

- LEAD 1115 Servant Leadership** (Pending Council on Gen Ed approval) (3-0-3)
 Through participation in the Servant Leadership course, students will gain knowledge of the styles and skills of leadership. They will be introduced to the concepts of servant leadership and how they compare to the other leadership philosophies. This course helps students to understand ethics in leadership and focus on applying universal values in practical situations.
 Corequisite: None.
 Prerequisite: Completion of all Learning Support English and Reading.
 Offered: Every semester.
- MATH 0097 Introductory Algebra** (4-0-4)
 MATH 0097 is an introductory algebra course designed for students with some mathematical background who need additional algebraic skills. Topics include fractions, decimals, signed numbers, linear equations, systems of equations in two variables, exponents, inequalities, polynomials, factoring, and graphing linear equations. Topics will be supported by appropriate technology. Exit requirement: A grade of "C" or better in the course.
 Placement: A score below 37 on the COMPASS Algebra Test.
 Offered: All semesters.
- MATH 0099 Intermediate Algebra** (4-0-4)
 MATH 0099 is a continuation of MATH 0097. Topics include linear equations and inequalities, factoring, polynomials, exponents, roots and radicals, rational expressions, complex numbers, quadratic equations, and basic elements of geometry. Topics will be supported by appropriate technology. Exit Requirement: A grade of "C" or better in the course and a Compass Algebra Test score of 37 or above.
 Placement: A CPC deficiency and a score of 37 or above on the COMPASS Algebra Test; or successful completion of MATH 0097.
 Offered: All semesters.
- MATH 1001 Quantitative Skills and Reasoning** (3-0-3)
 This course is an alternative in Area A of the Core Curriculum and is not intended to supply sufficient algebraic background for students who intend to take Precalculus, trigonometry, or the calculus sequence for mathematics and science majors. This course places quantitative skills and reasoning in the context of experiences that students will be likely to encounter. It emphasizes processing information in context from a variety of representations, understanding of both the information and the processing, and understanding which conclusions can be reasonably determined. A graphing calculator is required. MATH 1001 is a math course for non-science majors and may be used as a prerequisite to MATH 2205 and/or MATH 1145. Students receiving credit for MATH 1001 cannot receive credit for MATH 1111.
 Prerequisites: MATH 0099 or satisfactory score on math placement test.
 Offered: Every Semester.
- MATH 1111 College Algebra** (3-0-3)
 This course is a functional approach to algebra that incorporates the use of applied technology. Emphasis will be placed on the study of functions and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate applications will be included. A graphing calculator is required. Students receiving credit for MATH 1111 cannot receive credit for MATH 1001.
 Prerequisite: MATH 0099 or satisfactory score on math placement test.
 Offered: All semesters.

- MATH 1112 Trigonometry** (3-0-3)
 This course covers trigonometric functions. The topics include identities, solutions of triangles, complex numbers, conics, and vectors. A graphing calculator is required. Students receiving credit for MATH 1112 cannot receive credit for MATH 1113.
 Prerequisite: MATH 1111 or consent of Division Dean.
 Offered: All semesters.
- MATH 1113 Pre-Calculus** (3-0-3)
 This course is designed to prepare students for calculus, physics, and related technical subjects. Topics include an intensive study of algebraic and transcendental functions accompanied by analytic geometry. A graphing calculator is required. Students receiving credit for MATH 1113 cannot receive credit for MATH 1112.
 Prerequisite: MATH 1111 or one year of high school trigonometry and satisfactory score on math placement test or consent of Division Dean.
 Offered: Fall & Spring.
- MATH 1145 Survey of Calculus** (3-0-3)
 This is a survey of Calculus for students in non-science curricula. The topics include limits, derivatives, integrals, logarithmic and exponential functions. A graphing calculator is required. Students receiving credit for MATH 1145 cannot receive credit for MATH 1151.
 Prerequisite: MATH 1001, MATH 1111, or MATH 1113.
 Offered: Fall, Spring.
- MATH 1151 Calculus I with Geometry** (3-2-4)
 This is the first of a three semester sequence in Calculus. Calculus I covers topics from analytical geometry, limits, derivatives of algebraic, trigonometric and exponential functions, and basic integration. A graphing calculator is required. Students receiving credit for MATH 1151 cannot receive credit for MATH 1145.
 Prerequisite: MATH 1112 or MATH 1113 or consent of Division Dean.
 Offered: Fall, Spring, Summer.
- MATH 2008 Foundations of Numbers and Operations** (3-0-3)
 This course is an Area F introductory mathematics course for early childhood education majors. This course will emphasize the understanding and use of the major concepts of number and operations. As a general theme, strategies of problem solving will be used and discussed in the context of various topics.
 Prerequisites: MATH 1001, MATH 1111, MATH 1112, or MATH 1113.
 Corequisites: None.
 Offered: Fall and Spring semesters. Summer semester if requested by Dean of Business and Social Science Division.
- MATH 2205 Introduction to Statistics** (3-0-3)
 This is an elementary course in descriptive and inferential statistics. Areas covered include frequency distributions, graphing techniques, the normal distribution, descriptive measures, probability, hypothesis testing, correlation, linear regression, and confidence intervals. A graphing calculator is required.
 Prerequisites: MATH 1001, MATH 1111, or MATH 1113 or consent of Division Dean.
 Offered: All semesters.

