiency in curriculum development for fire technology courses. (ILO2)
450	FIRE 233	Fire Command 1C	1. Describe three elements of wildland fire behavior including fuel, weather and topography.(ILO2)
			2. Apply elements of the Incident Command System to a major wildland fire scenario.(ILO3)

			3. Describe the duties and responsibilities of the Strike Team Leader, Division/Group Supervisors and Branch Directors.(ILO3)
			4. Analyze the fundamental elements of size-up as they relate to I-Zone firefighting.(ILO2)
			5. Recognize and recall the safe practices of wildland firefighting (10's, 18'sand LCES). (ILO2)
			6. Compare and contrast structural firefighting strategies and tactics with those of wildland fires.(IL03)
			7. Demonstrate communication as it relates to I-Zone and wildland firefighting.(ILO1)
			8. 1)Describe three elements of wildland fire behavior including fuel, weather and topography and their direct influence on the fire?s behavior.(ILO4)
451	FIRE 234	Fire Prevention 1C	1. demonstrate an understanding on the storage, handling, and transportation of, as well as the special hazards associated with, flammable and combustible liquids and gases. (ILO2)
			2. demonstrate proficiency in code enforcement for industrial plants. (ILO2)
			3. apply knowledge on evaluating and completing plans review. (ILO2)
452	FIRE 240	Training Instructor 1A	1. Select methods and techniques for educating and training students in accordance with the latest concepts in career education (ILO1, ILO2, ILO3)
			2. Perform and evaluate peers and teaching performances. (ILO1, ILO3)
			3. Demonstrate proficiency in defining measurable objectives for teaching methodology. (ILO2)
453	FIRE 241	Training Instructor 1B	1. prepare a syllabus incorporating a number of well-organized lesson plans for instruction of fire technology topics for a longer length course addressing multiple learning styles including multiple appropriate methods for evaluation and satisfactorily execute several of these lesson plans. (ILO2)
			2. apply teaching applications through video based presentations. (ILO2)
			3. develop test and validate testing techniques. (ILO3)
454	FIRE 242	Training Instructor 1C	1. prepare a course outline incorporating audiovisual media and cognitive, psychomotor, and behavioral objectives for instruction of fire technology (ILO2, ILO3, ILO4)
			2. identify and apply appropriate evaluation instruments or tools to a given instructional setting. (ILO2, ILO3)
			3. develop oral, written, and performance test for an identified fire technology course that meets the requirements of the state. (ILO3, ILO4, ILO5)
455	FIRE 245	Fire Instructor 2A	1. Demonstrate cotemporary applications, methods, and techniques for educating and training students in accordance with the latest concepts in vocational education, through the use of audio visual technology. (ILO2)
			2. The student will demonstrate applicable teaching methods through video technology. (ILO2)
			3. The Student will demonstrate use of evaluation techniques through criteria based validation. (ILO2)
			4. The student will present a set of worksheets, quizzes, for applicable developed curriculum. (ILO4)
			5. The student will demonstrate proficiency managment of grading systems. (ILO3)
456	FREN 100	Elementary French I	1. Demonstrate comprehension of spoken French by responding to questions about every-day activities and occurrences. (ILO1, ILO5)
			2. Comprehend, organize and effectively communicate in level-appropriate spoken French information about a simple topic related to everyday experiences. (ILO1, ILO2, ILO5)
			3. Upon reading a brief text that describes an aspect of French/francophone culture, effectively demonstrate comprehension by answering questions based to the text. (ILO1, ILO2, ILO5)
			4. Comprehend, organize and effectively communicate personal information in French in a written essay (approximately two paragraphs) in which a specific topic is discussed. (ILO1, ILO2)
			5. Upon listening to a short text based on an aspect of French/francophone culture, effectively communicate information in French orally and/or in writing in answer to questions based on the text. (ILO1, ILO2, ILO5)
457	FREN 110	Elementary French II	1. Upon listening to a spoken text that describes an aspect of French/francophone culture, demonstrate comprehension by answering questions based on the text. (ILO1, ILO2, ILO5)
			2. Research, organize and deliver an oral presentation in French and conduct a question/answer period following the presentation. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Read a short text about an every-day aspect of French/francophone culture and demonstrate comprehension by answering questions based on the text. (ILO1, ILO2, ILO5)
			4. Comprehend, organize and effectively communicate personal information in written French to describe a past, present or future event. (ILO1, ILO2, ILO5)
			5. Comprehend, organize and effectively communicate information in French by writing a one-page essay to describe an hypothetical situation. (ILO1, ILO2, ILO4)
458	FREN 201	Intermediate French I	1. Upon listening to a brief spoken text in French in which an aspect of French/francophone culture is discussed, accurately write down what was said in the form of a dictée. (ILO1, ILO2, ILO5)
			2. Research and effectively communicate in spoken French well-reasoned ideas and opinions about a topic related to an aspect of French/francophone culture.(ILO1, ILO2, ILO5)

			3. Upon reading a descriptive text about an aspect of French/francophone culture, demonstrate understanding by effectively communicating information in French in answer to questions based on the reading.(ILO1, ILO2, ILO5)
			4. Clearly express and explain feelings, opinions, desires, doubt and/or disbelief associated with every-day activities and occurrences in spoken or written French.(ILO1, ILO5)
			5. Discuss politics, economics and government in the context of France and the Francophone world. (ILO1, ILO2, ILO5)
459	FREN 211	Intermediate French II	1. Research and effectively communicate in spoken and/or written French well-reasoned ideas and opinions related to an aspect of French/francophone culture. (ILO1, ILO2, ILO4, ILO5)
			2. Read an extract from a work of French literature (approximately two pages) and demonstrate understanding by offering well-reasoned explanations in response to questions about significant aspects of the reading.(ILO1, ILO2, ILO5)
			3. Converse on subjects such as electronic media, (e.g.: computers, cell phones and similar devices) , technology (e.g.: automotive), and scientific research and progress. (ILO1, ILO2, ILO3, ILO4)
			4. Upon listening to a spoken text based on an aspect of French/francophone culture, answer questions related to the content of the text in written French. (ILO1, ILO2, ILO5)
			5. Demonstrate understanding of contextualized syntactical, grammatical and structural clues in written French by communicating effectively in spoken and/or written French. (ILO1, ILO2)
460	FREN 230	Intermediate Conversational French I	1. Demonstrate adequate use of French grammar and pronunciation in a conversation on a wide range of topics, such as personal and professional lives, education, history, politics, sociology and culture of the French/francophone world. (ILO1, ILO2, ILO4, ILO5)
			2. Demonstrate understanding of authentic French by listening to an oral text related to French/francophone culture and identifying and summarizing the main points orally or in writing. (ILO1, ILO2, ILO5)
			3. Demonstrate cultural awareness by engaging in a dialog in which they identify, examine, explain and analyze the attitudes, traditions and values contained in an authentic text related to contemporary French/francophone culture. (ILO1, ILO2, ILO4, ILO5)
			4. Formulate and develop a cogent interpretation of a written French/francophone or journalistic texts.(ILO1, ILO2, ILO5)
			5. Perform a presentation on a topic of interest related to French/francophone culture in which information is explained and opinions are supported by logical arguments.(ILO1, ILO2, ILO4, ILO5)
461	GEOG 100	Physical Geography	1. Demonstrate your understanding of geographic patterns of a specific locale by analyzing the flora, fauna, and weather patterns in relation to its physical setting. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Analyze current spatial geographic events using the Five Themes of Geography (ILO1, IOL2, IOL4)
			3. Explain Plate Tectonics and how it has influenced landform formation (ILO1, ILO2, ILO4, ILO5)
462	GEOG 102	Cultural Geography	1. Analyze and compare cultures in terms of global population patterns.(ILO1, ILO2, ILO5)
			2. Analyze current spatial geographic events using the Five Themes of Geography (ILO1, IOL2, IOL4)
			3. Evaluate human migration patterns using push and pull factors as a tool (ILO1, ILO2, ILO4, ILO5)
463	GEOG 108	World Regional Geography	1. Analyze and compare cultures in terms of global population patterns.(ILO1, ILO2, ILO5)
			2. Analyze current spatial geographic events using the Five Themes of Geography (ILO1, IOL2, IOL4)
			3. Analyze the global economy in terms of regional production patterns (ILO2, ILO4, ILO5).
464	GEOL 100	General Geology	1. Gain awareness of geological events on a global scale and understand/evaluate why events/features occur where they do. Assessment done through tracking earthquake and volcanic eruptions events and building on knowledge of plate tectonics. (ILO5)
			2. Gain critical thinking ability/skills through observations and applying scientific inquiry to understand geologic features and processes. Understand and use principles of the scientific method. (ILO2)
			3. Develop oral and written skills through various labs, research papers and presentations. (ILO1)
			4. Gain knowledge of geologic history, features and processes through lectures, research papers, exams and labs. (ILO4)
465	GEOL 110	Earth and Space Science	1. Gain critical thinking skills while working on and completing weekly homework assignments which include applying methods such as Venn diagrams, rubrics, and concept maps. (ILO2)
			2. Gain awareness of geological events, weather and climate patterns and oceanic circulation on a global scale and understand/evaluate why events/features occur where they do. Assessment done through various homework assignments. (ILO5)
			3. Gain knowledge of geological, meteorological, astromomical and oceanic features and processes through lectures, research papers, exams and presentations. Ties to all objectives. (ILO4)
466	HE 100	HE - Military Service	NOT APPLICABLE
467	HE 102	Health Education	1. Identify correct cardiovascular principles and design a cardiovascular program. (ILO2)
			2. Engage in a personal cardiovascular program. (ILO3)
			3. Identify basic health terms. (ILO2)

468	HE 104	First Aid	1. Explain how the EMS system works and the citizen responder's role. (ILO1, ILO2, ILO3, ILO4)
			2. Demonstrate the care given for choking and other breathing emergencies. (ILO1, ILO2, ILO3,
			3. Recognize the signals of a possible heart attack and describe the care for someone who is experiencing chest pain. (ILO1, ILO2, ILO3, ILO4, ILO5)
			4. Explain and identify types of wounds, coutrol bleeding and bandage appropriately. (ILO1, ILO2, ILO3, ILO4)
469	HIST 100	Early World History	1. Identify and describe the chief political, social, economic and/or cultural characteristics of important ancient and pre-modern civilizations, cultures, and societies. (ILO1; ILO2; ILO5)
			2. Evaluate oral and written information by studying the pros and cons of historical issues and present information competently and persuasively on topics relevant to early world history. (ILO1; ILO2; ILO4; ILO5)
			3. Identify and describe how ancient and pre-modern societies interacted with each other and how those interactions changed and influenced human communities across time and space. (ILO1; ILO2; ILO5)
			4. Identify critical aspects of world geography relevant to early world history. (ILO5)
470	HIST 101	Modern World History	1. evaluate oral information by studying the pros and cons of historical issues on Modern World History. (ILO1, ILO2, ILO3)
			2. evaluate written information by studying the pros and cons of historical issues on Modern World History. (ILO1, ILO2, ILO3)
			3. present information persuasively and confidently on Modern World History. (ILO1, ILO2, ILO3).
471	HIST 110	Early Western Civilization	1. Identify and recal key information from a historical text or documentary film. (IL01)
			2. Describe the causes and/or impact of a historical event in Western Civilization. (IL01, IL02, IL05)
			3. Explain the significance of a historical text in Western Civilization by the end of the couorse. (IL01, IL02, IL05)
472	HIST 111	Modern Western Civilization	1. Identify and recal key information from a historical text or documentary film. (IL01)
			2. Describe the causes and/or impact of a historical event in Western Civilization. (IL01, IL02, IL05)
			3. Explain the significance of a historical text in Western Civilization by the end of the couorse. (IL01, IL02, IL05)
473	HIST 120	United States to 1877	1. Identify and recall key information from a historical text and/or a documentary film. (IL01)
			2. Describe the causes and/or impact of a historical event. (ILO1, ILO2)
			3. Explain the significance of a historical text by the end of the course. (ILO1, ILO2)
474	HIST 121	United States from 1877	1. Identify and recall key information from a historical text and/or a documentary film. (IL01)
			2. Describe the causes and/or impact of a historical event. (ILO1, ILO2)
			3. Explain the significance of a historical text by the end of the course. (ILO1, ILO2)
475	HIST 130	Early Latin America	1. Identify and recall key information from a historical text and/or documentary film. (ILO 2, 4, 5)
			2. Describe the causes and/or impacts of a historical event. (ILO 2, 4, 5)
			3. Present the information in a manner required. (ILO 1, 2, 3)
476	HIST 131	Modern Latin America	1. Identify and recall key information from a historical text and/or documentary film (ISLO 2, 4, 5).
			2. Describe the causes and/or impacts of a historical event (ISLO 2, 4, 5).
			3. Present the information in a manner required (ISLO 1, 2, 3).
477	HIST 132	History of Mexico	1. Identify and recall key information from a historical text and/or a documentary film (ISLO 2, 4, 5).
			2. Describe the causes and/or impacts of a historical event (ISLO 1, 2, 5).
			3. Present the information in the format required (ISLO 1, 3).
478	HIST 140	East Asian History	1. Identify and describe the chief political, social, economic and cultural characteristics of the civilizations of China, Japan, and Korea during the ancient, pre-modern and modern periods of history. (ISLO1, ISLO2, ISLO5)
			2. Identify and describe how the civilizations of East Asia interacted with and influenced each other across time with regard to religion, culture, society, and state practices.(ISLO1, ISLO2, ISLO5)
			3. Critically read, comprehend, evaluate and analyze information from an Asian primary source text in translation. (ISLO1, ISLO2, ISLO5)
479	HIST 150	Survey of African History	1. evaluate oral information by studying the pros and cons of historical issues on African History. (ILO1, ILO2, ILO3)
			2. evaluate written information by studying the pros and cons of historical issues on African History. (ILO1, ILO2, ILO3)
			3. present information persuasively and confidently on African History. (ILO1, ILO2, ILO3)
480	HIST 160	Middle East from 600	1. evaluate oral information by studying the pros and cons of historical issues on Middle East History. (ILO1, ILO2, ILO3)
			2. evaluate written information by studying the pros and cons of historical issues on Middle East History. (ILO1, ILO2, ILO3)
			3. present information persuasively and confidently on Middle East History. (ILO1, ILO2, ILO3)

