

Course Requirements & Special Information

ANTHROPOLOGY

ANT 1510 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

ANT 1520 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

ANT 2510 Eligibility: ENG 1530.

ARABIC

ARA 7500 An introduction to the vocabulary and sentence structure of the Arabic language, with emphasis on topics related to daily conversation, reading, and writing. Class participation, practice, exercises, and discussions are the basis for developing language skill in understanding and expressing ideas in Arabic. The exploration of customs, landscapes, and culture of countries where Arabic is spoken is an essential part of the course.

ART

(Purchase of supplies and/or equipment may be required for some courses.)

ART 1520 Prerequisite: ART 1510.

ART 1540 Prerequisite: ART 1530.

ART 1560 Corequisite: ENG 1530.

ART 1600 Prerequisite: ART 1590; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

ART 1670 Corequisite: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

ART 1740 Prerequisite: ART 1730.

ART 1750 Prerequisite: ART 1730.

ART 2600 Prerequisite: ART 1590; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

ART 2621 Prerequisite: Permission of instructor required.

ART 2622 Prerequisite: Permission of instructor required.

ART 2730 Prerequisite: ART 1730.

ART 2740 Prerequisite: ART 1730; Eligibility: ENG 1530.

ART 2750 Prerequisites: At least one studio art course, ART 1730 preferred; Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

ART 7003 Plein Air Painting in Italy Students will be introduced to museums and galleries, visit Tuscan villages, create watercolor paintings and participate in an exhibition of their work.

AMERICAN SIGN LANGUAGE

ASL 1510 Eligibility: ENG 1510 and a score of 70+ on the Accuplacer test.

ASL 1520 Prerequisite: ASL 1510.

AVIATION

AVN 1100 Prerequisite: MAT 0600; Eligibility: ENG 1530.

AVN 1140 Prerequisite: ENG 0430; Corequisite: AVN 1150; Eligibility: MAT 0600 and must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

AVN 1150 Prerequisites: FAA Third Class Medical Certificate, minimum age of 17 prior to the "flight check" at the end of the course, and must meet minimum college level reading score: Accuplacer 80+ or Asset 40+. Corequisite: AVN 1140.

AVN 1200 Eligibility: ENG 1530.

AVN 1240 Prerequisite: AVN 1140 and 1150, or Private Pilot Certificate; Corequisites: AVN 1250 and MAT 1590; Eligibility: ENG 1530; other: current FAA Third Class Medical Certificate.

AVN 1250 Prerequisite: AVN 1140 and 1150, or Private Pilot Certificate; Corequisites: AVN 1240 and MAT 1590; Eligibility: ENG 1530; other: current FAA Third Class Medical Certificate.

AVN 1340 Prerequisite: AVN 1140 and 1150, or Private Pilot Certificate; Corequisite: AVN 1350; Eligibility: ENG 1530; other: current FAA Third Class Medical Certificate.

AVN 1350 Prerequisite: AVN 1140 and 1150, or Private Pilot Certificate; Corequisite: AVN 1340; Eligibility: ENG 1530; other: current FAA Third Class Medical Certificate.

AVN 2100 Prerequisite: AVN 1240 and AVN 1250 or instrument rating; Eligibility: ENG 1530.

AVN 2140 Prerequisite: AVN 1340 and 1350; Corequisite: AVN 2150; Eligibility: ENG 1530; other: current FAA Third Class Medical Certificate.

AVN 2150 Prerequisites: AVN 1340 and 1350; Corequisite: AVN 2140; Eligibility: ENG 1530; other: current FAA Third Class Medical Certificate.

AVN 2250 Prerequisites: commercial pilot certificate with instrument rating and current FAA Third Class Medical Certificate.

AVN 2350 Corequisites: AVN 1340 and AVN 1350; other: current FAA Third Class Medical Certificate.

BIOLOGY

BIO 1500 Corequisite: ENG 1510 or Eligibility: ENG 1530.

BIO 1510 Co-requisite: Eligibility ENG 1510 or ENG 0430 and Accuplacer 70+ or Asset 37+. Students who have not met the minimum college level of reading (Accuplacer 80/Asset 40) must be coregistered for ENG 0140.