- MATH 2218 Linear Algebra** (3-0-3)
 Theory and applications of systems of linear equations, vector spaces, and linear transformations are covered. Fundamental concepts include: linear independence, basis and dimension, orthogonality, projections, least squares analysis solutions of inconsistent systems; matrices, eigenvalues, eigenvectors, and applications. A graphing calculator is required.
 Prerequisites: MATH 2252 or MATH 1151 with consent of Division Dean.
 Offered: On demand
- MATH 2252 Calculus II** (3-2-4)
 This is the second of a three semester sequence in Calculus. Calculus II includes a continuation of techniques of integration, applications of integration, plane analytical geometry, parametric equations, Taylor's theorem, sequences and series. A graphing calculator is required.
 Prerequisite: MATH 1151 or consent of Division Dean.
 Offered: Fall and Spring.
- MATH 2253 Calculus III** (3-2-4)
 This is the third of a three semester sequence in Calculus. Calculus III includes vector-valued functions, vector derivatives, curvature, geometry of space, partial differentiation, functions of several variables, vector analysis, multiple integration, and applications of multiple integration. A graphing calculator is required.
 Prerequisite: MATH 2252 or consent of Division Dean.
 Offered: Spring.
- MATH 2456 Mathematics I for Teachers, Part 1** (3-0-3)
 This course is designed for teachers of Mathematics I as outlined in the new Georgia Performance Standards. The mathematics content will prepare teachers to teach the first part of Mathematics I. In depth problem solving and interdisciplinary applications will be covered. In addition, the Mathematics Frameworks material will be thoroughly explored. Students will explore and interpret the characteristics of functions, using graphs, tables, and simple algebraic techniques, understand and use the language of mathematical argument and justification, simplify and operate with radical expressions, polynomials, and rational expressions, solve simple equations, discover, prove, and apply properties of triangles, quadrilaterals, and other polygons.
 This course is non-transferable and limited to in-service educators.
 Prerequisite: Must be in-service educator.
 Corequisite: None.
 Offered: On demand.

MATH 2458 Mathematics I for Teachers, Part 2 (3-0-3)

This course is designed for teachers of Mathematics I as outlined in the new Georgia Performance Standards. The mathematics content will prepare teachers to teach the second part of Mathematics I. In depth problem solving and interdisciplinary applications will be covered. In addition, the Mathematics Frameworks material will be thoroughly explored. Students will discover, prove, and apply properties of triangles, quadrilaterals, and other polygons, determine the number of outcomes related to a given event, use the basic laws of probability, relate samples to a population, explore variability of data by determining the mean absolute deviation (the average of the absolute values of the deviations), explore and interpret the characteristics of functions, using graphs, tables, and simple algebraic techniques, solve simple equations, investigate properties of geometric figures in the coordinate plane.

This course is non-transferable and limited to in-service educators.

Prerequisite: Must be in-service educator.

Corequisite: none.

Offered: On demand.

MATH 2462 Mathematics II for Teachers, Part I (3-0-3)

This course is designed for teachers of mathematics II as outlined in the new Georgia Performance Standards. The mathematics content will prepare teachers to teach the first part of Mathematics II. In depth problem solving and interdisciplinary applications will be covered. In addition, the Mathematics Frameworks material will be thoroughly explored. Students will represent and operate with complex numbers, analyze quadratic functions in the forms $f(x)=ax^2+bx+c$ and $f(x)=a(x-h)^2+k$, solve quadratic equations and inequalities in one variable, identify and use special right triangles, define and apply sine, cosine, and tangent ratios to right triangles, understand the properties of circles, find and compare the measures of spheres.

This course is non-transferable and limited to in-service educators.

Prerequisite: Must be in-service educator.

Corequisite: None.

Offered: On demand.

MATH 2464 Mathematics II for Teachers, Part 2 (3-0-3)

This course is designed for teachers of mathematics II as outlined in the new Georgia Performance Standards. The mathematics content will prepare teachers to teach the first part of Mathematics II. In depth problem solving and interdisciplinary applications will be covered. In addition, the Mathematics Frameworks material will be thoroughly explored. Students will make informal inferences about population means and standard deviations using sample data, investigate step and piecewise functions, including greatest integer and absolute value functions, explore exponential functions, explore inverses of functions, investigate step and piecewise functions, including greatest integer and absolute value functions, determine an algebraic model to quantify the association between two quantitative variables.

This course is non-transferable and limited to in-service educators.

Prerequisite: Must be in-service educator.

Corequisite: None.

Offered: On demand.

- MESA 0099 MESA Orientation** (1-0-1)
 This course assists students in acquiring the knowledge and skills necessary to reach their educational objectives in engineering, mathematics, and science-related fields. Topics include: career decisions and strategies, educational and personal enrichment, study skills and habits, time management, academic preparation, and success in college. Field trips may be required. RESTRICTED to MESA students; exceptions approved by the MESA Director. May serve as an elective for majors in the Science and Math Division.
 Prerequisites: None.
 Corequisites: None.
 Offered: Fall, Spring.
- MLTS 1160W Medical Laboratory Technology I** (3-0-3)
 An in-depth study of the sciences of hematology and body fluids analysis. It deals with the morphology of blood and blood-forming tissues, the principles of blood sample collections, and the composition and function of multiple body fluids. Physiology and pathology are emphasized.
 Prerequisite: Admission to the Medical Laboratory Technology Program or permission of the instructor.
 Corequisite: MLTS 1160L.
 Offered: Fall, online & traditional options.
- MLTS 1160L Medical Laboratory Technology I LAB** (0-3-1)
 The laboratory component of the course is utilized to develop skills and competencies required to perform laboratory analysis of blood and body fluids.
 Corequisite: MLTS 1160W.
 Offered: Fall.
- MLTS 1161W Medical Laboratory Technology II** (3-0-3)
 This course provides an introduction to the principles of immunology and provides the student with a concise and thorough guide to transfusion practices and immunohematology.
 Prerequisite: None.
 Corequisite: MLTS 1161L.
 Offered: Spring, online & traditional options.
- MLTS 1161L Medical Laboratory Technology II LAB** (0-3-1)
 The laboratory component of the course is utilized to develop skills and competencies required to perform blood banking procedures and to maintain procedures for the efficient operation of a blood bank.
 Corequisite: 1161W.
 Offered: Spring.
- MLTS 1300 Introduction to Histology** (2-3-3)
 This course emphasizes the introductory study of basic histology. Structure and identification of tissue systems and organs is emphasized at the cellular level. The laboratory component is structured to enhance the student's knowledge of certain histological preparations of human and veterinary tissue. Identification of images is achieved through virtual microscopy.
 Prerequisite: Admission to the Histology Program.
 Offered: Fall and Spring.