481	HIST 220	Women in American History	1. Describe women's varying roles within American society and analyze and explain how politics, society, and culture defined these roles. (ILO1, ILO2)
			2. Analyze and describe the ways that race, class, ethnicity, place, and religion affected women's position in American society over time. (ILO1, ILO2)
			3. Read, evaluate and analyze primary and/or secondary historical materials to understand the experiences and perspectives of different American women across time. (ILO1, ILO2, ILO4)
482	HIST 222	History of California	1. Read, comprehend and recall key information from a historical text. (ILO1)
			2. Analyze a historical text and differentiate between the facts and the author's interpretation and main thesis. (ILO1, ILO2)
			3. Evaluate the level of bias and reliability of a historical text. (ILO1, ILO2, ILO4)
483	HIST 223	History of American West	1. Read, comprehend and recall key information from a historical text. (ILO1)
			2. Analyze a historical text and differentiate between the facts and the author's interpretation and main thesis. (ILO1, ILO2)
			3. Evaluate the level of bias and reliability of a historical text. (ILO1, ILO2, ILO4)
484	HIST 225	Mexican American History	1. Desribe an aspect of Mexican-American history. (ISLO 2, 4)
			2. Express a valid opinion on the research into an aspect of Mexican-American history. (ISLO 1, 2, 4, 5)
			3. Submit the information and opinion in the proper format and by the specified deadline. (ISLO 1, 2, 3)
485	HIST 280	Research Topics in History	1. Compile a research bibliography of primary and secondary sources on a historical topic. (ILO4)
			2. Explain different interpretations of a historical topic. (ILO1, IL02)
			3. Write a research paper on a historical topic. (ILO1, ILO2)
486	HUM 100	Intro to the Humanities	1. Analyze and interpret a work of art. (ILO2, ILO4, ILO5)
			2. Recall basic information about The Arts. (ILO4, ILO5)
			3. Demonstrate a capacity for creative expression. (ILO1)
487	HUM 226	Introduction to Mythology	1. Show a broad understanding of common structures and themes found in mythological texts from around the world. (ILO1, ILO2, ILO5)
			2. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
			3. Access and interpret literary texts via various sources (drawn from Internet, library catalogue, and electronic databases); and evaluate publishers/authors. (ILO1, ILO2, ILO4)
			4. Analyze myths from different historic periods and different cultures. (ILO1, ILO2, ILO3)
488	HUM 230	Introduction to Film History and Criticism	1. Identify a variety of film techniques and technical changes from the history of film in response to objective examination questions based upon lecture and readings. (ILO1, ILO2, ILO4)
			2. Write critical and analytical papers about selected films representative of three major film genres (musical, western, and horror) and one foreign-language film. (ILO1, ILO2, ILO4, ILO5)
			3. Demonstrate command of rules regarding plagiarism and academic ethics. (ILO3)
489	HUM 262	Intro to Chicano/a Studies	1. Research, analyze, and identify cultural values and contributions of Mexican Americans to the United States through writing. [ILO1, ILO2, ILO4, ILO5]
			2. Research the contributions of Chicanos in the United States. (ILO4, ILO5)
			3. Analyze a literary and/or cultural text written by a Chicano author. (ILO1, ILO2, ILO5)
490	JRN 100	Introduction to Journalism	1. Compose and produce a news story that is logically structured and grammatically correct (ILO1, ILO2)
			2. Compose and produce a news story that is ethical, balanced, and fair (ILO1, ILO2, ILO3, ILO4,
			3. Complete the news story on deadline for publication (ILO3)
491	JRN 101	Multimedia News Writing & Reporting	1. Compose and produce a multimedia news story that is logically structured, grammatically correct. (ILO1, ILO2)
			2. Compose and produce a multimedia news story that contains pertinent interactive elements that assist in illustrating the story. (ILO1, ILO2, ILO4, ILO5)
			3. Compose a news story that is completed by deadline for publication (ILO3)
492	LAS 130	Early Latin America	1. Identify and recall key information from a historical text and/or documentary film (ILO 2, 4, 5).
			2. Describe the causes and/or impacts of a historical event (ILO 2, 4, 5).
			3. Present the information in a manner required (ILO 1, 2, 3).
493	LAS 131	Modern Latin America	1. Identify and recall key information from a historical text and/or documentary film (ISLO 2, 4, 5).
			2. Describe the causes and/or impacts of a historical event (ISLO 2, 4, 5).
			3. Present the information in a manner required (ISLO 1, 2, 3).
494	LAS 132	History of Mexico	1. Identify and recall key information from a historical text and/or a documentary film (ISLO 2, 4, 5).
			2. Describe the causes and/or impacts of a historical event (ISLO 1, 2, 5).
			3. Present the information in the format required (ISLO 1, 3).
495	LAS 225	Mexican American History	1. Desribe an aspect of Mexican-American history. (ISLO 2, 4)
			2. Express a valid opinion on the research into an aspect of Mexican-American history. (ISLO 1, 2, 4, 5)

			3. Submit the information and opinion in the proper format and by the specified deadline. (ISLO 1, 2, 3)
496	LEGL 115	Legal Procedures	1. Analyze legal cases and present results in a brief using college level writing standards, and diagram the steps required to navigate a case through the litigation process. (ILO1, ILO2, ILO4, ILO5)
			2. Demonstrate knowledge of substantive and procedural laws and their application within the American legal system. (ILO1, ILO2)
			3. Outline various job descriptions with each legal specialty, prepare a portfoloio indexed by each legal specialty using appropriate legal terminology as it relates to a legal specialty. (ILO1, ILO2, ILO4)
497	LEGL 116	Law Office Management	1. Develop cost-effective plan for retention and destruction of records according to legal requirements. (ILO1, ILO2, ILO4)
			2. Investigate and analyze budget waste, areas of potential abuses, and possible cost-saving options for a legal office. (ILO1, ILO2, ILO4)
			3. Analyze financial statements. (ILO1, ILO2, ILO4)
498	LEGL 117	Criminal Litigation & Procedures	1. Outline the process of moving a case through the criminal court system. (ILO1, ILO2, ILO4)
			2. Prepare a primary pretrial motion. (ILO1, ILO2, ILO4)
			3. Interview clients and witnesses. (ILO1, ILO2)
499	LEGL 119	Civil Procedures and Discovery	1. Research the federal and state court systems and compare and contrast them including steps to initiate an action. (ILO1, ILO2, ILO4)
			2. Draft a complaint and outline the procedure for filing the complaint. (ILO1, ILO2, ILO4)
			3. Draft an answer and counterclaim. (ILO1, ILO2, ILO4)
500	LEGL 120	Corporations	1. Describe the forms of business, outline requirements for the formation of businesses, and list the steps and forms required for setting up a sole proprietorships, partnerships, LLCs, and corporations. (ILO1, ILO2, ILO4)
			2. Compare and contrast foreign corporations with corporations in the United States. (ILO1, ILO2, ILO4, ILO5)
			3. Analyze limits of liability and tax consequences for each form of business. (ILO1, ILO2, ILO4)
501	LEGL 121	Legal Research	1. Effectively use computerized legal search systems. (ILO1, ILO2, ILO4)
			2. Research and prepare a legal brief using applicable statutory and case law and appropriate citations, and explain research strategies used to prepare the brief.(ILO1, ILO2, ILO4)
			3. Discuss elements (actus reus) that must exist to be charged with having committed to a crime, the basic categories of crimes, and the various types of crimes. (ILO2, ILO2)
502	LEGL 125	Real Estate Law for Legal Assistants	1. Using techniques for interviewing learned in the course, role play an investigation of a real estate case. (ILO1, ILO2)
			2. Research the legal issues in a case and prepare a memorandum report of findings. (ILO1, ILO2)
			3. Analyze and describe the legal, financial, and political aspects of a real estate case. (ILO1, ILO2)
503	LEGL 126	Wills Trusts Probate & Estate Admin	1. Outline the requirements of a valid will and describe various types of wills authorized under the laws of various states. (ILO1, ILO2)
			2. Explain the procedures for the payment of a decedent's debts and claims. (ILO1, ILO2)
			3. Explain the nature of trusts and the role of the paralegal in estate planning and in administering trusts. (ILO1, ILO2)
504	LEGL 127	Family Law	1. Explain the elements of statutory marriage and common-law marriage. (ILO1, ILO2)
			2. Outline the steps to be followed and the documentation required in dissolution of marriage cases. (ILO1, ILO2)
			3. Explain the division of property in both community property states and non-community property states. (ILO1, ILO2)
505	LEGL 128	Bankruptcy	1. Review bankruptcy law and analyze scenarios to determine which chapter of bankruptcy should be used and whether a debtor should file bankruptcy. (ILO1, ILO2)
			2. Prepare Chapter 7 Bankruptcy forms. (ILO1, ILO2, ILO4)
			3. Compare and contrast involuntary and voluntary bankruptcy. (ILO1, ILO2)
506	LEGL 129	Torts	1. Research and analyze the nature of tort and tort action. (ILO1, ILO2, ILO4)
			2. Research and outline techniques of investigation in the lawyer's handling of tort claims. (ILO1, ILO2, ILO4)
			3. Research and outline various forms of pleadings for tort cases. (ILO1, ILO2, ILO4)
507	MATH 060	Math Lab	NOT APPLICABLE
508	MATH 061	Basic Mathematics	1. Perform the basic operations with whole and non-signed rational numbers. (ILO2)
			2. Perform conversions to and from fractions, decimals, and percents. (ILO2)
			3. Solve application problems involving oeprations with non-signed rational numbers. (ILO2)
509	MATH 071	Pre-algebra	1. Perform the basic operations with rational numbers. (ILO2)
			2. Compute the area and perimeter of standard geometric shapes. (ILO2)
			3. Solve equations appropriate for a Pre-Algebra class. (ILO2)
510	MATH 081	Beginning Algebra	1. Solve linear equations in one variable. (ILO2)