BIO 1520 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

BIO 1570 Prerequisite: high school chemistry or Corequisites: CHE 1500 or CHE 1530 and MAT 0600 and ENG 1510 (or Eligibility: ENG 1530).

BIO 1580 Prerequisite: BIO 1570; Eligibility: ENG 1530.

BIO 2510 Prerequisite: high school chemistry, CHE 1500, or CHE 1530; Corequisite: ENG 1510 or Eligibility: ENG 1530. It is strongly recommended that students have an appropriate biology course

BIO 2520 Prerequisite: BIO 1570 or BIO 2510; Eligibility: ENG 1530.

BIO 2570 Prerequisites: BIO 1570 and ENG 1530.

BIO 2660 Prerequisite: BIO 1570; Eligibility: ENG 1530.

BIO 2760 Prerequisite: a high school biology course, BIO 1570, or BIO 2510; Corequisite: ENG 1510 or Eligibility: ENG 1530.

BIO 2800 Prerequisite: BIO 1570; Eligibility: ENG 1530.

BIO 7501 Immunology Students will study the mechanisms leading to normal immunity, allergies, autoimmunity and chronic inflammation. Students learn invaluable career laboratory skills sought by biomanufacturing and science research labs. These skills include using standard operating procedures, good laboratory practices, and keeping a laboratory notebook. Prerequisite: High School AP Biology or BIO 1570 or BIO 2510 or Intro Biotechnology. Eligibility: ENG 1510 reading score 80+.

BIO 7502 Medical Research Seminar SURI Tier I is part of a larger course whereby students will engage in undergraduate research and participate in activities with the larger interdisciplinary scientific community at JCC. Tier I will focus on those skills needed to be a good technician, for example being able to design, perform, and interpret experiments, make reagents, use laboratory equipment, follow safety procedures, keep effective lab notes, etc. Students will also attend a Science Colloquium along with members of the larger

scientific community. During these shared times students will read, present, and assess scientific literature relevant to the research of participating PIs with an emphasis on the techniques used. At the end of the semester, students will participate in a group presentation whereby Tier I students will display proficiency in explaining the techniques used. Prerequisite: 1000 level course relevant to the field (i.e. BIO 1570 or Introduction to Biotechnology); Eligibility: ENG 1510 and reading score of 80+.

BIO 7504 From Science Fiction to Fact The purpose of this course is to discuss important ideas from modern biology and biotechnology that are used in the media and society in general and relate them to scientific fact. Students will be instructed in scientific method and process as well as the modern technology available to tease apart science fiction from science fact. They will also explore biotechnology concepts that relate to real life like forensics, genealogy, and deep ancestry. In the process, they will learn the difference between discovery-based science and hypothesis-driven and no science at all.

BUSINESS

BUS 1320 Corequisite: BUS 1220.

BUS 1430 Eligibility: ENG 1510.

BUS 1500 Corequisite: ENG 0430.

BUS 1510 Prerequisite: Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

BUS 1520 Prerequisite: BUS 1510.

BUS 1610 Eligibility: ENG 1510.

BUS 1650 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

BUS 2010 Prerequisite: sophomore standing.

BUS 2270 Prerequisites BUS 1510-1520.

BUS 2320 Prerequisite: BUS 1320 or equivalent experience.

BUS 2420 Prerequisites: sophomore standing and must be program major.

BUS 2510 Prerequisites: BUS 1510-1520.

BUS 2540 Prerequisite: ENG 1530.

BUS 2550 Prerequisite: ENG 1530.

BUS 2570 Eligibility: ENG 1530 and sophomore standing.

BUS 2580 Eligibility: ENG 1530 and sophomore standing.

BUS 2630 Eligibility: ENG 1530.