- MLTS 1310W Histology I** (3-0-3)
 This course emphasizes some of the competencies required to perform routine histological procedures. These would include tissue fixation, principles and application of microtomy, embedding techniques, laboratory operations, decalcification, solution preparation and processing.
 Prerequisites: Admission to Histology Program.
 Corequisites: MLTS 1310L.
 Offered: Fall and Spring.
- MLTS 1310L – Histology I Lab** (0-3-1)
 The course is a laboratory component complementary to MLTS 1310W. It is utilized to develop entry level skills required to perform non-staining histological procedures.
 Prerequisite: Admission to Histology Program or permission of program director.
 Corequisite: MLTS 1310W.
 Offered: Fall and Spring.
- MLTS 1320W Histology II** (2-0-2)
 This course emphasizes the fundamentals and clinical significance of routine and special histological staining procedures. The student will differentiate between different classes of special stains performed in a histology laboratory.
 Prerequisites: Admission to the Histology Program.
 Corequisite: MLTS 1320L
 Offered: Fall and Spring.
- MLTS 1320L Histology II** (0-3-1)
 The laboratory component of the course is utilized to develop skills required to perform routine and special stains. Students will identify and provide clinical correlation of routine and special stains.
 Prerequisites: MLTS 1300 or permission of the program director.
 Corequisite: MLTS 1320W.
 Offered: Fall and Spring.
- MLTS 1330 Histology III** (0-3-1)
 Students practice histotechnology procedures in a supervised histology lab setting. The laboratory component of the course is utilized to develop skills and competencies required to perform routine and special histology procedures.
 Prerequisites: Admission to the Histology Program.
 Offered: Fall and Spring.
- MLTS 1340 Histology IV** (0-30-5)
 This course is the practicum designed to enhance and refine techniques taught in the first semester. Students are required to complete at least 300 clinical hours in an approved affiliate histology laboratory. Orientation to department and institutional policies and procedures is required.
 Prerequisites: MLTS 1300W, MLTS 1320W, MLTS 1300, MLTS 1310L, MLTS 1320L, MLTS 1330 or permission of the program director.
 Corequisites: None.
 Offered: Spring and Summer.
- MLTS 1350 Histology V** (2-0-2)
 A study of immunohistochemistry procedures and interpretations.
 Prerequisites: MLTS 1300, MLTS 1310W, MLTS 1320W, MLTS 1310L, MLTS 1320L and MLTS.
 Offered: Spring and Summer.

- MLTS 1360 Histology VI** (1-0-1)
 Seminars in Histology: Various professional topics are presented for discussion including board exam reviews, professionalism, laboratory information systems and management principles.
 Prerequisites: MLTS 1300, MLTS 1310W, MLTS 1320W, MLTS 1310L, MLTS 1320L and MLTS 1330.
 Offered: Spring and Summer.
- MLTS 2010W Medical Laboratory Technology III** (2-0-2)
 This course is a study of parasites, bacteria, viruses, mycobacteria, fungi, and their relationship to human disease states. Discussion is centered on the cultivation, methods of identification, antimicrobial susceptibility testing and serological diagnosis.
 Prerequisite: BIOL 2115K.
 Offered: Summer, traditional & online options.
- MLTS 2010L Medical Laboratory Technology III LAB** (0-6-2)
 The laboratory component of the course develops the skills and competencies required to perform the diagnostic procedures.
 Prerequisite: MLTS 2010W.
 Offered: Summer, traditional & online options.
- MLTS 2020W Medical Laboratory Technology IV** (3-0-3)
 An in-depth study of analytical techniques utilized to measure the biochemical entities of blood and various body fluids. The correlation of test results to human physiology and pathology is emphasized.
 Prerequisite: CHEM 1212K.
 Corequisite: MLTS 2020L
 Offered: Summer, traditional & online options.
- MLTS 2020L Medical Laboratory Technology IV LAB** (0-3-1)
 The laboratory component is used to develop the skills and competencies required to operate and standardize the instruments utilized in the performance of chemical tests. The use of quality control is emphasized.
 Corequisite: MLTS 2020W.
 Offered: Summer.
- MLTS 2630 Medical Laboratory Technology Externship** (0-36-18)
 Students are introduced to the clinical laboratory in an affiliate clinical laboratory setting. The students receive an orientation to each department and an introduction to hospital policies and procedures. Each student rotates through appropriate departments and is allowed to demonstrate and develop their skills and competencies in blood bank, hematology, microbiology, chemistry, phlebotomy, and body fluid analysis under the supervision of the laboratory staff instructor.
 Corequisite: MLTS 2670.
 Prerequisites: MLTS 1160, MLTS 1161, MLTS 2010, MLTS 2020.
 Offered: Fall.
- MLTS 2670 Seminars in Medical Laboratory Science** (1-0-1)
 Seminar presentations on various topics related to medical laboratory science (topic reviews for board exams, professionalism, laboratory information systems, case presentations and/or other).
 Corequisite: MLTS 2630.
 Offered: Fall, traditional & online options.