			2. Factor ploynomial expressions using a variety of methods and solve polynomial equations. (ILO2)
			3. Graph linear equations and find values related to linear graphs. (ILO2)
			4. Solve application problems appropriate to beginning algebra. (ILO2)
511	MATH 091	Intermediate Algebra	1. Solve quadratic equations by factoring, completing the square, and quadratic formula. (ILO2)
			2. Solve equations involving radicals. (ILO2)
			3. Recognize and graph equations of conic sections. (ILO2)
			4. Solve three by three linear systems by elimination or/and substitution. (ILO2)
			5. Solve an application involving exponential functions. (ILO2, ILO5)
512	MATH 110	Number Systems in Elementary Mathematics	1. Demonstrate knowledge of operations and properties by creating story problems and modeling the solutions (ISLO1, ISLO2, ISLO3)
			2. Demonstrate written mathematical communication skills (ISLO1, ISLO4)
			3. Demonstrate analysis of children?s multiplication and division errors (ISLO2, ISLO5)
513	MATH 112	Geometry in Elementary Mathematics	1. Geometric construction by hand and use of technology (ILO3, ILO4)
			2. Written mathematical communication skills (ILO1, ILO4)
			3. Transformation and tessellation projects (ILO3, ILO4)
514	MATH 114	Children's Mathematical Thinking	1. Analyze an elementary child?s thinking by personal interview using pre-defined problem types. (ILO1, ILO2, ILO3)
515	MATH 119	Elementary Statistics	1. Identify, compare, and contrast two articles that include both descriptive and inferential statistics on the same research topic. (ILO2, ILO4)
			2. Apply their knowledge of statistical inference to conduct formal significance tests concerning single populations. (ILO2)
			3. Demonstrate their knowledge of basic descriptive statistics. (ILO2, ILO4)
			4. Apply techniques of linear modeling to explore the relationship between two numerical variables. (ILO2)
516	MATH 122	Finite Mathematics	1. demonstrate the application of matrix math by encoding and decoding a message using a matrix and technology. (ILO2)
			2. will calculate and interpret the probability of everyday events. (ILO2)
			3. apply techniques from the mathematics of finance to a real world situation. (ILO2)
517	MATH 140	Trigonometry	1. verify trigonometric identities (ILO2)
			2. Solve a triangle given two sides and the angle in between. (ILO2)
			3. Show understanding in solving trigonometric equations (ILO2)
518	MATH 150	College Algebra	1. Graph rational functions. (ILO2)
			2. Solve a linear programming problem. (ILO1, ILO2)
			3. Solve an application problem involving exponential growth or decay. (ILO1, ILO2, ILO4)
			4. Perform vertical and horizontal transformations of a basic graph. (ILO2)
519	MATH 170	Introductory Calculus with Applications	1. Demonstrate an understanding of the relationship between slope, average rate of change, instantaneous rate of change, and the derivative. (ILO2)
			2. Calculate limits, derivatives and integrals for polynomial, rational, exponential and logarithmic functions (ILO2)
			3. Use differentiation and integration techniques to solve problems from business, economics, social science and life science. (ILO1, ILO2, ILO4)
			4. Use the derivative to analyze and aid in graphing functions as well as solving optimization and related rate problems. (ILO1, ILO2)
520	MATH 190	Pre-Calculus	1. compute the difference quotient of a function. (ILO2)
			2. solve triangles using appropriate trigonometric laws. (ILO2)
			3. slove applications problems involving logarithmic and exponential functions. (ILO2)
			4. find roots of polynomials of degree 3 or higher. (ILO2)
			5. apply function operations both algebraically and graphically. (ILO2)
521	MATH 192	Calculus I	1. Be able to define and graph hyperbolic and inverse trigonometric functions. (ILO2)
			2. Demonstrate ability to anti-differentiate simple functions (ILO2)
			3. Demonstrate ability to differentiate simple functions. (ILO2)
			4. Be able to set up and solve optimization problems of a single variable. (ILO1, ILO2, ILO4)
			5. Be able to compute limits for simple functions. (ILO2)
522	MATH 194	Calculus II	1. Demonstrate understanding of various techniques of integration (ILO2)
			2. Demonstrate ability to solve applications of integration. (ILO1, ILO2, ILO4)
			3. Demonstrate ability to apply various tests for convergence determination. (ILO2)
			4. distinguish the various types of conic sections (ILO2)
			5. Demonstrate knowledge of the polar system of coordinates. (ILO2)
523	MATH 210	Calculus III	1. apply partial differentiation to the optimization of functions of multiple variables. (ILO1, ILO2)
			2. compute and apply vector products and cross-products. (ILO1, ILO2)
			3. analyze and apply vector ?valued functions. (ILO1, ILO2)

			4. compute and apply multiple integrals. (ILO1, ILO2, ILO4)
			5. recognize and classify the three-dimensional figures appropriate to the course. (ILO1, ILO2)
524	MATH 220	Elementary Differential Equations	1. demonstrate the ability to solve a first order differential equation. ILO2, ILO4)
			2. demonstrate the ability to use a differential equation to model a real world phenomena. (ILO2, ILO5)
			3. demonstrate the ability to find a series solution to a differential equation. (ILO2, ILO4)
525	MATH 230	Introduction to Linear Algebra with Applications	1. Perform matrix operations, and compute determinants, eigenvalues,/vectors, and inverses.
			2. Understand and apply the relationship between linear transformations, matrices and systems of equations. (ILO2)
			3. Analyze, synthesize, and evaluate theorems in Linear Algebra. (ILO2)
526	MATH 240	Discrete Mathematics	1. Use a truth table to test the validity of an argument. (ILO1, ILO2, ILO4)
			2. Construct proofs of mathematical statements using standard techniques, including induction. (ILO1, ILO2, ILO4)
			3. Apply graph theory to real world situations. (ILO1, ILO2, ILO4)
527	MATH 241	Math Software-MATLAB	NO SLOS DEFINED
528	MUS 100	Intro to Music Foundations	1. Demonstrate the locations of pitches on the piano keyboard and on the bass and treble clefs. (ILO2, ILO4)
			2. Perform selected songs on flutophone with correct pitches and rhythm. (ILO2, ILO4)
			3. Write and identify all 15 major scales. (ILO2, ILO4)
			4. Write in counting for rhythms consisting of half, quarter and eighth note/rests. (ILO2, ILO4)
529	MUS 102	Intro to Music Literature & Listening	1. Student will learn and use critical listening skills to discuss and critique a musical work. (ILO1, ILO2, ILO4)
			2. Student will learn to identify all the instruments in an orchestra by their appearance and their sound. (ILO1, ILO2, ILO4))
			3. The student will learn how identify the ?form? of a classical or jazz composition through repeated listenings.(ILO1, ILO2, ILO4))
			4. Student will know the names of the most important Baroque composers and their most significant compositions. (ILO1, ILO2, ILO4)
530	MUS 104	Intro to Twentieth-Century Music	1. Identify the artistic factors that make twentieth-century music. (ILO2, ILO4)
			2. Identify the social and cultural forces that influence the development of twentieth-century music. (ILO2, ILO4, ILO5)
			3. Recognize the artistic factors that make twentieth-century music seem fundamentally different from the music of the past. (ILO2, ILO4, ILO5)
531	MUS 110	Beginning Musicianship I	1. Demonstrate basic sight singing skills. (ILO2, ILO4)
			2. Demonstrate basic ear training skills. (ILO2, ILO4)
532	MUS 112	Beginning Musicianship II	1. Demonstrate two-part melodic dictation, rhythmic dictation containing dotted notes and sixteenth notes. (ILO2, ILO4)
			2. Demonstrate sight-singing skills. (ILO2, ILO4)
533	MUS 120	Beginning Harmony I	1. Demonstrate knowledge of diatonic triads in major keys. (ILO1, ILO2, ILO3, ILO4)
			2. Demonstrate knowledge of diatonic triads in minor keys. (ILO1, ILO2, ILO3, ILO4)
			3. Demonstrate knowledge of seventh chords in major and minor keys. (ILO1, ILO2, ILO3, ILO4)
534	MUS 122	Beginning Harmony II	1. Demonstrate knowledge of Root Position in part-writing in 3-part textures. (ILO1, ILO2, ILO3,
			2. Demonstrate knowledge of Root Position in part-writing in 4-part textures. (ILO1, ILO2, ILO3,
			3. Demonstrate knowledge of Instrumental Ranges and transpositions. (ILO1, ILO2, ILO3, ILO4)
535	MUS 140	Beginning Group Piano I	1. Perform beginning level-1 pieces with correct pitches, rhythms, fingerings, hand position, at a reasonable tempo, with expressions indications observed. (SLO1, SLO2, SLO4)
536	MUS 142	Beginning Group Piano II	1. Perform beginning level-2 pieces with correct pitches, rhythms, fingerings, hand position, at a reasonable tempo with expressions indications observed. (ILO1, ILO2, ILO4)
537	MUS 150	Beginning Voice I	1. Demonstrate healthy singing techniques conducive to producing a beautiful tone; perform simple vocal literature suitable for voice range and maturity. (ILO1, ILO2, ILO4)
538	MUS 152	Beginning Voice II	1. Demonstrate increasing mastery of vocal techniques; perform a variety of repertoire including but not limited to Spanish, folk, musical theater, classical, and popular music. (ILO1, ILO2, ILO4)
539	MUS 154	Chamber Singers	1. Demonstrate knowledge and performance skills in a variety of choral repertoire, from moderate to advanced levels of difficulty; and from genres including Classical, Jazz, Gospel, Easy-Listening, World music, Spirituals, Songs from Musical Shows, Broadway Tunes, and Pop tunes. Additionally, demonstrate professional decorum during public performances on and off-campus. (ILO1, ILO2, ILO3, ILO5)

540	MUS 156	College-Community Chorus	1. Demonstrate knowledge and performance skills in a variety of choral repertoire, from moderate to advanced levels of difficulty; and from genres including Classical, Jazz, Gospel, Easy-Listening, World music, Spirituals, Songs from Musical Shows, Broadway Tunes, and Pop tunes. Additionally, demonstrate professional decorum during public performances on and off-campus. (ILO1, ILO2, ILO3, ILO5)
541	MUS 160	Beginning Guitar I	1. Perform beginning level-1 melodies in first position with correct pitches, rhythm, fingering, at a reasonable tempo with expressions indications observed. (ILO1, ILO2, ILO4)
			2. The student will be able to play the following open-string chords: Majors: C,G,D,A,E ? Minors: Am,Em,Dm, - Sevenths: G7,D7,A7,B7. (ILO1, ILO2, ILO4)
			3. Students will be able to read and play the 15 natural notes found in first position. (ILO1, ILO2, ILO4)
			4. Student will demonstrate the correct way to pluck a guitar using a pick or their right-hand fingers. (ILO2, ILO4)
542	MUS 162	Beginning Guitar II	1. Perform beginning level-2 melodies (with accidentals) in first position with correct pitches, rhythm, fingering, at a reasonable tempo with expressions indications observed. (ILO1, ILO2, ILO4)
			2. Know and strum the 5 types of ?E-form? Barr Chords: Major, Minor, Dom7, Minor7, Major7. (ILO1, ILO2, ILO4)
			3. Know and perform one moveable major scale pattern in any key. (ILO1, ILO2, ILO4)
			4. Student will be able to perform musical arrangements with other guitarists in an ensemble. (ILO1, ILO3, ILO4)
543	MUS 171	Chamber Orchestra	1. Exhibit improved technical skill on their instrument. (ILO2, ILO3)
			2. Exhibit improved musical skills including sight-reading, rhythmic accuracy, dynamic accuracy, and intonation. (ILO2, ILO3)
			3. Exhibit improved ensemble skills including following directions, group dynamics, section playing, ensemble playing and the role of the section leader. (ILO1, ILO2, ILO3, ILO4)
			4. Exhibit knowledge of different stylistic performance practices; e.g., Baroque, Classical, Romantic, and/or Modern; as drawn from the literature studied. (ILO4, ILO5)
			5. Exhibit knowledge of the musical repertoire of the chamber orchestra; e.g., Baroque, Classical, Romantic, and/or Modern; as drawn from the literature studied. (ILO4, ILO5)
			6. Exhibit music reading and listening skills including resources for interpretation of notation and style, historical and cultural context through multiple sources. (ILO1, ILO2, ILO4, ILO5)
544	MUS 172	College-Community Band	1. learn a wide variety of styles of concert band music, ranging from classical to standards to Blues to Dixieland to contemporary. (ILO2, ILO5)
545	MUS 175	Instrumental Ensemble	1. Attain better aural awareness and ensemble performance skills. (ILO1, ILO2, ILO3)
			2. Improve the understanding and reading of syncopated jazz rhythms on his/her instrument. (ILO1, ILO2, ILO3)
			3. Improvise a 12-bar blues solo on his/her instrument. (ILO1, ILO2, ILO3)
			4. The student will demonstrate that they can perform the correct notes and rhythm with an ensemble. (ILO1, ILO3)
546	MUS 177	Stage Band	1. Exhibit improved technical skill on their instrument. (ILO3)
			2. Exhibit improved musical skills including sight-reading, rhythmic accuracy and improvisational skills. (ILO4)
			3. Exhibit improved ensemble skills including following directions, group dynamics, section playing, ensemble playing and the role of the lead player. (ILO1)
			4. Exhibit improved performance skills including personal, group, composer and audience responsibility that gives the performance the authenticity required. (ILO1, ILO5)
			5. Exhibit knowledge of the repertoire of the jazz ensemble including traditional, blues, swing, ballads, rock, funk and latin. (ILO2)
			6. Exhibit music reading and listening skills including resources for interpretation of notation and style, historical and cultural context through multiple sources. (ILO4, ILO5)
547	MUS 178	Symphony Orchestra	1. Exhibit improved technical skill on their instrument. (ILO2, ILO3)
			2. Exhibit improved musical skills including sight-reading, rhythmic accuracy, dynamic accuracy, and intonation. (ILO2,ILO3)
			3. Exhibit improved ensemble skills including following directions, group dynamics, section playing, ensemble playing and the role of the section leader. (ILO1, ILO2, ILO3, ILO4)
			4. Exhibit knowledge of different stylistic performance practices; e.g., Baroque, Classical, Romantic, and/or Modern; as drawn from the literature studied. (ILO4, ILO5)
			5. Exhibit knowledge of the musical repertoire of the symphony orchestra; e.g., Baroque, Classical, Romantic, and/or Modern; as drawn from the literature studied. (ILO4, ILO5)
			6. Exhibit music reading and listening skills including resources for interpretation of notation and style, historical and cultural context through multiple sources. (ILO1, ILO2, ILO4, ILO5)