CHEMISTRY

CHE 1500 The course is for students with little or no chemistry background and/or who wish to continue in CHE 1550. Eligibility ENG 1510; Corequisites: MAT 0600 or MAT 1500; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CHE 1530 The course is for students with little or no chemistry background who are pursuing a degree in an allied health field or who wish to continue in CHE 1550. Corequisite: MAT 0600 or MAT 1500; Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CHE 1550 Prerequisite: high school chemistry or CHE 1500 or CHE 1530; Corequisites: ENG 1510 (or Eligibility: ENG 1530) and MAT 1590; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CHE 1560 Prerequisite: CHE 1550; Corequisite: ENG 1530 and MAT 1600.

CHE 2540 Prerequisite: CHE 2530.

COMMUNICATION

CMM 1510 Corequisite: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CMM 1610 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CMM 1750 Corequisite: ENG 1530

CMM 2500 Corequisite: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CMM 2530 Prerequisite: ENG 1530.

CMM 2560 Prerequisite: CMM 1510.

CMM 2561 Prerequisite: CMM 1510.

CMM 2562 Prerequisite: CMM 1510.

CMM 2563 Prerequisite: CMM 1510.

CMM 2564 Prerequisite: CMM 1510.

CMM 2565 Prerequisite: CMM 1510.

CMM 2610 Prerequisite: ENG 1530.

CMM 8503 Introduction to Public Relations This course introduces students to the definition of, theory behind, and application of public relations. This course will also introduce the role public relations plays in integrated branding campaigns. The course will include a study of the strategic PR process: research, action and planning, communication and evaluation. Students will gain practical experience in writing news releases, market research, crisis management, and creative design. Corequisite: ENG 1530.

CRIMINAL JUSTICE

CRI 1290 Prerequisite: criminal justice majors or permission of the instructor.

CRI 1320 Eligibility: ENG 1510. Corequisites: CRI 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CRI 1420 Prerequisites: CRI 1510 and permission of instructor; Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CRI 1510 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CRI 1540 Prerequisite: CRI 1510; Eligibility: ENG 1510.

CRI 1630 Prerequisites: CRI 1320 or 1510 and permission of criminal justice faculty.

CRI 1670 Prerequisite: CRI 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CRI 1720 Prerequisites: CRI 1510 and permission of instructor; Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CRI 2330 Prerequisites: CRI 1510 and ENG 1530.

CRI 2370 Prerequisites: CRI 1510 or basic police recruit school, and ENG 1530.

CRI 2520 Prerequisites: CRI 1510 and ENG 1530.

CRI 2550 Prerequisites: CRI 1510 and ENG 1530.

CRI 2560 Prerequisites: CRI 1510, ENG 1530, sophomore with GPA of 2.5 or better, and permission of instructor required.

CRI 2570 Prerequisites: CRI 1510 and ENG 1530.

CRI 7013 Introduction to Forensics This course will familiarize students with the basic principles and use of forensic science in the criminal justice system. Forensic science is the study and application of science to the processes of law and involves the collection, examination, evaluation, and interpretation of evidence.

CRI 7017 Restorative Justice This course is intended to provide critical awareness of the prevailing practice and philosophy of restorative justice, principally in the United States. By examining the needs and obligations of all stakeholders (victims, offenders, communities, justice systems) in dealing with the aftermath of crime, this course

will take a critical look at traditional government responses to crime in the United States and examine how the principles and practice of an approach broadly known as restorative justice may improve that response, as well as examine the challenges of a restorative approach. Prerequisite: CRI 1510.

COMPUTER SCIENCE

CSC 1330 Corequisite: MAT 0500.

CSC 1530 Prerequisite: Some knowledge of HTML required.

CSC 1560 Prerequisite: MAT 0600 or higher; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CSC 1570 Corequisite: MAT 0600.

CSC 1580 Prerequisite: Computer knowledge equivalent to CSC 1510.

CSC 1590 Prerequisite: CSC 1570; Corequisite: MAT 1590; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

CSC 1720 Corequisite: MAT 1710.

CSC 1760 Prerequisite: CSC 1560.

CSC 2010 Prerequisite: At least a 2.0 GPA and either sophomore standing or one semester completion in an appropriate certificate program.

CSC 2410 Prerequisite: CSC 1530 and CSC 1590 or programming experience.

CSC 2450 Prerequisite: Student must be within one semester of graduation in the A.A.S. Information Technology or Computer Information System degree program or have permission of the instructor.