- MUSC 1080 College Concert Band** (0-0-1)
 This course involves the study, rehearsal, and concert performance of literature for band. This course involves a performance ensemble open to college students and community members. Repertory is consistent with proficiency levels of participants, but is challenging. May be taken each semester. Required of woodwind, brass, and percussion music majors as their performance ensemble during enrollment. Additional rehearsals may be announced by the instructor.
 Prerequisite: Ability to play a band instrument at college level.
 Offered: Fall, Spring.
- MUSC 1090 College Choir** (0-0-1)
 This course involves the study, rehearsal, and concert performance of literature for choir. It's open to all students who enjoy singing. Repertory includes wide range of choral music representing all styles and periods. Extra rehearsals called at the discretion of the director. May be taken each semester.
 Prerequisite: None.
 Offered: Fall, Spring.
- MUSC 1100 Music Appreciation** (3-0-3)
 The course is an introduction to music history and literature. No musical background is required. Students expand knowledge in order to appreciate and understand a wide variety of musical styles. This course examines the evolution of Western art music from the earliest days of civilization to the present. The course is designed to arouse students' interest in music as art and to develop their ability to understand it and respond to it. The course offers opportunities to hear recorded music in class and to experience live music in concerts. MUSC 1100 and FIAR 2250 are related courses; only one can count toward graduation.
 Prerequisites: None.
 Offered: All semesters.
- MUSC 1101 Elementary Music Theory I** (1-2-2)
 This course is a study of rhythm and its notation. Pitch and its notation, scales, keys, modes, and intervals, harmony (triads, chords, root positions, figured bass conventions). Harmonic analysis techniques, cadences, aspects of melodic construction, and voice leading principles.
 Prerequisite: None.
 Offered: Fall.
- MUSC 1102 Elementary Music Theory II** (1-2-2)
 This course is a study of voice leading principles (review), functional tonality, seventh chords, and form.
 Prerequisite: MUSC 1101.
 Offered: Spring.
- MUSC 1110 Applied Music for Non-Music Majors and Majors Wishing to Study a Secondary Area** (0-0-.5)
 A one-half hour private lesson each week and at least 2.5 practice hours per week, leading to basic proficiency and performance of standard repertoire. Students may take MUSC 1110 each semester until they complete the objectives of the course. MUSC 1110 does not satisfy the applied music requirement for a degree in music.
 Prerequisite: None.
 Offered: All semesters.

- MUSC 1111 Applied Music for Non-Music Majors** (0-0-1)
 A one hour private music lesson each week and at least five practice hours per week, leading to basic proficiency and performance of standard repertoire. Students may take MUSC 1111 each semester until they complete the objectives of the course. MUSC 1111 does not satisfy the applied music requirement for a degree in music.
 Prerequisite: None.
 Offered: On demand.
- MUSC 1113 Class Voice** (1-0-1)
 Class singing instruction designed for students who have little or no prior individual vocal instruction. The class introduces the student to beginning vocal technique in such areas as posture, breath management, correct vowel formation, English and Italian diction, rhythm, and pitch. The course also includes instruction in practicing and preparing songs for public performance. Students are expected to sing individually as well as with the group during class time and for the final exam. All music will be performed during class or during the scheduled final exam. No public performance is required. Students may repeat this class for credit until they complete the objectives of the course. Class voice does not satisfy the applied music requirement for a degree in music.
 Prerequisite : None.
 Corequisite : None.
 Offered: On demand.
- MUSC 1152 Instrumental Ensemble** (0-0-1)
 A performing ensemble open to college students and community members. Repertoire includes all types of traditional selections in accordance with proficiency levels of participants, but is challenging.
 Prerequisite: Ability to play a band instrument.
 Offered: Fall and Spring.
- MUSC 1153 Vocal Ensemble** (0-0-1)
 A performance ensemble with limited enrollment determined by audition. Repertoire includes traditional and contemporary selections in accordance with proficiency levels of participants. This performing ensemble dedicated to the study of choral music.
 Prerequisite: Audition, or approval of instructor.
 Corequisite: Enrollment in MUSC 1090.
 Offered: Fall and Spring.
- MUSC 1171 Class Piano** (0-0-1)
 Designed to enable the music major to successfully complete the piano proficiency exam required for graduation. Students should enroll in MUSC 1171 in successive semesters until all items of the exam are complete. Only music majors may enroll.
 Prerequisite: None.
 Offered: All semesters.

- MUSC 1172 Sight-Singing/Ear Training** (1-1-1)
 This course is designed to develop sight-singing skills involving ear-training and rhythmic studies. Course components include sight-singing, melodic and harmonic dictation, and rhythmic exercises. Students are expected to sing with the class and alone as assigned. This course is designed to enable the music major to successfully complete the sight-singing/ear training proficiency exam required for graduation. The student should enroll in MUSC 1172 in successive semesters until all items of the proficiency exam are completed.
 Prerequisite: None.
 Corequisite: None.
 Offered: All semesters.
- MUSC 1182 Seminars in Church Music I** (1-2-2)
 This course is an introduction to church music for students pursuing a Church Music Certificate. Students expand their knowledge of church music related topics for understanding and future application in the church environment. Students study, prepare, and refine various skills required of the position of Church Music Director/Leader. Presentations of church music related topics and areas of interests will be conducted. This course is limited to students in the Church Music Certificate Program.
 Prerequisite: None.
 Offered: Fall.
- MUSC 1183 Seminars in Church Music II** (1-2-2)
 This course advances development and skills in church music for students pursuing a Church Music Certificate. Students expand their knowledge of church music related topics for understanding and future application in the church environment. Students study, prepare, advance, and refine various skills required of the position of church Music Director/Leader. Presentations of church music related topics and areas of interests will be conducted. This course is limited to students in the Church Music Certificate Program.
 Prerequisite: MUSC 1182.
 Offered: Spring.
- MUSC 2201 Advanced Music Theory I** (1-2-2)
 This course is a study of borrowed chords, secondary dominants, secondary seventh chords, and analysis of small forms.
 Prerequisite: MUSC 1102. Offered: Fall.
- MUSC 2202 Advanced Music Theory II** (1-2-2)
 This course is a study of neapolitan and augmented sixth chords and other chromatic chord forms, chords of the ninth, eleventh, and thirteenth, and advanced modulation. Harmonic techniques of the classical period, Sonata form, the Rondo, nineteenth century harmonic developments, twentieth century compositional techniques, and recent musical developments will also be introduced.
 Prerequisite: MUSC 2201.
 Offered: Spring.