548	MUS 179	Applied Music	1. Acquire physical skills and dexterity on his or her declared, major instrument including voice. (ILO1, ILO2, ILO4)
			2. Student will perform 6 major scales (or minor scales) from the lowest range to the highest range of their instrument/voice accurately and at a moderate tempo without a mistake. (SLO1, SLO2, SLO4)
			3. Student will perform a classical composition (or song) correctly adhering to all rhythmic and pitch information. (ILO1, ILO2, ILO4)
			4. First semester students will perform two songs or compositions that differ in style and character. (ILO1, ILO2, ILO4)
549	MUS 182	Introduction to Recording Techniques	1. Record a 3 minute song by recording four different tracks using Sonar recording software. (ILO1, ILO2, ILO4)
			2. Know the difference between a dynamic, condenser and ribbon microphones in terms of their electronic principles, construction and recording applications. (ILO1, ILO2, ILO4)
			3. Give a class presentation from the ?Recording Studio? chapter of the class handbook: Modern Recording Technique, 7th ed. (ILO1, ILO2, ILO4)
			4. Distinguish between the various types of recording studios and their commercial purposes. (ILO1, ILO3, ILO4)
550	MUS 184	Advanced Recording Techniques	1. Record and Mix a four minute surround-sound recording with four instrumental tracks using Sonar recording software. (ILO1, ILO2, ILO4)
			2. List and explain the ?Ten Aspects of a Recorded Piece of Music? as described in the mixing article of the same name. (ILO1, ILO2, ILO4)
			3. Give a class presentation on the different type of recording studios and their applications. (ILO1, ILO2, ILO4)
			4. Demonstrate how to use effect processors practically and artistically.(ILO1, ILO2, ILO4)
551	MUS 200	Hist & Literature of Music I	1. Demonstrate knowledge of Western music composed between 450 through 1750. (ILO1, ILO2, ILO4, ILO5)
			2. Identify and discern music of the various eras involved via listening. (ILO1, ILO2, ILO4, ILO5)
			3. Demonstrate knowledge of four key composers of each epoch studied. (ILO1, ILO2, ILO4, ILO5)
552	MUS 202	Hist & Literature of Music II	1. Correctly analyze music through listening to determine texture (monophonic, heterophonic, polyphonic, or homo phonic) (ILO2, ILO4)
			2. Correctly analyze music through listening to determine orchestration (instrumentation or voicing). (ILO2, ILO4)
			3. Correctly analyze music through listening to determine form quality (major, minor, or modal) with special emphasis on period (or style). (ILO2, ILO4, ILO5)
			4. Correctly analyze music through listening to determine form quality (major, minor, or modal) with special emphasis on period (or style). (ILO2, ILO4, ILO5)
			5. Correctly analyze music through listening to determine orchestration (instrumentation or voicing). (ILO2, ILO4)
553	MUS 210	Intermediate Musicianship I	1. Demonstrate three-part harmonic dictation. (ILO2, ILO4)
			2. Demonstrate rhythmic dictation including triplet figures, dotted notes and compound meter, and intermediate-level sight-singing skills. (ILO2, ILO4)
554	MUS 212	Intermediate Musicianship II	1. Demonstrate four-part harmonic dictation, and two-part counterpoint dictation. (ILO2, ILO4)
			2. Demonstrate advanced sight-singing skills. (ILO2, ILO4)
555	MUS 220	Intermediate Harmony I	1. Demonstrate knowledge of non-chords tones, including appoggiaturas, escape tones, neighbor group and anticipations, and pedal point. (ILO1, ILO2, ILO3, ILO4)
			2. Analyze non-chord tones. (ILO1, ILO2, ILO3, ILO4)
			3. Analyze varied types of modulations. (ILO1, ILO2, ILO3, ILO4)
556	MUS 222	Intermediate Harmony II	1. Demonstrate knowledge of non-chords tones, including appoggiaturas, escape tones, neighbor group and anticipations, and pedal point. (ILO1, ILO2, ILO3, ILO4)
			2. Analyze non-chord tones. (ILO1, ILO2, ILO3, ILO4)
			3. Analyze varied types of modulations. (ILO1, ILO2, ILO3, ILO4)
557	MUS 240	Intermediate Group Piano I	1. Perform intermediate level-1 pieces with correct pitches, rhythms, fingerings, hand position, at a reasonable tempo, with expressions indications observed. (ILO1, ILO2, ILO4)
558	MUS 242	Intermediate Group Piano II	1. Perform intermediate level-2 pieces with correct pitches, rhythms, fingerings, hand position, at a reasonable tempo, with expressions indications observed. (ILO1, ILO2, ILO4)
559	MUS 250	Intermediate Voice I	1. Demonstrate intermediate mastery of vocal techniques; perform music of varied genres in different languages with increasing musicality, characterization, phrasing, proper articulation and diction. (ILO1, ILO2, ILO4)

560	MUS 252	Intermediate Voice II	1. Demonstrate advanced vocal technical mastery, including proper breath control, phrasing, musicianship, characterization, and expressivity; perform music of increasing technical difficulty in different languages such as English, Spanish, French, Latin, and other languages; perform music of varied genres with authenticity. (ILO1, ILO2, ILO4, ILO5)
561	MUS 260	Intermediate Guitar I	1. Perform intermediate level-1 melodies (with accidentals & eight-note rhythms) in 2nd and 3rd positions with correct pitches, rhythm, fingering, at a reasonable tempo, with expressions indications observed. (ILO1, ILO2, ILO4)
			2. Know and strum the 5 types of ?A-form? Barr Chords: Major, Minor, Dom7, Minor7, Major7. (ILO1, ILO2, ILO4)
			3. Know and perform one moveable minor scale pattern in any key. (ILO1, ILO2, ILO4)
			4. Student will be able to perform musical arrangements with other guitarists in an ensemble. (ILO1, ILO3, ILO4)
562	MUS 262	Intermediate Guitar II	1. Perform intermediate level-2 melodies (with accidentals & sixteenth-note rhythms) in 4th and 5th positions with correct pitches, rhythm, fingering, at a reasonable tempo, with expressions indications observed. (ILO1, ILO2, ILO4)
			2. Know and strum the 5 types of ?A-form? Barr Chords: Major, Minor, Dom7, Minor7, Major7. (ILO1, ILO2, ILO4)
			3. Know and perform one moveable minor scale pattern in any key. (ILO1, ILO2, ILO4)
			4. Student will be able to perform musical arrangements with other guitarists in an ensemble. (ILO1, ILO3, ILO4)
563	NURS 089	Individual Studies: Nursing AS	1. demonstrate new learning or study techniques and appropriate application to certificate/degree courses (ILO 2, ILO 3, ILO 4)
564	NURS 090	Nursing ReEntry Skills Laboratory I	1. correctly and safely demonstrate administration of oral, intramuscular, and subcutaneous medications to clients of all ages in simulated client situations. (ILO1, ILO2)
565	NURS 092	Nursing ReEntry Skills Laboratory II	1. do a physical assessment on a postpartum patient and on a non-obstetrical patient in a simulated setting (ILO 1, 2)
			2. appropriate and safe technique for intravenous insertion or medication administration in a simulated setting. (ILO 1, 2, 3, 4)
566	NURS 094	Nursing ReEntry Skills Laboratory III	1. demonstrate, to the lab or clinical instructors, the appropriate clinical skills competencies during check offs and simulations. (ILO1, ILO2, ILO3, ILO4, ILO5)
567	NURS 096	Nursing ReEntry Skills Laboratory IV	1. apply nursing interventions and prevention of complications in patients with multisystem stressors in a simulated setting. ILO 1,2
568	NURS 100	Medication Mathematics	1. utilize dimensional analysis and conversion calculations for metric, apothecary, and household measures to correctly calculate dosages or oral or parenteral medication. (ILO2, ILO3, ILO5)
569	NURS 110	Nursing Process I	1. Students will demonstrate an understanding of basic fundamental nursing skills, which will be evaluated through written examination and ATI Fundamental exam. ILO1 ILO2
			2. Students will identify the ten 2010 National Patient Safety Goals (NPSGs), which will be evaluated by written exam and clinical observation. Students will be able to apply in the NPGs in the clinical setting. ILO2 ILO3 ILO5
			3. Students will develop a nursing careplan applying the appropriate components of the nursing process, which will be evaluated by written exam and class presentation. ILO1 ILO2 IL03 ILO4
570	NURS 111	Nursing Skills Laboratory I	1. Students will demonstrate correct techniques for administration of medications to clients of all ages in simulated client situations. Medications will include oral, intramuscular and subcutaneous medications, and correct client identification in accordance to the National Patient Safety Goals.ILO1 ILO2 ILO4
571	NURS 112	Nursing Process Application I	1. apply basic fundamental nursing skill learning Nursing 111 and Nursing 110 to clients of various backgrounds in a safe and effective manner. (ILO2, ILO3)
			2. demonstrate knowledge in documenting nursing care. (ILO1, ILO3, ILO4)
			3. compare contrast physical assessment in clients of all ages with emphasis on the physiological basis of vital signs and health conditions. (ILO1, ILO2, ILO3, ILO5)
			4. document nursing care plan for assigned clients ensuring safety. (ILO2, ILO3)
572	NURS 113	Pharmacology I	1. Dfferentiate the principles of Pharmacology, Pharmacodynamics, Pharmacokinetics Pharmacogenetics, therapeutics and toxicology. This will be determined by passing the first test with a 75% or better. (ILO2)
			2. Identify the mechanism of action, use, side effects and nursing interventions of medications for the pain control, bacterial & viral infection, Cardiovascular, gastrointestinal, skin, otic, ophthalmic, anemia and diabetes by passing the final with a 75 percent or better. (ILO2)
573	NURS 121	Nursing Skills Laboratory III	1. Demonstrate physical assessment on a postpartum patient and on a non-obstetric patient in a simulated setting ILO 1,2
			2. Demonstrate appropriate and safe technique for intravenous insertion in a lab or simulated setting ILO 1,2,3,4

			3. Plan, develop, and demonstrate a patient education session. ILO 1,2,4,5
574	NURS 123	Pharmacology II	1. identify the mechanism of action, use, side effects, and nursing interventions of medications for the CNS, cardiovascular, pulmonary, immune, reproductive and endocrine systems and for anti-infective, oncological, and allergic response medications by passing the final with a 75% or better score.
575	NURS 125	Nursing Process and Applications II	1. determine actual and potential problems of the maternity cycle and appropriate nursing responses to restore and promote health. (ILO 2, 4, 5)
			2. plan, implement, and evaluate outcome of nursing care of adult and/or pediatric patients with common problems of the respiratory, surgical, and/or reproductive systems. (ILO 1, 2, 3, 4)
			3. demonstrate safe medication administration in a simulated or clinical setting. (ILO 1, 2, 3, 4)
			4. demonstrate critical thinking through development of a nursing care plan on one selected patient in the clinical setting. (ILO 2, 4)
			5. demonstrate effective verbal and written communication in a clinical setting. (ILO 1, 2, 4)
			6. plan, implement, and evaluate nursing care of the obstetric and newborn (ILO 1, 2, 3, 4)
			7. demonstrate theoretic knowledge of nursing care for the patient with a respiratory problem. (ILO 2, 4)
			8. demonstrate professionalism and preparation for effective participation in the clinical setting. (ILO 3, 4)
576	NURS 126	Physical Assessment Skills	1. define and perform a complete Health Assessment. (ILO1, ILO2, ILO3, ILO5)
			2. demonstrate head-to-toe physical assessment in a systematic manner. (ILO1, ILO2, ILO3, ILO5)
			3. identify abnormal findings for the adult population. (ILO2, ILO5)
577	NURS 204	Transition to Associate Degree Nursing	1. apply each step of the nursing process to simulated client scenarios while demonstrating a head-to-toe assessment and turn in a care plan reflecting the steps of the nursing process. (ILO1, ILO2, ILO3)
			2. develop a comprehensive nursing care plan, when provided with client data, integrating the nursing process: 1) health assessment, 2) formulating a nursing diagnosis based on subjective and objective data, 3) setting a goal for improving outcomes, 4) implementing therapeutic interventions and 5) evaluating the outcomes of care. (ILO1, ILO2, ILO3)
			3. successfully perform basic fundamental skills in a simulation lab, which were learned in LVN program, and pass Fundamentals and Maternal-Newborn exams, ATI. (ILO2, ILO3, ILO4, ILO5)
578	NURS 211	Nursing Skills Laboratory III	1. Satisfactorily demonstrate to the lab or clinical instructors clinical skills competencies during check offs and simulations. (ILO1, ILO2, ILO3, ILO4, ILO5)
579	NURS 221	Nursing Skills Laboratory IV	1. Demonstrate nursing interventions and prevention of complications in patients with multisystem stressors. (ILO 1,2)
580	NURS 224	Psychiatric & Mental Health Nursing	1. Identify actual or potential problems, assess data gathered, formulate a nursing diagnosis, implement a plan of action, evaluate outcome of plan. (ILO1, ILO2, ILO3, ILO4)
			2. Recognize a legal and/or ethical problem in the psychiatric clinical rotation. (ILO2, ILO3)
581	NURS 225	Psychiatric & Mental Health Nursing Application	1. Assess a set of clinical data, formulate a nursing diagnosis, implement a plan, and evaluate outcome of the action plan. (ILO1, ILO2, ILO3, ILO4)
582	NURS 230	Nursing Trends	1. develop a professional resume for an ADRN graduate career opportunity that takes into consideration the industry's expectations for entry-level competencies. (ILO2, ILO3)
583	NURS 231	Nursing Process and Application III	1. Determine actual and potential problems of the pediatric population and appropriate nursing responses to restore and promote health. (ILO2, ILO4)
			2. Plan, implement, and evaluate nursing care of adult and/or pediatric patients with common, chronic, acute adaptive disorders of the neurological, cardiac, endocrine, renal, gastrointestinal, and/or musculoskeletal systems. (ILO1, ILO2, ILO3, ILO4)
			3. The student will apply relevant nursing theory to patient care to individualized patient and families with common, acute, and chronic body systems stressors in the hospital. a. Assessed by clinical evaluation tools b. Assessed by clinical case studies/care plans (ILO1, ILO2, ILO3, ILO4)
			4. Demonstrate proper use of delegation, team leading, and the use of interdisciplinary model to manage and/or coordinate the health care of selected patients. (ILO1, ILO2, ILO3, ILO4)
584	NURS 240	Intravenous Therapy Techniques	1. The student will be able to perform a successful venipuncture using proper protocol after identifying the most appropriate site. ISLO3
			2. The student will be able to identify legal implications related to intravenous therapy regulatory requirements and standards. ISLO4
585	NURS 241	Nursing Process and Applications IV	1. understand nursing theory to plan, implement and evaluate nursing care for adult, geriatric and pediatric patients with acute, complex, or multi-system adaptive disorders of the neurological, cardiac, respiratory, and/or endocrine systems.
			Demonstrate integration of knowledge in all areas of nursing by passing the ATI Comprehensive/Predictor exam with an individual score of 75% or above. (ILO2, ILO3, ILO5)