CSC 2510 Prerequisite: CSC 1570 or equivalent programming experience; Corequisite: CSC 1580.

CSC 2660 Prerequisite: CSC 1590 or CSC 1760.

CSC 2670 Prerequisite: CSC 1590 or equivalent programming experience.

CSC 2680 Prerequisite: CSC 2650 or Corequisite: MAT 2680.

DANCE

DAN 7541 Zumba Zumba is a Latin-inspired, dance-fitness class that incorporates Latin and International music and dance movements, which create a dynamic, exciting, and effective fitness system! This class format combines fast and slow rhythms that tone and sculpt the body in an aerobic/fitness fashion to achieve a unique blended balance of cardio and muscle-toning benefits. Zumba integrates some of the basic principles of aerobic, interval, and resistance training to maximize caloric output, cardiovascular benefits, and total body toning. The cardio-based dance movements are easy-to-follow steps that include body sculpting, which targets areas such as gluteals, legs, arms, core, abdominals and the most important muscle in the body, the heart.

DIGITAL COMPUTER TECHNOLOGY

DCT 1290 Prerequisite: MAT 0600.

DCT 2330 Prerequisite: DCT 1330.

ECONOMICS

ECO 1530 This course is not a substitute for ECO 2610-2620.

Corequisite: ENG 0430; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

ECO 2610 Prerequisites: sophomore standing and ENG 1530; Eligibility: MAT 1590.

ECO 2620 Prerequisites: sophomore standing and ENG 1530; Eligibility: MAT 1590.

EDUCATION

EDU 1250 Eligibility: ENG 0430; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

EDU 1260 Eligibility: ENG 0430; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

EDU 1290 Corequisite: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

EDU 1300 Prerequisite: EDU/HUS 1250. Corequisite: ENG 1510 or Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

EDU 1510 Corequisite: ENG 1530.

EDU 2150 Prerequisite: ENG 1530.

EDU 2210 Prerequisites: EDU 1510 with a C or better, a minimum of 3 credits of education electives with a C or better, and permission of the education faculty. Application required; must be a program major. PLEASE NOTE: For those students enrolled in the Early Childhood Certificate Program, EDU 1510 may be replaced with EDU/HUS 1290 to satisfy the prerequisite.

EDU 2340 Corequisites: ENG 1530 and PSY 1510 or HUS 1210; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

EDU 2440 Prerequisite: ENG 1530.

EDU 2450 Prerequisites: PSY 1510 or PSY 1520 and ENG 1530.

EDU 2460 Prerequisites: PSY 1510 or PSY 1520 and ENG 1530; students must be concurrently enrolled in HUS 2450.

EDU 8501 Philosophy & Techniques of Early Childhood Education This course examines the basic concepts of a child's psychosocial and intellectual development in relation to methods and techniques appropriate to early care and education programs. Developmentally appropriate practices will be emphasized as they apply to the skills used with young children (birth - age 8), individually or in groups. Participation in observations and practice will be required. Students will also spend 20 hours of direct observations at an early childhood facility. Prerequisites: ENG 1530 and PSY 2520 or HUS/EDU 1250 and HUS/EDU 1260.

ENGLISH

ENG 0190 Prerequisite: admission by placement score.

ENG 0410 Prerequisite: admission by placement score.

ENG 0430 Prerequisite: admission by placement score.

ENG 1510 Prerequisite: admission by successful completion of ENG 0430 or placement score: Accuplacer Writeplacer tested prior to March 2009 7-9, tested during and after March 2009 4-6; Accuplacer reading 70+. Students who have not met the minimum College Level Reading score (Accuplacer 80+) must be co-registered for ENG 0410.

ENG 1530 Prerequisite: admission by successful completion of ENG 1510 or placement score: Accuplacer Writeplacer tested prior to March 2009 10-12, tested during and after March 2009 7 or 8. Students must meet the minimum College Level Reading score (Accuplacer 80+).

ENG 1540 Prerequisite: ENG 1530.

ENG 2540 Prerequisites: ENG 1530-1540.