- MUSC 2211 Applied Music for Music Majors Only** (0-0-1)
 Designed for music majors. A one-hour private music lesson each week leading to advanced technical proficiency and performance of advanced solo literature. Students learn repertoire necessary for transfer into a music baccalaureate degree program. Students may take the course each semester until they complete the objectives of the course. A minimum of five hours of practice a week is required.
 Corequisite: MUSC 1090 (Voice Majors) or permission of program director; or MUSC 1080 (Instrumental majors) or permission of program director; or MUSC 1080 or 1090 (Guitar and Piano majors) or permission of program director.
 Prerequisite: None.
 Offered: All semesters.
- MUSC 2212 Applied Music for Music Majors Only** (0-0-1)
 Designed for music majors. A one-hour private music lesson each week leading to advanced technical proficiency and performance of advanced solo literature. Students learn repertoire necessary for transfer into a music baccalaureate degree program. Students make take the course each semester until they complete the objectives of the course. A minimum of five hours of practice a week is required.
 Corequisite: MUSC 1090 (Voice Majors) or permission of program director; or MUSC 1080 (Instrumental majors) or permission of program director; or MUSC 1080 or 1090 (Guitar and Piano majors) or permission of program director.
 Prerequisite: MUSC 2211, MUSC 1101, MUSC 1102.
 Offered: All semesters.
- MYTH 1000 Introduction to Mythology** (1-0-1)
 MYTH 1000 is a study of the mythology of a selected culture. Discussions will include allusions to mythological tales and figures found in culture, literature, and the arts, as well as the function of myth in society.
 Prerequisite: None.
 Offered: All semesters.
- NURS 1101 Fundamentals of Nursing** (3-6-5)
 This course provides a fundamental foundation for the professional of nursing. The adult learner will be exposed to patient centered care model, teamwork, evidence-based practice and informatics with an emphasis on quality improvement. Principles of medication calculation and safe administration are emphasized. Development of personal responsibility and ethical behavior related to the performance of basic nursing skills will be acquired through supervised lab performance and selected clinical rotations.
 Prerequisites: Admission to the Nursing program.
 Corequisites: BIOL 2111K and NURS 1105.
 Offered: Every semester.

- NURS 1105 Pharmacology for Nurses** (begins Fall, 2009) (1-0-1)
 Pharmacology for Nurses provides a basic foundation of knowledge necessary for the safe administration of medications in nursing practice. The course encompasses drug classifications, actions, therapeutic dosages, side effects and patient education of selected medications. The importance of safety, interdisciplinary collaboration, informatics, evidence-based practice and accurate calculation of appropriate dosages in various measurement systems are stressed. The course focuses on patient centered nursing care and quality improvement for pharmacology.
 Prerequisites: Admission to Nursing Program.
 Pre-Corequisite: BIOL 2111K with a grade of C or better.
 Offered: Every semester.
- NURS 1111 Adult Health I** (4-9-7)
 The course emphasizes quality and safety in nursing education core competencies, as it relates to the provision of patient centered care to people experiencing respiratory, circulatory, renal, digestive, endocrine, musculoskeletal, and neurological alterations. Teamwork, informatics, quality improvement, and evidenced based practice are essential components in the course. Development of personal responsibility and ethical behavior is acquired through supervised lab performance and clinical experiences with selected patients.
 Prerequisites: BIOL 2111K and NURS 1101 with grades of "C" or better.
 Corequisite: BIOL 2112K.
 Offered: Every semester.
- NURS 1112 Adult Health II** (4-9-7)
 Adult nursing II places emphasis on the adult learner's development of increasing knowledge and personal responsibility and ethical behavior in the care of adult patients. Common health care alterations which are chronic in nature and that may require surgical intervention are emphasized. Course content focuses on evidence based practice, patient centered care, informatics, teamwork, and quality improvement. Supervised clinical experiences provide adult learners with opportunities to refine safe, ethical nursing practice.
 Prerequisite: NURS 1111, NURS 1105, and BIOL 2112K with a grade of "C" or better.
 Corequisite: NURS 2117.
 Offered: Every semester.
- NURS 1301 Fundamentals of Nursing (Health Care Professional Bridge)** (2-3-3)
 This course provides a fundamental foundation for the profession of nursing. The adult learner will be exposed to patient centered care model, teamwork, evidence-based practice and informatics with an emphasis on quality improvement. Principles of medication calculation and safe administration are emphasized. Development of personal responsibility and ethical behavior related to the profession of basic nursing skills will be acquired through supervised lab performance and selected clinical rotations.
 Prerequisites: Admission to Health Care Professional Bridge and BIOL 2111K.
 Corequisite: NURS 2313.
 Offered: Fall B Term annually.

- NURS 1311 Adult Health (Health Care Professional Bridge)** (5-9-8)
 The course emphasizes quality and safety in nursing education core competencies, as it relates to the provision of patient centered care to people experiencing respiratory, circulatory, renal, digestive, endocrine, musculoskeletal, and neurological alterations. Common health care alterations which are chronic in nature and that may require surgical intervention are emphasized. Teamwork, informatics, quality improvement, and evidenced based practice are essential components in the course. Development of personal responsibility and ethical behavior is acquired through supervised lab performance and clinical experiences with selected patients.
 Prerequisites: NURS 1301 and NURS 2313 and BIOL 2112K with grades of "C" or better.
 Corequisite: NURS 1105.
 Offered: Spring.
- NURS 2111 Nursing Care of Women and Children** (6-6-8)
 NURS 2111 explores the roles of the nurse in safely providing quality, patient centered care within an interdisciplinary structure to meet the needs of families who have children. Applies principles of health promotion from the antepartal period through adolescence and examines human growth, development, and responses to health deviation during these periods in the life cycle. Patient centered care and quality improvement are the central focus in the course. Informatics is emphasized when providing safe patient care. Classroom and clinical instruction involves providing nursing care to antepartal, intrapartal, postpartal, and pediatric patients and incorporating evidence based practice and previously learned knowledge and skills.
 Prerequisites: NURS 1112 with grades of "C" or better.
 Corequisite: NURS 2113.
 Offered: Every semester.
- NURS 2113 Psychiatric Nursing** (1-6-3)
 This course focuses on the physiological, emotional, behavioral and sociocultural aspects of mental health and mental illness. The nurse's role as a collaborative member of the behavioral health team is introduced. The course content is centered on evidence based practice and quality improvement. Informatics is a component in the course. The clinical rotations give the adult learner the opportunity to apply this knowledge to provide safe, effective patient centered care in a therapeutic milieu.
 Prerequisites: NURS 1112 with grades of "C" or better.
 Corequisite: NURS 2111.
 Offered: Every semester.
- NURS 2115 Adult Health III** (4-12-8)
 The final course in the Nursing program is designed to emphasize care of patients with complex acute as well as chronic multisystem disorders, and medical-surgical alterations. Supervised clinical experiences in high acuity unit will facilitate continued growth of student's professional practice. Components of the course include: patient centered care, evidence based practice, collaboration, informatics and quality improvement. Supervised leadership roles in the clinical arena are provided for the students to enhance their management skill while directing their colleagues in providing safe patient care that meets entry level standards.
 Prerequisites: Completion of all Nursing and all core courses with a grade of "C" or better.
 Offered: Every semester.