			2. understand nursing theory to plan, implement and evaluate nursing care for adult, geriatric and pediatric patients with acute, complex, or multi-system adaptive disorders of the neurological, cardiac, respiratory, and/or endocrine systems.
			Demonstrate integration of knowledge in all areas of nursing by passing the ATI Med/Surg exam with a level 1 or above. (ILO2, ILO3, ILO5)
			3. apply relevant nursing theory to patient care to individualized patient and families with multiple body systems stressors in the hospital.
			Assessed by clinical evaluation tools. (ILO2, ILO3, ILO5)
			4. apply relevant nursing theory to patient care to individualized patient and families with multiple body systems stressors in the hospital.
			Assessed by clinical case studies. (ILO2, ILO3, ILO5)
			5. apply relevant nursing theory to patient care to individualized patient and families with multiple body systems stressors in the home or/and outpatient setting.
			Assessed by journals of learning experience in home health and outpatient settings. (ILO1, ILO2, ILO5)
			6. apply relevant nursing theory to patient care to individualized patient and families with multiple body systems stressors in the home or/and outpatient setting.
			Assessed by student and mentor evaluations. (ILO1, ILO2, ILO5)
			7. differentiate history and physical data to determine the client's level of neurological system adaptation and determine appropriate nursing care for actual and potential problems in the adult, geriatric, and pediatric clients. (ILO2, ILO3, ILO5)
			8. apply the nursing process, ethical and legal principle and knowledge of community resources in the planning, implementation, management, and evaluation of care for a variety of client's in community and home health settings. (ILO2, ILO3, ILO5)
586	PE 100	Lifetime Exercise Science	1. Identify correct strength training principles and design a personal strength training program. (ILO2)
			2. Identify correct cardiovascular principles and design a personal cardiovascular program. (ILO2)
587	PE 102	Physical Fitness	1. Demonstrate strength and endurance components. (ILO1, ILO2, ILO3, ILO4)
			2. Demonstrate improved cardiovascular fitness. (ILO1, ILO2, ILO3, ILO4)
588	PE 103	Physical Fitness - Women	1. Increase confidence in one's ability to exercise, and recognize benefits of exercies. (ILO3)
589	PE 104	Weight Training	1. Create and implement a comprehensive personal strength training program. (ILO1, ILO2, ILO3)
			2. Demonstrate knowledge of strength development and appropriate weight training principles. (ILO1, ILO2, ILO3, ILO4)
590	PE 105	Public Safety Fitness	1. Demonstrate strength and endurance components. (ILO1, ILO2, ILO3, ILO4)
			2. Demonstrate improved cardiovascular fitness. (ILO1, ILO2, ILO3, ILO4)
591	PE 106	Walking/Jogging Fitness	1. demonstrate improved aerobic fitness. (ILO3)
			2. design, implement and critique a walking/jogging route of a designated distance around his/her neighborhood using a satellite system, . (ILO1, 2, 3, 4, 5)
592	PE 107	Aquatic Exercise	1. Design, implement and critique a 60 minute comprehensive aquatic workout. (ILO1, 2, 3, 4)
			2. Increase cardiovascular fitness. (ILO3)
593	PE 110	PE Activity - Military	NOT APPLICABLE
594	PE 111	Aerobics - Step	1. Understand basic step aerobics steps and moves. (ILO1)
			2. Be ableo to do step aerobics for at least 30 continuous minutes. (ILO3)
595	PE 112	Basketball - Men	1. Perform with an increasing degree of proficincy in the skills, techniques and strategies of basketball. (ILO1, ILO2, ILO3)
596	PE 113	Basketball - Women	1. Demonstrate basic skills (dribbling, shooting, passing). (ILO3)
			2. Expalin basic strategies of offense and defense. (ILO1, ILO2, ILO4, ILO5)
597	PE 120	Softball	1. Perform the offensive and defensive "hit and run" skill with an increasing degree of proficiency. (ILO1, ILO2, ILO3)
598	PE 121	Beginning to Intermediate Swimming	1. exhibit improved swimming skills by moving up one level on the Am Red Cross Learn-to-Swim Program (ILO3)
			2. create, implement, and critique one 45 minute swim workout (ILO 1, 2, 3)
599	PE 122	Lifeguard Training	1. demonstrate knowledge of water safety skills and American Red Cross rescue techniques (ILO 1, 2, 3)
			2. recognize an aquatic emergency and respond by demonstrating appropriate entry, approach, and rescue of victim according to American Red Cross standards (ILO 1, 2, 3, 4)
600	PE 123	Water Safety Instr Train	1. demonstrate knowledge of swimming skills (ILO1, 2, 4)
			2. implement a lesson plan that effectively teaches one aquatic skill using appropriate organization, strategies, cues, and constructive feedback (ILO 1, 2, 3, 4)
601	PE 126	Tennis	1. exhibit improved fundamental tennis strokes and foot work. (ILO1, ILO2, ILO3, ILO4)

			2. model tennis game strategy and procedures. (ILO1, ILO2)
			3. demonstrate knowledge of tennis fundamentals and court etiquette. (ILO1, ILO2, ILO4)
602	PE 127	Tennis - Advanced	1. perform the skills, footwork, and strategies of tennis with an increased degree of proficiency. (ILO1, ILO2, ILO3, ILO4)
			2. demonstrate comprehensive knowledge of tennis concepts. (ILO1, ILO2, ILO4)
603	PE 128	Volleyball	1. demonstrate basic skills (passing, setting, spiking & serving). (ILO1, ILO3)
			2. explain basic strategies of offensive and defensive transitions. (ILO1, ILO2, ILO4, ILO5)
			3. display a general understanding of rules relating to the game of volleyball both nationally and internationally. (ILO1, ILO5)
604	PE 129	Volleyball - Advanced	1. demonstrate the knowledge of the history of indoor and beach volleyball games. (ILO2, ILO3,
			2. understand the basic language used in volleyball. (ILO1, ILO2, ILO4)
605	PE 130	Adapted Physical Exercise	1. exhibit improved fitness in one of the fitness principles (ILO3)
			2. design a comprehensive workout plan following sound fitness principles. (ILO1, ILO2, ILO4)
606	PE 131	Adapted Sports	1. demonstrate improved skills in one sport. (ILO3)
			2. design, implement, and critique a workout plan incorporating training activities involved in one sport (ILO1, 2, 4)
607	PE 140	Baseball - Advanced	1. identify approprate offensive baseball principles. (ILO2, ILO3, ILO4)
			2. identify approprate defensive baseball principles. (ILO2, ILO3, ILO4)
608	PE 141	Softball - Women	1. Identify approprate offensive softball principles. (ILO2, ILO3, ILO4)
			2. Identify approprate defensive softball principles. (ILO2, ILO3, ILO4)
609	PE 142	Advanced Swimming	1. exhibit improved swimming endurance (ILO3)
			2. create, implement, and critique one 60 minute comprehensive aquatic workout (ILO 1, 2, 3, 4)
610	PE 143	Advanced Basketball - Men	1. perform, with an increasing degree of proficiency in the advanced skills, techniques and strategies of basketball. (ILO1, ILO2, ILO3)
611	PE 144	Advanced Basketball - Women	1. Demonstrate the knowledge of the advanced skills necessary to participate in a basketball game. (ILO1, ILO2, ILO3, ILO4)
			2. Demonstrate and apply the rules associated with the game of basketball. (ILO1, ILO2, ILO4)
			3. Experience comprehensive offensive and defensive systems utilized and apply the strategy of when to use them. (ILO1, ILO2, ILO3, ILO4, ILO5)
612	PE 161	Pre-Season Conditioning for Athletes	1. Improve cardiovascular and muscular fitness. (ILO1, ILO3)
613	PE 162	In Season Conditioning for Athletes	1. Improve cardiovascular and muscular fitness. (ILO1, ILO3)
614	PE 170	Beginning Bowling	1. Demonstrate fundamental skills and techniques. (ILO1, ILO2, ILO3, ILO4)
			2. Apply the procedures used in scoring. (ILO1, ILO2, ILO3, ILO4)
			3. Identify the rules of bowling etiquette. (ILO1, ILO3)
615	PE 171	Intermediate Bowling	1. Understand the forces that affect the path of the ball. (ILO1, ILO2, ILO3)
			2. Identify and correct improper stance and release techniques to assist in a higher percentage of hit pins. (ILO1, ILO2, ILO3)
			3. Able to skillfully deliver the ball to the proper points of aim for strikes and spares. (ILO1, ILO2, ILO3)
616	PE 172	Advanced Bowling	1. Demonstrate competency in advanced skills and techniques with relation to delivery principles, strike principles and spare principles. (ILO2, ILO3, ILO4)
			2. Demonstrate the 3-6-9 and 2-4-6- adjustment systems. (ILO3, ILO4)
			3. Demonstrate competitive play in a tournament setting. (ILO3)
617	PE 200	Theory of Baseball	1. Demonstrate approprate offensive baseball strategy. (ILO2, ILO3, ILO4)
			2. Demonstrate approprate defensive baseball strategy. (ILO2, ILO3, ILO4)
618	PE 201	Theory of Basketball	1. Identify offensive and defensive concepts of team basketball with an increasing degree of proficiency. (ILO1, ILO2, ILO4)
			2. Perform with an increasing degree of proficiency in the fundamental skills, techniques, and strategies of basketball. (ILO1, ILO2, ILO3)
619	PE 202	Theory of Softball	1. Demonstrate approprate offensive softball strategies. (ILO2, ILO3, ILO4)
			2. Demonstrate approprate defensive softball strategies. (ILO2, ILO3, ILO4)
620	PE 203	Theory of Volleyball	1. Demonstrate the knowledge of the history of indoor and beach volleyball games. (ILO2, ILO3, ILO4)
			2. Describe some of the basic workouts that prepare a player for success in the game. (ILO1, ILO2, ILO4)
			3. Compose a nutritional regime that meets criteria necessary for quality performance. (ILO1, ILO2, ILO3, ILO4, ILO5)
			4. Experience basic offensive and defensive systems utilized and know the strategy of when to use them. (ILO1, ILO2, ILO3, ILO4, ILO5)