ENG 2560 Prerequisites: ENG 1530-1540.

ENG 2620 Prerequisites: ENG 1530-1540.

ENG 2650 Prerequisites: ENG 1530-1540.

ENG 2740 Prerequisites: ENG 1530-1540.

ENG 2840 Prerequisites: ENG 1530-1540.

ENG 2890 Prerequisites: ENG 1530-1540.

ENGINEERING

ENR 2560 Prerequisite: ENR 2550; Corequisite: MAT 2680.

ENR 2580 Prerequisites: MAT 2650 and ENR 2550.

FRENCH

FRE 1510 Eligibility: ENG 1510.

FRE 1520 Prerequisite: FRE 1510 or two years high school French; Eligibility: ENG 1510.

GEOGRAPHY

GEO 1520 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

GEOLOGY

GLG 1510 Corequisite: MAT 0600; Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

GLG 1550 Eligibility: ENG 1510 and MAT 0500.

HISTORY

HIS 1510 Eligibility: ENG 1530. It is not necessary to take HIS 1510 before HIS 1520. HIS courses are reading and writing intensive.

HIS 1520 Eligibility: ENG 1530. It is not necessary to take HIS 1510 before HIS 1520. HIS courses are reading and writing intensive.

HIS 1530 Eligibility: ENG 1530. It is not necessary to take HIS 1530 before HIS 1540. HIS courses are reading and writing intensive.

HIS 1540 Eligibility: ENG 1530. It is not necessary to take HIS 1530 before HIS 1540. HIS courses are reading and writing intensive.

HIS 2100 Prerequisite: ENG 1530.

HIS 2590 Eligibility: ENG 1530.

HUMAN DEVELOPMENT

HUM 1510 Eligibility: ENG 1510.

HUM 1550 Eligibility: ENG 1510.

HUM 1650 Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

HUM 7001 Introduction to Student Development This course addresses issues that are the cornerstone to college readiness. Using Arthur Chickering's theory of student development as a framework, students will examine the first three vectors of student success, identify ways to use this information to enhance college readiness, and create goals for continuing growth and development in these three areas. Using the On Course language of responsibility, students will learn the importance of accepting responsibility for their college readiness, the difference between Victim and Creator thinking, and develop self-management techniques to help them achieve their goals. Eligibility: A+

HUMAN SERVICES

HUS majors may choose approved selected EDU, PSY, and SOC courses as required HUS electives. Refer to the college catalog or see your advisor for specific information.

HUS 1210 Corequisite: ENG 1510 or Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

HUS 1280 Corequisite: ENG 1510 or Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

HUS 1310 Prerequisite: PSY 1510 or HUS 1210 or previous experience in the human services profession; Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

HUS 2210 Prerequisites: HUS 1210 with a C or better, a minimum of 3 credits of human services electives with a C or better, and permis-

sion of the human services faculty; Corequisite: ENG 1530. Application required; must be a program major. Social science majors transferring to a four-year social work or human services program may also apply.

HUS 2220 Prerequisites: HUS 2210 with a C or better and permission of the human services faculty. Application required; must be a program major.

HUS 2230 Prerequisite: PSY 1510, PSY 1520, or HUS 1210; Corequisite: ENG 1510 or Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

HUS 2250 Prerequisites: ENG 1530, HUS 1210, and sophomore standing. Should be taken with or following an internship.

HUS 2340 Corequisite: ENG 1530 and PSY 1510 or HUS 1210; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

HUS 2350 Prerequisite: PSY 1510 or PSY 1520; Corequisite: ENG 1510 or Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

HUS 2380 Corequisite: ENG 1510 or Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

HUS 2430 Prerequisite: HUS 1310 or extensive employment in a chemical dependency agency. Prior interviewing course suggested. B.S. and M.S. level individuals are permitted to enroll if they have prior counseling education. HUS 1280 and HUS 2230 recommended.

INTERNATIONAL EDUCATION

INE 2730 Prerequisite: 26 college credits with a 2.5 GPA or better.

INTERDISCIPLINARY STUDIES

INT 1500 Eligibility: ENG 0410 and ENG 0430.