NURS 2117 Nursing Leadership (1-0-1)
Emphasis is placed on the introduction of the fundamental principles of leadership and management responsibilities for the entry level registered nurse. Topics will include but not limited to such practice issues as: safe, patient centered, quality care, effective delegation and supervision, communication, collaborative care, informatics, quality improvement. Nursing research and evidence based practice are also included.
Prerequisites: NURS 1111 with Grade of "C" or better.
Corequisite: NURS 1112 or 2311.
Offered: Every semester.

NURS 2311 Nursing Care of Women and Children (Health Care Professional Bridge) (4-6-6)
NURS 2311 explores the roles of the nurse in safely providing quality, patient centered care within an interdisciplinary structure to meet the needs of families who have children. Applies principles of health promotion from the antepartal period through adolescence and examines human growth, development, and responses to health deviation during these periods in the life cycle. Patient centered care and quality improvement are the central focus in the course. Informatics is emphasized when providing safe patient care. Classroom and clinical instruction involves providing nursing care to antepartal, intrapartal, postpartal, and pediatric patients and incorporating evidence based practice and previously learned knowledge and skills.
Prerequisites: NURS 1311 and NURS 2313 with grades of "C" or better.
Corequisite: NURS 2117.
Offered: Summer semester.

NURS 2313 Psychiatric Nursing (Health Care Professional Bridge) (1-3-2)
This course focuses on the physiological, emotional, behavioral and sociocultural aspects of mental health and mental illness. The nurse's role as a collaborative member of the behavioral health team is introduced. The course content is centered on evidence based practice and quality improvement. Informatics is a component in the course. The clinical rotations give the adult learner the opportunity to apply this knowledge to provide safe, effective patient centered care in a therapeutic milieu.
Prerequisites: Admission to Health Care Professional Bridge and BIOL 2111K.
Corequisite: NURS 1301.
Offered: Fall B Term annually.

***THE FOLLOWING UPPER LEVEL NURSING COURSES ARE PENDING
GEORGIA BOARD OF NURSING APPROVAL.***

NURS 3000 Nursing Informatics (1-0-1)
Nursing Informatics covers an introduction to information systems, ethical aspects, nurses' roles in informatics, HIPAA, professional development, and patient safety informatics tools.
Prerequisites: Admission to RN to BSN Completion program.
Offered: Fall

- NURS 3005 Pathophysiology** (3-0-3)
The course introduces the pathophysiological basis of disease processes and common health problems. The focus of this course is on compromises in the body's ability to meet its physiological needs and the role of the nurse in providing care.
Prerequisites: Admission to RN to BSN Completion program.
Offered: Fall
- NURS 3010 Intro to Professional Nursing** (3-0-3)
This course includes an introduction to professional nursing responsibilities and expectations and explores the role of the professional nurse in providing care. An investigation of major contemporary nursing issues to include the influence of history, nursing theory, legal issues, nursing philosophy, political activism, health care delivery systems, provision of culturally competent care, and current/ future challenges for the nursing profession. The ANA Nursing Scope and Standards of Practice, and the Code of Ethics for Nurses are explored.
Prerequisites: Admission to RN to BSN Completion program.
Offered: Fall.
- NURS 3200 Health Assessment** (2-6-4)
This course builds on the student's knowledge and skills in health assessment. Students further develop skills of history taking, inspection, palpation, percussion, and auscultation and documentation of the health assessment. Normal findings and cultural and age variations of adults are emphasized.
Prerequisites: Admission to RN to BSN Completion program.
Offered: Fall
- NURS 3500 Health and Wellness of Aging** (3-0-3)
Health and Wellness of Aging provides the most current information about best practices in gerontological nursing based on the most current research. The content ranges from biological, such as the etiology of common conditions and geropharmacology, to caring for persons with dementia, to understanding Medicare and aging and nursing in rural settings. This course introduces the standards for competencies required for gerontological nursing education and the promotion of health while aging.
Prerequisites: Admission to RN to BSN Completion program.
Offered: Spring
- NURS 4010 Principles of Nursing Leadership** (3-0-3)
This course focuses principles of leadership and management as a professional registered nurse. There will be exploration of roles, traits, and contributions of nurse leaders in clinical and managerial positions. Aspects of problem solving, effective communication, conflict resolution, decision-making, and team building are explored. The course is designed to assist in leadership self-awareness and encourage students to explore Transformational Leadership qualities. An analysis of trends and issues occurring in today's workforce will assist students in exercising leadership skills.
Prerequisites: Admission to RN to BSN Completion program
Corequisites: NURS 4015
Offered: Summer