621	PE 209	Introduction to Physical Educaion	1. Identify cultural influences and trends influencing physical education.(ISLO2, ISLO4, ISLO5)
			2. Identify career related fields in Physical Education and Exercise Science. (ISLO1, ISLO2, ISLO5)
			3. Assess future issues in Physical Education and Exercise Science. (ISLO2, ISLO4, ISLO5)
622	PE 211	Physical Education in the Elementary School	1. Create and perform appropriate elementary PE lessons. (ILO1, ILO2, ILO3)
			2. Determine and evaluate appropriate and inappropriate elementary PE practices and lesson components. (ILO1, ILO2, ILO3, ILO4)
			3. Critique lesson highlights and needed improvements. (ILO1, ILO2, ILO3)
623	PE 219	Introduction to Athletic Training	1. Discuss the duties of an Athletic Trainer and the requirements for certification. (ILO1, ILO3, ILO4)
			2. Identify and care for common athletic injuries. (ILO1, ILO2, ILO3)
			3. Recognize and provide emergency first aid for serious athletic injuries. (ILO1, ILO2, ILO3, ILO4)
624	PE 221	Psychology of Coaching	1. Analyze the role that competition plays in our continuing development as individuals. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Explain psychological principles used by successful coaches in various sports. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Identify the problems in sports as they relate to mental vs. physical performance. (ILO1, ILO2, ILO3)
625	PE 222	Sports Officiating	1. Observe, identify and utilize the basic techniques of officiating. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Understand and implement the rules for each sport. (ILO1, ILO2, ILO3, ILO4)
			3. Understand and implement the appropriate hand gestures with the specific call/rule. (ILO1, ILO2, ILO3, ILO4)
626	PHIL 100	Introduction to Philosophy	1. Describe the foremost ideas and arguments in the three major philosophical fields. (ILO1, ILO2,ILO4)
			2. Critique various philosophical arguments. (ILO1, ILO2,ILO4)
			3. Write their own arguments on Epistemological, Metaphysical and Ethical issues. (ILO1, ILO2)
627	PHIL 102	Introduction to Philosophy II	1. Locate the major arguments of the major philosophers covered in the course. (ILO2, ILO4)
			2. Describe the major arguments of the major philosophers covered in the course. (ILO1, ILO3, ILO4)
			3. Critique the major arguments of the major philosophers covered in the course. (ILO1, ILO2, ILO4)
628	PHIL 104	Ethics	1. Describe the arguments that pertain to foremost ethical theories. (ILO1, ILO2, ILO4)
			2. Critique various ethical arguments. (ILO1, ILO2, ILO4)
			3. Apply ethical theories to actual social issues. (ILO1, ILO2, ILO4)
629	PHIL 106	Logic	1. Distinguish the four types of arguments. (ILO1, ILO2)
			2. Locate fallacious reasoning. (ILO1, ILO2)
			3. Describe various ethical positions. (ILO1, ILO2)
630	PHSC 110	Physical Science	1. conceptualize the fundamental differences between mass and weight and between speed and velocity, using illustrative examples. (ILO2)
			2. comprehend and apply the principle of Conservation of Energy to simple machines, e.g. levers. (ILO2)
			3. distinguish between series and parallel circuits, identifying their advantages and disadvantages. (ILO2)
631	PHYS 200	General Physics I	1. Solve one-dimensional and two-dimensional motion problems involving position, velocity, and acceleration. (ILO2, ILO4)
			2. Solve problems (using algebra, calculus, and trigonometry as tools) involving Newton?s Laws and their applications including friction. (ILO2, ILO4)
			3. Solve problems involving potential and kinetic energies and conservation of energy. (ILO2, ILO4)
			4. Solve problems involving impulse, momentum, and conservation of momentum. (ILO2, ILO4)
			5. Solve problems involving work, energy, and power. (ILO2, ILO4)
632	PHYS 202	General Physics II	1. Solve problems involving Gauss' Law. (ILO2, ILO4)
			2. Solve problems involving capacitors. (ILO2, ILO4)
			3. Solve problems involving magnetic fields in and near conductors, and the motion of charged particles in a magnetic field. (ILO2, ILO4)
			4. Solve problems involving EMF, resistor combinations, Kirchoff's Law. (ILO2, ILO4)
			5. Solve problems involving Faraday's and Lenz's Laws, and induced EMFs. (ILO2, ILO4)
633	PHYS 204	General Physics III	1. Solve problems involving interference, reflection, transmission of transverse waves, and Doppler Effect. (ILO2)
			2. Solve problems involving plane mirrors, thin lenses, and spherical mirrors. (ILO2)
			3. Solve polarization, reflection, refraction, and diffraction problems. (ILO2)
			4. Solve single and double slit interference problems. (ILO2)
			5. Solve problems involving First and Second Laws of Thermodynamics problems. (ILO2)
634	POLS 100	Introduction to Political Science	1. Develop an understanding of the major sub-fields of political science. (ILO2, ILO4,ILO5)
			2. Examine the world's major ideologies and political systems. (ILO1, ILO2, ILO5)
			3. Develop an understanding of universal Human Rights. (ILO1, ILO2, ILO3, ILO5)

635	POLS 102	American Government & Politics	1. Develop an understanding of civic responsibility. (ILO3, ILO5).
			2. Participate in activities that promote the public good (e.g., the voting process, jury duty, community service). (ILO1, ILO3, ILO5).
			3. Examine the election and voting process. (ILO2, ILO4, ILO5).
636	POLS 104	Comparative Politics	1. Develop an understanding of the world community. (ILO2, ILO3, ILO4, ILO5)
			2. Compare and contrast national governments around the world. (ILO1, ILO2, ILO4, ILO5)
			3. Participate in activities that promote global good (e.g., community service, bi-national community service, international charities). (ILO1, ILO2, ILO4, ILO5)
637	POLS 106	Introduction to International Relations	1. Develop an understanding of the structure and processes of the international community. (ILO2, ILO4, ILO5)
			2. Identify the responsiblilities of national governments in the international system. (ILO1, ILO2, ILO4, ILO5)
			3. Examine the significance and impact of conflict in world relations and it's influence on governments and individuals.(ILO1, ILO2, ILO3, ILO5)
638	PSY 101	Introduction to Psychology	1. Conduct a search for appropriate psychological research articles using a number of data sources. (ILO4)
			2. Write a paper on a psychological topic using appropriate research articles. (ILO1; ILO2; ILO3)
			3. Compare and contrast in the written paper a psychological topic from a Western and non-Western perspective. (ILO1; ILO2; ILO5)
639	PSY 104	Child Growth and Development	1. Analyze major developmental milestones for children from conception through adolescence in the areas of physical, psychosocial, cognitive, and language development using standard research methodologies. (ILO2, ILO4, ILO5)
			2. Analyze how cultural, economic, political, historical contexts affect children?s development. (ILO2, ILO4, ILO5)
			3. Compare and contrast various theoretical frameworks that relate to the study of human development. (ILO2, ILO4, ILO5)
			4. Apply developmental theory to the analysis of child observations, surveys, and/or interviews using investigative research methodologies. (ILO2, ILO4, ILO5)
			5. Differentiate characteristics of typical and atypical development at various stages. (ILO2, ILO4, ILO5)
			6. Analyze the importance of the early years and the interaction between maturational processes and social/environmental factors and the effects on various areas of development. (ILO2, ILO4,
640	PSY 120	Introduction to Counseling	1. Present active listening skills using body language and empathetic paraphrasing. (ILO1, ILO2,
			2. Demonstrate advanced cognitive behavioral therapy techniques. (ILO1, ILO2, ILO3)
			3. Research a counseling theory and present material in class. (ILO1, ILO2, ILO3, ILO4, ILO5)
641	PSY 130	Group Leadership & Process	1. Identify group need. (ILO2, ILO3)
			2. Select and advertise a type of group. (ILO1, ILO2, ILO3)
			3. Prepare confidentiality forms. (ILO1, ILO2, ILO3)
			4. Prepare ground rules for group participation. (ILO1, ILO2, ILO3, ILO5)
642	PSY 142	Psychology of Adjustment	1. Identify emotions tied to circumstances and describe healthy coping mechanisms. (ILO1, ILO2, ILO3)
			2. Summarize experience of keeping a journal. (ILO1, ILO2, ILO3)
			3. Create a "SELF" poster and present to class. (ILO1, ILO2, ILO3)
643	PSY 144	The Psychology of Interpersonal Relationships	1. Identify positive affirmations (ILO1, ILO2, ILO3, ILO5)
			2. Create positive affirmations (ILO1, ILO2, ILO3, IL05)
			3. Practice positive affirmations (ILO1, ILO3)
644	PSY 146	Psychology of Human Sexuality	1. Identify the critical elements that determine sexual intelligence (ILO1, ILO2, ILO3)
			2. Identify and demonstrate understanding of the major sexual structures for both male and female anatomy. (ILO1, ILO2, ILO3)
			3. Identify and demonstrate understanding of the most current forms of birth control and sexually transmitted infections. (ILO1, ILO2, ILO3, ILO4, ILO5)
645	PSY 200	Biological Psychology	1. Describe the action potential and how communication takes place between neurons. (ILO1, ILO2, ILO3)
			2. Critique current research in biopsychology (ILO1; ILO2; ILO3; ILO4; ILO5)
			3. Demonstrate an understanding of psychological theory regarding the relationship between physiology; cognition and emotion. (ILO1, ILO2, ILO3)
			4. Identify the biological causes of neurological and mental disorders. (ILO1, ILO2, ILO3, ILO4)
646	PSY 202	Learning	1. Identify and demonstrate understanding of the three major learnining theories and research methodology in Behaviorism. (ILO1, ILO2, ILO3, ILO5)
			2. Apply the learning theories in a behavioral modification setting. (ILO1, ILO2, ILO3)
			3. Write an APA style literature review. (ILO1, ILO2, ILO3, ILO4)

647	PSY 204	Developmental Psychology: Conception to Death	1. Identify and demonstrate understanding of the physical milestones from conception to death. (ILO1, ILO2, ILO3, ILO5)
			2. Identify and demonstrate understanding of the cognitive development patterns from conception to death. (ILO1, ILO2, ILO3, ILO5)
			3. Identify and demonstrate understanding of Erikson's stages of psychosocial development. (ILO1, ILO2, ILO3, ILO5)
648	PSY 206	Social Psychology	1. From the social psychology theories discussed in class, identify three theories and compose a biography of how each of the three theories has affected the choices you made in life and how they apply to who you are today. ISO1; IS2; ISO3
			2. Identify and demonstrate understanding of the major social psychological perspectives. (ILO1, ILO2, ILO3)
			3. Analyze and apply current and historical research in social psychology as it relates to social behavior. ILO1, ILO2, ILO3)
			4. Apply social psychological theory to human behavior at both an individual and societal level. (ILO1, ILO2, ILO3)
649	PSY 208	Abnormal Psychology	1. Compare and contrast the psychological perspectives on mental disorders. (ILO1, ILO2, ILO3,
			2. Demonstrate an understanding of the major mental disorders' symptoms and causes. (ILO1, ILO2, ILO3, ILO5)
			3. Demonstrate an understanding of the varied treatments for major mental disorders. (ILO1, ILO2, ILO3, ILO4)
650	PSY 210	Crisis Intervention and Referral Techniques	1. Develop and provide brief crisis counseling. (ILO1, ILO2, ILO3, ILO5)
			2. Make appropriate referrals. (ILO1, ILO2, ILO3, ILO5)
			3. Perform a five-point suicide assessment. (ILO1, ILO2, ILO3)
651	PSY 212	Research Methods in Psychology	1. Identify and evaluate the various types of research methods used in psychology. (ILO2, ILO3,
			2. Write a research proposal and literature review in correct APA format. (ILO1, ILO2, ILO3)
			3. Perform a literature search using electronic databases that provide psychological journal articles. (ILO4, ILO2, ILO3, ILO5)
652	PSY 220	Practicum	1. Develop field placement activity. (ILO1, ILO2, ILO3)
			2. Participate in field placement activity. (ILO1, ILO3)
			3. Understand responsibilities of fieldwork. (ILO1, ILO2, ILO3)
653	PSY 221	Practicum	1. Develop field placement activity. (ILO1, ILO2, ILO3)
			2. Participate in field placement activity. (ILO1, ILO3)
			3. Understand responsibilities of fieldwork. (ILO1, ILO2, ILO3)
654	RELS 100	Religions of the Modern World	1. Identify the origin, characteristic beliefs, practices and terminology unique to the world?s five major religions and indigenous sacred ways. (ILO2, ILO4, ILO5)
			2. Identify and discuss the nature of religious revelation and interpretation of sacred texts. (ILO2, ILO4)
			3. Recognize the relationship between religion and culture and the relevance of religious belief and experience to modern life and the human condition.(ILO2, ILO5)
655	RELS 104	Ethics	1. Describe the arguments that pertain to foremost ethical theories. (ILO1, ILO2, ILO4)
			2. Critique various ethical arguments. (ILO1, ILO2, ILO4)
			3. Apply ethical theories to actual social issues. (ILO1, ILO2, ILO4)
656	SOC 101	Introductory Sociology	1. Apply the rules of the scientific method and empirical analysis in understanding social behavior. (ILO2, ILO3, ILO4)
			2. Identify the components of culture and their impact on human behavior. (ILO2, ILO5)
			3. Analyze the socialization process and identify the different types of socialization through the life cycle. (ILO2, ILO4, ILO5)
657	SOC 102	Contemporary Social Problems	1. Analyze the interconnectedness of social problems in society. (ILO2, ILO5)
			2. Identify the various social problems and their causes. (ILO2, ILO5)
			3. Identify potential solutions to a social problem. (ILO2, ILO5)
658	SOC 110	Marriage and the Family	1. Complete research and create a Genogram (Family Tree) in writing which will also be an oral class presentation. Dicuss and present in writing issues related to marriage and family issues by interviewing a marriage counselor
659	SOC 150	Sociology of Minority Groups	1. Discuss & Critique various cultural differences and the concepts of social norms from a relativistic standpoint. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Compare & contrast various cultural values and apply an ethnomethodological bias in order to gain a well informed cultural competency. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Identify and demonstrate an understanding of the major sociological perspectives in regards to minority groups. (ILO1, ILO2, ILO3, ILO5)
660	SOC 206	Social Psychology	1. Identify and demonstrate understanding of the major social psychological perspectives. (ILO1, ILO2, ILO3)