INT 2530 Prerequisite: ENG 1530.

INT 2800 Prerequisite: science major with sophomore standing and permission of instructor; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

INT 7010 Topical Studies: Latinos in the U.S. This class is a thematic offering on a topic of the APLUS program's choice. The topics should be of interest to the developmental studies student and pair with their reading, composition and other classes. Topics may vary but could include issues like current events, American culture, and sports and mass media. When possible it will tie in with other JCC events and aid in an overall enriching experience intended to improve student ability to discuss, interpret, and explain a variety of issues.

INT 7527 Portfolio Development Eligibility: ENG 1510

INT 8002 Disney Institute Experience Prerequisite: 24 college credits, 2.5 GPA or better, and complete satisfactory interview process. Students can register either full- or part-time and should contact Ron Turak at 716.338.1007 or RonTurak@mail.sunyjc.edu no later than December 1, 2009 for course requirements and additional information. Students who apply early have a better selection of internship roles and a higher likelihood of being accepted.

MATHEMATICS

MAT 0500 Prerequisite: MAT 0300 or MAT 0400 or placement exam.

MAT 0600 Prerequisite: MAT 0500 or one year of high school algebra and placement exam.

MAT 1230 Prerequisite: MAT 0600 or one year of high school algebra.

MAT 1500 Prerequisite: MAT 0500 or one year of high school algebra and placement exam; Must meet minimum college level read-

ing score: Accuplacer 80+ or Asset 40+.

MAT 1540 Prerequisite: MAT 0600 or MAT 1500 or two years of high school algebra/geometry and placement exam; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

MAT 1590 Prerequisite: MAT 0600 or two years of high school algebra/geometry and placement exam.

MAT 1600 Prerequisite: MAT 1590 or three years of high school algebra/geometry and placement exam.

MAT 1670 Prerequisite: MAT 1600 or high school precalculus or equivalent.

MAT 1710 Prerequisite: MAT 1600 or high school precalculus or equivalent

MAT 1720 Prerequisite: MAT 1710.

MAT 2670 Prerequisite: MAT 1720.

MAT 2680 Prerequisite: MAT 1720.

MACHINE TOOL TECHNOLOGY

MCT 1250 Prerequisite: PHY 1250; corequisite: MAT 1250.

MCT 1280 Prerequisite: MCT 1270; Corequisite: MAT 1220.

MCT 1300 Prerequisites: MCT 1240 and 1270 and MAT 1220.

MCT 1340 Prerequisite: MCT 1240.

MCT 1380 Prerequisite: MCT 1240 or equivalent experience.

MCT 2010 Prerequisites: At least a 2.0 GPA and either sophomore standing or one semester completion in an appropriate certificate program.

MCT 2270 Prerequisite: PHY 1260.

MCT 2410 Prerequisites: MCT 1380, 2280 and 2300.

MCT 2420 Prerequisites: MCT 1280, MCT 1380, and sophomore technology standing.

MEDICAL OFFICE TECHNOLOGY

MOT 1410 Eligibility: ENG 1510.

MOT 1420 Eligibility: ENG 1510.

MOT 2430 Prerequisites: MOT 1410 and MOT 1420.

MOT 2450 Prerequisites: MOT 1410 and MOT 1420.

MUSIC

MUS 1510 Eligibility: ENG 0430; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

MUS 1580 Prerequisite: MUS 1570.

MUS 1590 Prerequisite: ENG 0430.

MUS 1610/1620/2610/2620/2630/2640 The consecutive numbers indicate the number of semesters a student is in attendance in the course. Required studio fee will be negotiated with the instructor.

MUS 1650 Eligibility: ENG 1510.

MUS 1680 Students are required to have either an electric or acoustic guitar for class. Textbook is required. North County Center students must have a portable music stand of their own. Traveling music stands, guitars, and the textbook *Mel Bay Modern Guitar Method, Expanded Edition, Book I*, are available at most area music stores. Although music stores do not rent guitars, student may rent them from Germaine and Pappalardo Music in Jamestown.

MUS 1710 Eligibility: ENG 0410 and ENG 0430.

