

# Course Requirements & Special Information

## AMERICAN SIGN LANGUAGE

**ASL 1520** Prerequisite: ASL 1510.

## 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 7503 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 vector's 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.