			2. Analyze and apply current and historical research in social psychology as it relates to social behavior. (ILO1, ILO2, ILO3)
			3. Apply social psychological theory to human behavior at both an individual and societal level. (ILO1, ILO2, ILO3)
661	SOC 224	Criminology	1. Identify criminal behavior. (ILO1, ILO2, ILO4, ILO5)
			2. Describe the various types of methods used to measure criminal activity. (ILO1, ILO2, ILO4, ILO5)
			3. Identify common theories regarding criminal behavior and pathology. (ILO1, ILO2, ILO3, ILO4, ILO5)
662	SPAN 100	Elementary Spanish I	1. Research historical or cultural information about a Spanish-speaking country and prepare an oral and/or written presentation. (ILO1, ILO3, ILO4)
			2. Organize information about a historical or cultural aspect of a Spanish-Speaking country for a written or oral assignment. (ILO1, ILO3, ILO5)
			3. Successfully communicate at the novice/elementary level a personal event in the present tense. (ILO1, ILO2)
			4. Describe basic daily life situations using correct grammatical structures, vocabulary and idiomatic expressions. (ILO1)
			5. Assess the content and meaning of written Spanish both orally and in writing. (ILO1, ILO4, ILO5)
663	SPAN 110	Elementary Spanish II	1. make affirmative and negative sentences using correct word order and verb forms.(ILO1)
			2. correctly translate commonly used phrases {English-Spanish and Spanish-English}. (ILO1, ILO5)
			3. respond orally in the target language using correct syntax and grammar. (ILO1, ILO2)
			4. demonstrate proper cultural demeanor in oral and written assignments. (ILO1, ILO5)
			5. use common Spanish speech patterns and phonetic analysis to communicate in the target language. (ILO1)
664	SPAN 113	Beginning Conversational Spanish I	1. Organize and communicate at the novice/elementary level a cultural aspect of a Spanish-Speaking country. (ILO1, ILO3, ILO4, ILO5)
			2. Respond appropriately to questions in Spanish at the novice level. (IL01)
665	SPAN 200	Intermediate Spanish I	1. Organize and effectively communicate personal information in Spanish through writing. [ILO1, ILO4, ILO5]
			2. Summarize and interpret cultural readings from the textbook. (ILO1, ILO2, ILO3, ILO5)
			3. Create and respond to questions in Spanish at the Intermediate level. (ILO1)
			4. Apply rules of grammar to create meaningful sentences in the indicative mood. (ILO1, ILO2)
			5. Analyze short literary readings from Spanish-Speaking countries. (ILO1, ILO2, ILO5)
666	SPAN 210	Intermediate Spanish II	1. Demonstrate understanding of written works in Spanish, both orally and in writing, by answering comprehension questions. (ILO1)
			2. Write a brief analytical essay about a cultural text in Spanish. (ILO2, ILO5)
			3. Speak, read and write at an intermediate level about current events. (ILO1)
			4. Research, organize and prepare an oral presentation about a Spanish Speaking country in Spanish at the intermediate level.(ILO1, ILO3, ILO4, ILO5)
			5. Demonstrate cultural awareness by comparing and contrasting general cultural aspects present in different Spanish speaking countries with those of the learner. (ILO2, ILO5)
667	SPAN 220	Bilingual Spanish I	1. Research historical and/or cultural information about Spain or a Latin American country and present it orally. (ILO1, ILO3, ILO5)
			2. Analyze a cultural product (films or texts) from Spain or Latin America. (ILO1, ILO2, ILO4, ILO5)
			3. Differentiate among the indicative and subjunctive moods. (ILO1, ILO2)
			4. Understand and interpret written and spoken language on a variety of cultural topics and in works of literature and journalism in the target language. (ILO1, ILO2, ILO5)
			5. Successfully identify and differentiate between verb tenses in the indicative mood. (ILO1, ILO2)
668	SPAN 221	Bilingual Spanish II	1. Research, organize, communicate and analyze cultural and social aspects of a Spanish-speaking cultural product (film,literary work, documentary) in Spanish through writing. [ILO1,ILO2,ILO4,ILO5]
			2. Research historical and/or cultural information about Spain or a Latin American country and present it orally. (ILO1, ILO3, ILO5)
			3. Understand and interpret written and spoken language on a variety of cultural topics and in works of literature and journalism in the target language. (ILO1, ILO2, ILO5)
			4. Differentiate among the indicative and subjunctive moods. (ILO1, ILO2)
			5. Successfully identify and differentiate between verb tenses in the subjunctive mood. (ILO1, ILO2)
669	SPAN 222	Bilingual Oral Spanish	1. Research, organize, synthesize, and orally communicate a controversial topic in Spanish in a clear and engaging manner. [ILO1, ILO4]
			2. Analyze cultural and Literary texts from Spain and Latin America. (ILO2, ILO5)
			3. learn and apply new vocabulary to different situations. (ILO1)
670	SPAN 223	Spanish Reading and Writing	1. Organize and develop a well-thought argumentative essay in Spanish. [ILO1, ILO2, ILO4]
			2. Research and create an informative essay in Spanish. (ILO1, ILO4)

			3. Analyze literary readings from Spain and or Latin America. (ILO1, ILO2)
			4. Organize and produce a research paper following MLA guidelines. (ILO1, ILO2, ILO4, ILO5)
671	SPAN 225	Introduction to Spanish American Literature	1. Define literary movements from Latin America. (ILO5)
			2. Create original critical written analysis of a Latin American literary text based on original and secondary sources. (ILO1, ILO2, ILO4, ILO5)
			3. Identify the influence of cultural, historical, literary and/or socioeconomic issues on the writings of a Latin American writer. (ILO1, ILO2, ILO4, ILO5)
672	SPAN 262	Introduction to Chicano/A Studies	1. Research, analyze, and identify cultural values and contributions of Mexican Americans to the United States through writing. [ILO1, ILO2, ILO4, ILO5]
			2. Research the contributions of Chicanos in the United States. (ILO4, ILO5)
			3. Analyze a literary and/or cultural text written by a Chicano author. (ILO1, ILO2, ILO5)
673	SPCH 100	Oral Communication	1. Deliver an organized informative speech to class audience members. The speech must adhere to specific time restrictions and requirements, as assigned by the instructor.
			2. Use statistics, quotations, definitions and detailed illustrations as supporting materials. (ILO1,ILO2,ILO3,ILO4,ILO5)
			3. Prepare and present a visual aid that illustrates a specific point. (ILO1,ILO3,ILO4)
674	SPCH 110	Advanced Oral Communication	1. identify 15 logical fallacies. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. give an informative speech using the Three-Part Deductive Pattern of Organization. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. present a persuasive speech using Monroe?s Motivated Sequence Pattern. (ILO1, ILO2, ILO3, ILO4, ILO5)
675	SPCH 120	Interpersonal Communication	1. Demonstrate knowledge of basic principles and concepts of interpersonal communication. ILO1, ILO2, ILO3, ILO4, ILO5.
			2. Develop and/or improve management of own interpersonal conflicts and relationships. ILO1, ILO2, ILO3, ILO4, ILO5
			3. Identify and analyze individual interpersonal communication strengths and weaknesses. ILO1, ILO2, ILO3, ILO4, ILO5
676	SPCH 130	Small Group Communication	1. Conduct a meeting using the principles of Parliamentary Procedure. ILO1, ILO2, ILO3, ILO4, ILO5
			2. Find a problem and work as a group to find a solution to that problem. ILO1, ILO2, ILO3, ILO4,
			3. Identify the negative behaviors in poorly-functioning groups. ILO1, ILO2, ILO3, ILO4, ILO5
677	SPCH 150	Intercultural Communication	1. Evaluate the effectiveness of alternative strategies for communicating in a variety of intercultural interactions. ILO1,ILO2, ILO3, ILO4, ILO5
			2. Facilitate group collaboration sessions. ILO1,ILO2, ILO3, ILO4, ILO5
			3. Identify intercultural communication situations. ILO1,ILO2, ILO3, ILO4, ILO5
			4. Interpret other communication behaviors and shape their own messages to reach work-related goals and objectives. ILO1,ILO2, ILO3, ILO4, ILO5
			5. Demonstrate an intellectual framework (such as cultural patterns and verbal/nonverbal codes) which allows for description and analysis of other cultures and assists in the promotion of understanding between disparate cultures. ILO1,ILO2, ILO3, ILO4, ILO5
678	SPCH 180	Argumentation and Debate	1. Write out a case for an argumentative debate. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Write and submit five properly-worded debate propositions (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Use logos to support their arguments during the debate process. (ILO1, ILO2, ILO3, ILO4, ILO5)
679	SW 220	Introduction to Social Work	1. Define within a global perspective social welfare, social institutions, social services, and social work and identify the different populations that are served by these systems (ILO1, ILO2, ILO5)
			2. Distinguish social welfare from other major social institutions and social work from other helping professions. (ILO1, ILO2, ILO5)
			3. Demonstrate a beginning knowledge of the role of information technology in provision of social services. (ILO4)
			4. Making an informed career decision by means of a voluteer assignment in a human service agency as well as the experience of taking this course. (ILO1, ILO2, ILO3, ILO4, ILO5)
680	THEA 100	Introduction to Theatre	1. identify and describe the major periods of theatre history. (ILO2)
			2. prepare and perform a dramatic monologue. (ILO1, ILO5)
			3. develop a production design for an assigned play script. (ILO1, ILO2, ILO3)
681	THEA 120	Fundamentals of Acting	1. analyze the function of a character/agent within an assigned play script. (ILO2, ILO5)
			2. analyze a play script for diction and character traits. (ILO2, ILO5)
			3. perform an assigned role. (ILO1, ILO3)
682	VN 089	Individual Studies: Vocational Nursing	1. demonstrate new learning or study techniques and appropriate application to certificate/degree courses (ILO 2, ILO 3, ILO 4)
683	VN 110	Introduction to Patient Care I	1. Demonstrate correctly and safely all principles of medication administration including documentation in simulated client care situations. (ILO 1,2,3,4,5)

			2. Demonstrate respect and sensitivity for professional role through appropriate behavior, being prompt for clinical experience, meetings, learning activities, class, and assignment deadlines.(ILO 1,2,3,4,5)
			3. Demonstrate knowledge appropriate to practice setting and level of learning in a paper or clinical assignment for VN 110. (ILO 1,2,3,4,5)
			4. By the conclusion of VN 110 student will successfully identify subjective and objective data as it relates to nursing diagnosis. (ILO 1,2,3,4,5)
			5. Student will successfully demonstrate correct body mechanics to insure safety of self and clients in simulated client care situations.(ILO 1,2,3,4,5)
684	VN 112	Intro to Patient Care II	1. On dosage calculation exam, student will have a score of 92% or better on the first attempt. (ILO1, ILO2, ILO3, ILO4, ILO5)
			2. Utilizing principles of medical asepsis student will demonstrate safe and effective insertion of urinary catheter in a simulated clinical setting. (ILO1, ILO2, ILO3, ILO4, ILO5)
			3. Identify and document long and short erm goals/expected outcomes for sinulated and actual client situations. (ILO1, ILO2, ILO3, ILO4, ILO5)
			4. Utilizing principles of surgical asepsis student will successfully create a sterile field. (ILO1, ILO2, ILO3, ILO4, ILO5)
			5. Perform common methods used to assess respiratory functions in actual or simulated client settings. (ILO1, ILO2, ILO3, ILO4, ILO5)
685	VN 114	Pharmacology I	1. Calculate dosages in apothecary and metric systems and safely administer medications utilizing the 5 Rights in the clinical setting ILO 1, 2, 4
686	VN 116	Patient Care Management and Critical Thinking	1. Effectively communicate with all appropriate parties regarding patient care and interventions for a given scenario (applied in clinical setting) ILO 1, 2, 3, 4
			2. Demonstrate critical thinking and judgment in clinical decision making related to interactions with patients ILO 1,2,4
			3. Identify leadership techniques useful to LVN practice. ILO 1, 2, 3, 4
687	VN 120	The Maternity Cycle	1. Demonstrate a physical assessment on a postpartum patient and record the information appropriately. (ILO1, ILO2, ILO4)
			2. Demonstrate safe medication, (except IV) administration in a clinical setting. (ILO1, ILO2, ILO3, ILO4)
			3. Develop and present a major maternal/child health teaching project.
			4. Applying the nursing process, the student will successfully apply the nursing process in caring for the antenatal, intrapartal, & postpartal patient.
			5. Achieve at least a level one, on the ATI computerized Pharmacology exam.
688	VN 122	Common Health Problems I	1. Satisfactorily perform a respiratory assessment on an adult
			2. Identify the legal and cultural issues involved in caring for patients with common health problems. (ILO 1, 2, 3, 4, 5)
			3. Verbalize teaching plan for patients with problems of the reproductive system. (ILO 1, 2, 3, 4, 5)
			4. Student will successfully demonstrate suctioning techniques required for patients with common respiratory problems in a simulated or actual clinical setting. (ILO 1, 2, 3, 4, 5)
			5. Demonstrate comprehensive knowledge of the maternity cycle by scoring a level one or greater on OB-ATI. (ILO 1, 2, 3, 4, 5)
689	VN 124	Pharmacology II	1. Apply cultural-psychosocial aspects of care to patient teaching, prioritization of interventions involving pharmacological therapy, and in safe administration of medications (ILO 1, 2, 5)
			2. Differentiate among the types of drug actions; side effects, adverse reactions, and therapeutic effects in simulated and/or clinical situations.
			3. Identify actions and purpose of medications affecting the immune system and nursing actions needed when providing care for clients using these medications.
690	VN 130	Common Health Problems II	1. Establish and prioritize the patient's needs utilizing both primary and secondary data related to current and past physical and psychological status.
			2. Plan, implement and evaluate nursing care of adult and or pediatric patients with common problems of hematology, cardiovascular and or musculoskeletal systems.
			3. Demonstrate theoretical knowledge, nursing principles such as asepsis, infection control related to patients requiring isolation
			4. Student will demonstrate personal responsibility by meeting deadlines and completing skill in the workplace and classroom as assigned.
			5. The student will demonstrate the ability to think critically by passing the dosage calculation exam with a score of 92% or better on the first attempt
691	VN 132	Common Health Problems III	1. Use appropriate data collection techniques & instruments, perform a neurological assessment on an adult or pediatric patient and correctly document information. (ILO1, ILO2, ILO3, ILO4)