MUS 1730 Eligibility: ENG 0410 and ENG 0430.

MUS1750/1760/1830/1840/1870/1880/2750/2760/2830/2840/2870/2880 The consecutive numbers indicate the number of semesters a student is in attendance in the course. Students are invited to participate in performing ensembles for college credit

beyond four semesters. We can provide instruments. No audition required. Additional hours required.

MUS 1940 Prerequisite: MUS 1930.

MUS 2580 Prerequisite: MUS 2570.

MUS 2890 Prerequisite: MUS 1710 or MUS 1730.

MUS 2940 Prerequisite: MUS 2930.

MUS 7001 Songwriting I Through analysis of popular music, students will learn the basic components of contemporary song forms utilizing the harmonic, rhythmic, stylistic, and lyrical elements found therein.

NURSING

NUR 1450 Prerequisite: Successful challenge of or transfer of credits for NUR 1500, NUR 1510, BIO 2510, ENG 1530, and PSY 1510; Eligibility: NUR 1520.

NUR 1520 Prerequisites: NUR 1500 and NUR 1510; Corequisites: BIO 2520, BIO 2760, and PSY 2510.

NUR 2050 Prerequisites: Successful completion of NUR 2510 with a grade of C+ or better and permission of the instructor.

NUR 2060 Prerequisites: Successful completion of NUR 2510 with a grade of C+ or better and permission of the instructor.

NUR 2350 Prerequisite: Successful completion of BIO 2510 and BIO 2520 with a grade of C or better.

NUR 2520 Prerequisites: NUR 2510, NUR 2970, NUR 2550 with a grade of C or better; Corequisites: NUR 2350 and NUR 2560.

NUR 2560 Prerequisite: NUR 2550

NUR 2970 Prerequisite: NUR 1510 or RN or LPN licensure.

OCCUPATIONAL THERAPY ASSISTANT

OTA 1620 Prerequisites: OTA 1510, OTA 1520.

OTA 1630 Prerequisite: OTA 1530.

OTA 1640 Prerequisite: OTA 1510.

OTA 1700 Corequisites: OTA 1620 and OTA 2610

OTA 1720 Corequisites: OTA 1610 and OTA 2620.

OTA 2610 Prerequisites: OTA 1510 and OTA 1520.

OTA 2700 Prerequisite: Successful completion of all OTA courses with a "C" grade or better.

OTA 2720 Prerequisite: OTA 2700.

PHYSICAL EDUCATION

PHE 1500 Corequisite: BIO 2510 recommended; Eligibility: ENG 0430.

PHE 1560 Eligibility: ENG 0430.

PHE 1630 Eligibility: ENG 0430.

PHE 1660 Eligibility: ENG 0430.

PHE 1700 Prerequisite: PHE 1660 or PHE 1680.

PHE 1731 Prerequisite: swim skills test.

PHE 1790 Eligibility: ENG 1530.

PHE 1870 Prerequisite: PSY 1510.

PHE 2010 Prerequisites: At least a 2.0 GPA and either sophomore standing or one semester completion in an appropriate certificate program.

PHE 2050 Prerequisites: PHE 150 and CPR and first aid certification; Corequisite: ENG 1530; Eligibility: C+ or better in PHE 1500.

PHE 7541 Zumba Zumba is a Latin-inspired, dance-fitness class that incorporates Latin and International music and dance movements, which create a dynamic, exciting, and effective fitness system! This class format combines fast and slow rhythms that tone and sculpt the body in an aerobic/fitness fashion to achieve a unique blended balance of cardio and muscle-toning benefits. Zumba integrates some of the basic principles of aerobic, interval,

and resistance training to maximize caloric output, cardiovascular benefits, and total body toning. The cardio-based dance movements are easy-to-follow steps that include body sculpting, which targets areas such as gluteals, legs, arms, core, abdominals and the most important muscle in the body, the heart.

PHE 7542 Core Concepts Core concepts is an easy to follow workout that will increase strength as an alternative to a weight room workout. It will address core strength, muscle endurance, and range of motion and joint stability. Doing a core training workout regularly will help reduce the chance of injury and enhance athletic performance in most sports. Eligibility: ENG 0430.