- NURS 4015 Leadership Practicum** (0-6-2)
This course focuses principles of leadership and management as a professional registered nurse. There will be exploration of roles, traits, and contributions of nurse leaders in clinical and managerial positions. Aspects of problem solving, effective communication, conflict resolution, decision-making, and team building are explored. The course is designed to assist in leadership self-awareness and encourage students to explore Transformational Leadership qualities. An analysis of trends and issues occurring in today's workforce will assist students in exercising leadership skills.
Prerequisites: Admission to RN to BSN Completion program
Corequisites: NURS 4010
Offered: Summer
- NURS 4400 Community Health Nursing** (3-0-3)
This course provides a foundation in the practice of promoting and preserving the health of populations. The adult learner will apply knowledge and skills from nursing and the public health sciences to focus on health promotion and health maintenance of individuals, families, and groups within the community. Students will identify opportunities to provide health care to clients in a variety of settings based on concepts of client-centered care, teamwork and collaboration, evidence-based practice, quality improvement, safety and informatics.
Prerequisites: NURS 3200
Corequisites: NURS 4415
Offered: Spring
- NURS 4415 Community Health Practicum** (0-6-2)
This is a clinical course taken with Community Health Nursing. This course provides a foundation in the practice of promoting and preserving the health of populations. The student will apply knowledge and skills from nursing and the public health sciences to focus on health promotion and health maintenance of individuals, families and groups within the community. Students will identify opportunities to provide health care to clients in a variety of settings based on concepts of client-centered care, team work and collaboration, evidence-based practice, quality improvement, safety and informatics. Students will participate in 60 hours of precepted practice in the clinical setting. Clinical experiences occur in a variety of public health and community-oriented settings and provide opportunities for population based nursing practice with vulnerable populations.
Prerequisites: NURS 3200
Corequisites: NURS 4400
Offered: Spring
- NURS 4800 Nursing Research** (3-0-3)
Nursing Research explores the research process and its relevance to nursing practice. The primary focus is on the development of the student's ability to be an effective consumer of research with emphasis on the research process and its applicability in their professional role development.
Prerequisites: Admission to RN to BSN Completion program and MATH 2205.
Offered: Spring

- NURS 4900 Ethical Issues in Nursing** (3-0-3)
 This course focuses on ethical issues in health care by offering a thorough understanding in ethical theories, principles, models, and trends as reflected in contemporary nursing practice. Case studies of ethical issues and dilemmas in health care will provide the framework for ethical reasoning and decision-making. Particular emphasis will be given to the resolution of ethical dilemmas through moral and ethical reasoning to help bridge the gap between theory and nursing practice.
 Prerequisites: Admission to RN to BSN Completion program
 Offered: Summer
- OCEX 2290 Occupational Experience** (1-0-1); (2-0-2); (3-0-3)
 Directed work experience with a business firm, government agency, or other organization under the Cooperative Education program in an area of a student's preparation and interest. Cooperative Education may or may not count toward degree requirements. Check your program in the College catalog or seek help from a faculty member in your major department.
 Prerequisite: Completion of 9 semester hours with a 2.00 GPA & approval of instructor. Offered: All semesters.
- OTAS 1100 Introduction to Occupational Therapy** (2-3-3)
 The following concepts will be presented: Functional definitions of occupational therapy; the history of occupational therapy, philosophy, and ethics; the roles of occupational therapy professionals; and differentiation of occupational therapist and occupational therapy assistant responsibilities, the reimbursement for O.T. services and professional credentialing. An overview of the particular patient populations which an occupational therapy assistant might interact with is given. Specific types of treatment settings are explored in detail, with the scope of OTA practice examined, including the research data gathering role. Awareness of local and national occupational therapy organizations is emphasized. Demonstrated professional behaviors are encouraged
 Corequisites: OTAS 1105, ALHE 1115.
 Prerequisite: ALHE 1120 and admission to OTA program.
 Offered: Fall.
- OTAS 1104 Introduction to Disease Conditions** (2-0-2)
 The basic pathology of common disease conditions is examined. The effect of disease on each body system is studied, emphasizing etiology, diagnosis, prognosis, prevention, occupational therapy treatment methods, and precautions. The effects of pathology of disease across life-span occupational performance is presented.
 Corequisites: OTAS 1100, OTAS 1105, ALHE 1115.
 Prerequisite: Admission to OTA program.
 Offered: Fall.
- OTAS 1105 Patient Care Skills for the OTA** (1-3-2)
 Introduction of concepts and procedures of patient care in occupational therapy. Topics include patient positioning and draping, body mechanics, patient transfers, vital signs monitoring, infection control, aseptic techniques, therapeutic exercise, ADA awareness, confidentiality, adjustment and maintenance of assistive equipment, and safety.
 Corequisites: OTAS 1100, ALHE 1115.
 Prerequisite : Admission to OTA program.
 Offered: Fall.

- OTAS 1111 Functional Anatomy and Kinesiology** (2-6-4)
 Analysis of human movement and its impact on function through the integration of biomechanics, kinesiology and applied anatomy. Principles will be reinforced through a problem-solving approach for understanding movement. Goniometric measurements and manual muscle testing of the upper and lower extremities, trunk, and head will be included.
 Corequisites: OTAS 1100, OTAS 1104, OTAS 1105, ALHE 1115.
 Prerequisite: Admission to OTA program.
 Offered: Fall.
- OTAS 1121 Therapeutic Media** (1-3-2)
 Lecture and laboratory course emphasizing basic media and activities in a therapeutic setting. Focus is placed in lecture sessions on activity analysis. Laboratory focus is based on application of analysis to therapeutic intervention situations. Skill attainment in relation to the actual process of different media tasks will be encouraged.
 Corequisites: OTAS 1140, OTAS 1131, OTAS 1145.
 Prerequisites: OTAS 1100, OTAS 1105, ALHE 1115.
 Offered: Spring.
- OTAS 1131 Physical Function in Occupation I** (2-6-4)
 The role of the OTA in the evaluative process, treatment, documentation, and reassessment is presented. Recognition of specific skills related to adaptive procedures and the grading of tasks for maximized patient gains is examined. Treatment techniques and considerations for specific patient populations with physical dysfunction related issues are presented.
 Corequisites: OTAS 1121, OTAS 1140, OTAS 1145.
 Prerequisites: OTAS 1100, OTAS 1104, OTAS 1105, OTAS 1111, ALHE 1115, OTAS 1121.
 Offered: Spring.
- OTAS 1132 Physical Function in Occupation II** (3-3-4)
 A continuation of the OTS 1131 course. Emphasis is placed upon the OTA in the evaluative process, treatment role, and documentation for the patient population related to physical dysfunction. The role of the OTA across the continuum of care is viewed. Systematic examination of the OTA in the treatment process and appropriate problem-solving is encouraged. Level I fieldwork is a component part of this course offering.
 Corequisites: OTAS 2200, OTAS 2260.
 Prerequisites: OTAS 1100, OTAS 1104, OTAS 1105, OTAS 1111, OTAS 1115, OTAS 1121, OTAS 1131, OTAS 1140, OTAS 1145, ALHE 1115.
 Offered: Summer.
- OTAS 1140 Psychosocial Function in Occupation** (2-3-3)
 Etiology, diagnosis, and treatment of psychiatric conditions encountered in the clinical setting by Occupational Therapy Assistants. Occupational therapy treatment techniques for remediation and prevention across the life-span continuum are covered. Recognition of the use of psychotropic medications in psychiatric treatment and corresponding possible side effects are studied. Level I fieldwork observations and field trips will be part of this course.
 Corequisites: OTAS 1121, OTAS 1131, OTAS 1145.
 Prerequisites: OTAS 1100, OTAS 1104, OTAS 1105, OTAS 1111, ALHE 1115, OTAS 1121.
 Offered: Spring.