			2. Provide nursing care that reflects research into patient/clients medical diagnosis, treatment and care. (ILO1, ILO2, ILO3, ILO4)
			3. Pay particular attention to the integumentary system and demonstrate critical thinking and judgement in clinical decision making. (ILO1, ILO2, ILO3, ILO4)
			4. Show NCLEX readiness by passing the ATI Comprehensive Predictor which measures assessment across the lifespan, with a 75 % or better. (ILO1, ILO2, ILO3, ILO4)
			5. Complete an abdominal assessment on a Medical/Surgical patient in the proper sequence using Universal Precautions. (ILO1, ILO2, ILO3, ILO4)
692	VN 240	Intravenous Therapy Techniques	1. Perform a successful venipuncture using proper protocol after identifying the most appropriate site. (ISLO3)
			2. Identify legal implications related to intravenous therapy regulatory requirements and standards. (ISLO4)
693	WE 201	Employment Readiness	1. Identify and accomplish four on-the-job learning objectives for new or expanded learning. (ILO 1, 2, 3, 4)
694	WE 210	General Work Experience	1. Identify and accomplish four on-the-job learning objectives for new or expanded learning. (ILO1, ILO2, ILO3, ILO4)
695	WE 220	Internship	1. Identify and accomplish four on-the-job learning objectives for new or expanded learning. (ILO1, ILO2, ILO3, ILO4)
696	WELD 100	Welding Technology	1. Explain the legal responsibilities of Employers, Supervisors, and Welding Personnel with regard to ?Right to Know ?regulations. (ILO1, ILO3)
			2. Explain the hierarchy of ?Hazard Control? in a welding environment to include; Hazard Identification, Hazard Elimination, Administration Controls, Hazard Engineering Controls, and Applicable Personal Protective Equipment (PPE). (ILO1, ILO2, ILO3)
			3. Perform Oxy-Acetylene welding and cutting procedures safely to include; safe set-up of OFW and OFC equipment. (ILO1, ILO2, ILO3)
			4. Complete a written report based on information collected from a Technical Literature Review of ?Welding Technology and Its Many Uses in Our World Economy.? (ILO1, ILO4, ILO5)
			5. Define the physical and mechanical properties of steel and how these are influenced by Shield Metal Arc Welding (SMAW). (ILO1, ILO2)
697	WELD 101	Gas Tungsten Arc Welding on Plate	1. List at least five (5) different articles of Personal Protective Equipment and explain what welding environment hazard is being addressed by each article of PPE. (ILO1, ILO2)
			2. Demonstrate proper interpretation of a standard Material Safety Data Sheet (MSDS). (ILO 1,
			3. Describe and Demonstrate the proper set-up and use of the major components and equipment used in Gas Tungsten Arc Welding (GTAW). (ILO1, ILO3)
			4. Safely perform acceptable welds on ferrous alloys applying the weld parameters according to the given WPS. (ILO1, ILO2, ILO3)
			5. Separate acceptable and unacceptable weld samples in accordance with predetermined specifications, standards and codes. (ILO1, ILO2)
698	WELD 102	Arc Welding on Plate	1. Discuss and explain the regulations governing welding related hazards such as; Industrial noise, electrical exposure, and radiation exposure. (ILO1, ILO2, ILO3)
			2. Set up and operate equipment and components used in Shielded Metal Arc Welding (SMAW) using a 3/32 Diameter, E-6010 filler in the 1G position. (ILO1, ILO2)
			3. Explain what parameters are influenced by the application of AWS D1.1 Specifications with regard to SMAW in Alaska in the Winter as compared to Brazil. (ILO1, ILO2, ILO5)
			4. Identify and apply the correct type, size, current settings, and technique for a given WPS. (ILO1, ILO2)
			5. Demonstrate applicable critical thinking skills to resolve problems pertaining to lay-out and welding per D1.1 specifications. (ILO1, ILO2, ILO4)
699	WELD 103	Arc Welding on Pipe	1. Explain a set of three existing hazards in the SMAW Pipe Welding environment and identify applicable standards. (ILO1, ILO4)
			2. Describe and demonstrate preparation of welded pipe sample for a ?Bend Test? method of Destructive Testing used to determine accept/reject status for SMAW Pipe weld samples. (ILO1, ILO2)
			3. Safely perform pipe joint preparation by cutting, grinding, and layout per the parameters of the given WPS. (ILO1, ILO2, ILO3)
			4. Safely perform appropriate SMAW welding procedures for a 5G Open Root weld on 6 inch pipe using E-6010 per the parameters of the given WPS. (ILO1, ILO2, ILO3)
			5. Explain three welding details and procedures that are common to pipe welding with regard to AWS, ASME, and API Standards. (ILO1, ILO2, ILO4)
700	WELD 104	Gas Tungsten Arc Welding on Pipe	1. Describe four major hazards related to GTAW on Pipe and potential abatement of these hazards as they pertain to shop safety, industrial safety, and personal safety. (ILO1, ILO2, ILO3)

			2. Explain and safely demonstrate multiple beading and application in GTAW for welding on pipe and tube. (ILO1, ILO2, ILO3)
			3. Select the proper welding filler materials for welding on various alloys as specified on the given WPS. (ILO1, ILO2, ILO3)
			4. Identify, recognize, and safely apply the essential variables associated with pipe and tube welding using the open root technique per the given WPS. (ILO1, ILO2, ILO3)
			5. Reference the appropriate Welding Codes (AWS, API, and/or ASME) to determine the acceptance criteria for the welding of 6 inch schedule 80 carbon steel pipe in the 5 G position and safely complete one join per given WPS. (ILO1, ILO2, ILO3, ILO4)
701	WELD 105	Flux Core Arc Welding Techniques	1. Discuss three (3) welding hazards specifically associated with the FCAW process and list potential abatement action for these hazards. (ILO1, ILO2, ILO3)
			2. List the two most common shielding methods used in FCAW and define the advantages and disadvantages of the various shielding methods. (ILO1, ILO2)
			3. Set up the equipment used in FCAW, set up all parameters associated with welding ¼ inch steel plate, and safely demonstrate the adjustment of essential variables per the given WPS. (ILO1, ILO2, ILO3)
			4. Fabricate various assigned weld joints safely demonstrating and using the forehand and backhand welding techniques per the given WPS. (ILO1, ILO2, ILO3)
			5. Explain the relationship between a Welding Code, a Welding Standard, a Procedure Qualification Record (PQR), and a Welding Procedure Specification (WPS). (ILO1, ILO4)
702	WT 110	Water Treatment Plant Operator I	1. Develop knowledge on the physical, chemical, and biological principles of unit processes and operations commonly used in water treatment. (IL02,IL03,IL04)
			2. Identify the importance of the acquisition of knowledge and skills to required to provide the public with a reliable, and safe water supply.(IL02,IL03,IL04,IL05)
			3. Correctly identify the origins, risks and assesments of contaminants in water. (IL01,IL02,IL03,IL04)
			4. Recognize the risks associated with chemicals and equipment used in water treatment and will be able to demonstrate the ability to use proper techniques and procedures necessary to protect themselves, co-workers and the public.(IL01,IL02,IL03,IL04,IL05)
703	WT 120	Computational Procedures Opr I	1. Correctly calculate water treatment plant math problems including chemical dosages, flow rates, volumes, detention times, horsepower and energy costs. (IL02,IL03,IL04)
			2. Demonstrate basic abilities to identify, troubleshoot and resolve treatment process problems that could compromise the proper water treatment processes as well as involved water related regulations. (IL01,IL02,IL03,IL04,IL0)
			3. Identify mathemathical methods that can be used to improve the performance of the water treatment plant. (IL02, IL03, IL04)
704	WT 130	Wastewater Treatment Operator I	1. Apply scientific methods for the proper wastewater treatment process. (IL02, IL03, IL04)
			2. Describe fundamental concepts in physics,and microbiology involved in the wastewater treatment process. (IL01,IL02, IL04)
			3. Interpret and use analytical data to performed operational adjustments as required in the wastewater treatment. (IL01, IL02, IL03, IL04)
			4. Use legal/ethical principles in wastewater treatment operational adjustments to satisfy involved regulations. (IL01, IL02, IL03, IL04, IL05)
705	WT 140	Water Distribution Systems	1. correctly perform basic operational adjustments and calculations for the operation of a water distribution system. (ILO2, ILO3, ILO4)
			2. state and observe the implied responsibilities related to the operation of the water distribution system. (ILO2, ILO3, ILO4, ILO5)
			3. analyze water samples laboratory data to perform operational adjustments in the water distribution system. (ILO1, ILO2, ILO3, ILO4)
			4. feel more confident about their ability to identify cross connections. (ILO1, ILO2, ILO3, ILO4, ILO5)
706	WT 150	Wastewater Collection Systems	1. Identify and properly operate each component of a wastewater collection system. (ILO2, ILO3, ILO4)
			2. Describe and understand importance of standard operating procedures within a wastewater collection system. (ILO2, ILO3, ILO4)
			3. Describe and correctly restore abnormal conditions in a wastewater collection system. (ILO2, ILO3, ILO4)
			4. Identify equipment used during maintenance of wastewater collection system. (ILO4)
707	WT 210	Water Treatment Plant Operator II	1. Understand and evaluate issues concerning effective treatment of water. (ILO2, ILO3, ILO4)
			2. Assume responsibility for water treatment operational changes and work effectively as an individual and as a member of a group. (ILO1, ILO2, ILO3, ILO4)
			3. Apply ethics and principles to address involved drinking water regulations. (ILO2, ILO3, ILO4,

			4. Analyze, understand, and evaluate diverse ideas, beliefs, and behaviors to develop responsible managerial aptitudes. (ILO2, ILO3)
708	WT 220	Computational Procedures Opr II	1. Apply mathematical principles to address and solve problems related to water and wastewater treatment technologies. (IL02, IL03, IL04)
			2. Enhance treatment systems by interpretation of hydraulic volumes, dimensional analysis, primary and secondary sewage treatment, calculations and chemical dose rates as it relates to water/wastewater technology. (IL02, IL03, IL04)
			3. Understand and evaluate issues concerning the proper use and distribution of the water natural resources. (IL01, IL02, IL03, IL04, IL05)
			4. Effectively attain grades III/IV/V in both water and wastewater State certifications. (IL02, IL04)
709	WT 230	Wastewater Treatment Operator II	1. Gather and interpret data, using microbiology knowledge and other scientific methods, to address and solve both practical and theoretical problems in the wastewater treatment. (ILO2,
			2. Access, interpret, evaluate and apply information using multiple resources, including current information technology for proper wastewater treatment plant operation and maintenance. (ILO1, ILO2, ILO3, ILO4)
			3. Display and follow safety procedures in the practical aspects of operating and maintaining wastewater treatment plants. (ILO1, ILO2, ILO3, ILO4)
			4. Analyze and apply mathematical principles to address and solve wastewater operational issues. (ILO2, ILO3, ILO4)