PHE 7543 Sport Marketing This course will teach students about the popular field of sport marketing, including the marketing of athletes and organizations and the role both play in the process. The course will also emphasize the importance of team marketing compared to individual marketing and other issues, such as the identity of a product and marketing research.

PHILOSOPHY

PHL 1510 Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

PHL 2570 Prerequisites: BIO 1570 and ENG 1530.

PHL 2630 Prerequisite: ENG 1530.

PHL 2650 Prerequisite: ENG 1530.

PHL 2720 Prerequisite: ENG 1530.

PHYSICS

PHY 1260 Prerequisite: PHY 1250

PHY 1510 Prerequisite: MAT 0500; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

PHY 1620 Prerequisites: PHY 1610 and MAT 1600.

PHY 1710 Prerequisite: MAT 1710 and High School physics or PHY 1510 or PHY 1610. Eligibility: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

POLITICAL SCIENCE

POL 1510 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

POL 1520 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

PSYCHOLOGY

PSY 1510 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

PSY 1550 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

PSY 2500 Prerequisite: PSY 1510; Corequisite: ENG 1530.

PSY 2510 Prerequisite: PSY 1510; Corequisite: ENG 1530.

PSY 2520 Prerequisite: PSY 1510; Corequisite: ENG 1530.

PSY 2530 Prerequisite: PSY 1510 or SOC 1510; Corequisite: ENG 1530.

PSY 2540 Prerequisite: PSY 1510 or PSY 1520; Corequisite: ENG 1530.

PSY 2550 Prerequisite: PSY 1510; Corequisite: ENG 1530.

PSY 2560 Prerequisite: PSY 1510; Corequisite: ENG 1530.

RELIGION

REL 1520 Corequisite: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

REL 2580 Prerequisite: Reading score of 80+ Corequisite: ENG 1530.

SOCIOLOGY

SOC 1510 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

SOC 1520 Prerequisite: SOC 1510; Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

SOC 1550 Eligibility: ENG 1510; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

SOC 2510 Corequisite: ENG 1530.

SOC 2540 Prerequisite: SOC 1510; Corequisite: ENG 1530.

SOC 2560 Prerequisite: SOC 1510; Corequisite: ENG 1530; Must meet minimum college level reading score: Accuplacer 80+ or Asset 40+.

SPANISH

SPA 1510 Eligibility: ENG 1510.

SPA 1520 Prerequisite: SPA 1510 or two years high school Spanish; Eligibility: ENG 1510.

SPA 2550 Prerequisite: SPA 2510 or a minimum of three years high school Spanish; Eligibility: ENG 1510.

THEATRE

THE 1520 Corequisite: ENG 1530.

THE 1620 Prerequisite: Permission of instructor required.

THE 1621 Prerequisite: Permission of instructor required.

THE 1622 Prerequisite: Permission of instructor required.

THE 1623 Prerequisite: Permission of instructor required.

THE 7001 Improvisational Skills Corequisite: ENG 1510. Students will learn to use improvisation and guided play writing to communicate ideas. Students will go through a series of exercises to stimulate the imagination, free creative impulses, strengthen spontaneity, and develop concentration.

WELDING

WLD 1360 Corequisite: MAT 0500; Must meet minimum college level reading score: Accuplacer 70+.

WLD 1370 Corequisite: MAT 0500; Must meet minimum college level reading score: Accuplacer 70+.

WLD 2250 Prerequisite: WLD 1350; Corequisite: MAT 1220 or equivalent experience in right angle trigonometry.

WLD 2260 Prerequisite: WLD 1360; Corequisite: MAT 1220 or equivalent experience in right angle trigonometry.

WLD 2270 Prerequisite: WLD 1370; Corequisite: MAT 1220 or equivalent experience in right angle trigonometry.

WLD 2350 Prerequisites: WLD 2260 and PHY 1250; Eligibility: ENG 1510.

WLD 2370 Prerequisite: PHY 1250; Corequisite: ENG 1530.

WLD 2450 Prerequisite: student must be within one semester of graduation or have permission of instructor.