- OTAS 1145 Developmental Function in Occupation** (2-3-3)
Examination of the process of evaluation, treatment, and documentation for the OTA in settings working with a caseload involving developmental dysfunction. Emphasis is placed on developmental factors across ages and populations. Adaptive coping techniques and skills will be explored, with focus on practical problem-solving. Level I fieldwork placement will be a component part of this course offering.
Corequisites: OTAS 1121, OTAS 1140, OTAS 1131.
Prerequisites: OTAS 1100, OTAS 1105, ALHE 1115, OTAS 1121.
Offered: Spring.
- OTAS 2200 Assistive Techniques and Technologies** (2-3-3)
The use and modification of adaptive devices and equipment is studied. Creative problem-solving regarding specific medical conditions is encouraged through the development of adaptive equipment. Proper patient positioning in the therapeutic and home environment is examined. Further development of static and dynamic splinting skill techniques for diverse patient treatment needs will be learned. The ability to analyze and problem-solve regarding overcoming environmental barriers is fostered. Issues related to increasing safety and functional mobility are explored.
Corequisites: OTAS 1132, OTAS 2260.
Prerequisites: OTAS 1100, OTAS 1104, OTAS 1105, OTAS 1111, OTAS 1121, OTAS 1131, OTAS 1140, OTAS 1145, ALHE 1115.
Offered: Summer.
- OTAS 2260 Treatment Methods for the OTA** (2-6-4)
This course enables the student to apply specialized occupational theory, skills, and concepts learned in the didactic coursework to the clinic. Topics include common diagnoses seen, treatment environments, and treatments for areas of occupation including ADL, IADL, education, work, play, leisure, and social participation. Students will be required to develop applications for enabling function for mental health and physical well-being through occupational therapy assessment/evaluation, intervention, and patient/client education. Techniques and applications used in traditional and non-traditional practice settings will be explored. Students will develop an awareness of activity demands, contexts, adapting, grading, and safe implementation of occupations or activities. Group leadership skills will be integrated into this course. The student will learn patient and caregiver education skills while practicing therapeutic use of self. Course will also create a discussion forum addressing events, skills, knowledge, and/or behaviors related to the practice environment. This will include legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation. Test-taking strategies for certification exams and the process for getting licensed will also be presented. Management issues and responsibilities will be explored as well as legislative processes.
Corequisites: OTAS 1132, OTAS 2200.
Prerequisites: OTAS 1100, OTAS 1104, OTAS 1105, OTAS 1111, OTAS 1121, OTAS 1131, OTAS 1140, OTAS 1145.
Offered: Summer.

OTAS 2400 Fieldwork Experience Level II (0-80-6)

The OTA student, having completed the didactic learning portion of the curriculum, is assigned one 16 week internship. The fieldwork program involves the student in experiences with clients, patients, therapists, and others in the health care community. Participation in Level II fieldwork placements allows application of classroom theory and academic knowledge base. Fieldwork will be available in a variety of settings providing opportunities for experience with diverse patient/client populations. The student fieldwork intern will experience various service delivery models reflective of current practice in the profession. Fieldwork internships are carried out in accordance with contractual agreements with health care facilities. Level II fieldwork internships are an integral part of the educational process and must be successfully completed within 18 months of the end of didactic course work.

Prerequisite: Completion of all didactic course work.

Offered: Fall.

OTAS 2410 Fieldwork Experience Level II A (0-40-3)

Full-time fieldwork experience following the completion of all didactic course work. The fieldwork program involves students in experiences with clients, patients, therapists, and others in the health care community. Participation in Level II fieldwork placements allows application of classroom theory and academic knowledge base. The fieldwork will be available in various settings providing opportunities for experience with diverse patient/client populations. The student fieldwork intern will experience various service delivery models reflective of current practice in the profession. Fieldwork internships are carried out in accordance with contractual agreements with health care facilities. Level II fieldwork internships are an integral part of the educational process and must be successfully completed within 18 months of the end of the didactic course work.

Prerequisite: Completion of all didactic course work.

Offered: Fall.

OTAS 2420 Fieldwork Experience Level II B (0-40-3)

Full-time fieldwork experience following the completion of all didactic course work. The fieldwork program involves students in experiences with clients, patients, therapists, and others in the health care community. Participation in Level II fieldwork placements allows application of classroom theory and academic knowledge base. The fieldwork will be available in various settings providing opportunities for experience with diverse patient/client populations. The student fieldwork intern will experience various service delivery models reflective of current practice in the profession. Fieldwork internships are carried out in accordance with contractual agreements with health care facilities. Level II fieldwork internships are an integral part of the educational process and must be successfully completed within 18 months of the end of the didactic course work.

Prerequisite: Completion of all didactic course work.

Offered: Fall.