Program Overview

This associate degree program prepares the student to become a Certified Occupational Therapy Assistant (COTA), or for employment in related jobs. In the traditional setting, the COTA provides services under the supervision of an occupational therapist using goal-directed activities to prevent, lessen, or overcome difficulty in attaining, maintaining, or developing occupations: daily living skills, play, leisure, and/or work skills. Services are provided in various environments including hospitals, geriatric centers, schools, homes, and communities.

Admission Requirements

Students in this program must:
- Complete application form and submit with fee (fee waiver may apply if previously submitted)
- Complete Accuplacer entrance assessment to determine placement (waiver may apply with acceptable alternative test scores and/or postsecondary degree completion)
- Have earned a high school diploma or GED certificate; current high school seniors must provide documentation upon graduation
- Review and sign Caregiver Background Check and/or Criminal History Record Check Statement of Understanding
- Complete one year of high school or one term of college-level chemistry with a 2.0 or better
- Review and sign the Functional Ability Statement of Understanding
- Complete admissions interview with a WITC counselor (above requirements should be completed prior to interview)

Program-Specific Requirements

Students in this program must:
- Submit Background Check fee
- Have an acceptable Wisconsin Caregiver Background Check, National Criminal Background Check, Minnesota Caregiver Background Check (if applicable), and other states, if applicable
- Pass a physical exam, have current immunizations, and demonstrate negative status for tuberculosis (Tb)
- Possess current certification of “CPR for Healthcare Providers” or equivalent
- Review and sign Allied Health Division Confidentiality Statement
- Attend a mandatory program orientation session

Student Profile

Occupational Therapy Assistant students should:
- Be flexible and empathetic
- Be able to handle emotional situations
- Be able to adjust to diverse personalities and backgrounds
- Be able to work under stress
- Be able to communicate effectively
- Have good reasoning and organizational skills

Preparation for Admission

Students should strive to reach a comfort level in the following courses or skills:
- Biology
- Anatomy
- Communications
- Psychology
- Basic computer skills

Program Outcomes

Employers will expect graduates of the program to be able to:
- Practice within the distinct role and responsibility of the occupational therapy assistant
- Serve a diverse population in a variety of systems that are consistent with entry-level practice
- Value lifelong learning and the need to keep current with best practice
- Apply occupational therapy principles and intervention tools to achieve expected outcomes
- Demonstrate professional behaviors, ethical standards, values, and attitudes of the occupational therapy profession
- Advocate for the profession, services, and consumers

Collegewide outcomes and indicators will also be addressed to develop personal awareness, career effectiveness, and professionalism. See page 5 of the college catalog for a list of collegewide outcomes and indicators.

Career Outlook

Graduates of this program will be qualified for the following positions:
- Occupational Therapy Assistant
- Certified Occupational Therapy Assistant (COTA)
- Activities Director/Coordinator
- Case Manager
- Community Support Worker
- Life Skills Trainer
- Mental Health Technician

The Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449, Web site www.acotonline.org, phone 301-652-2682. Graduates of the program will be able to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination.

A felony conviction may affect a graduate’s ability to sit for the NBCOT certification examination or attain state licensure.

Curriculum

<table>
<thead>
<tr>
<th>Number</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>10514171</td>
<td>Introduction to Occupational Therapy</td>
<td>3</td>
</tr>
<tr>
<td>10514172</td>
<td>Medical and Psychosocial Conditions</td>
<td>3</td>
</tr>
<tr>
<td>10514173</td>
<td>Activity Analysis and Applications</td>
<td>2</td>
</tr>
<tr>
<td>10514174</td>
<td>OT Performance Skills</td>
<td>4</td>
</tr>
<tr>
<td>10514175</td>
<td>Psychosocial Practice</td>
<td>3</td>
</tr>
<tr>
<td>10514176</td>
<td>OT Theory and Practice</td>
<td>3</td>
</tr>
<tr>
<td>10514177</td>
<td>Assistive Technology and Adaptations</td>
<td>2</td>
</tr>
<tr>
<td>10514178</td>
<td>Geriatric Practice</td>
<td>3</td>
</tr>
<tr>
<td>10514179</td>
<td>Community Practice</td>
<td>2</td>
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<tr>
<td>10514182</td>
<td>Physical Rehabilitation Practice</td>
<td>3</td>
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<tr>
<td>10514183</td>
<td>Pediatric Practice</td>
<td>3</td>
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<tr>
<td>10514184</td>
<td>OTA Fieldwork IIA</td>
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<tr>
<td>10514185</td>
<td>OTA Practice and Management</td>
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<tr>
<td>10514186</td>
<td>OTA Fieldwork IIB</td>
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<tr>
<td>10514187</td>
<td>OTA Fieldwork IIB</td>
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</table>

General Studies Courses
- 10801195 Written Communication 3
- 10801196 Oral/Interpersonal Communication 3
- 10806177 General Anatomy and Physiology 4
- 10809172 Introduction to Diversity Studies 3
- 10809188 Developmental Psychology 3
- 10809196 Introduction to Sociology 3
- 10809198 Introduction to Psychology 2

ELECTIVES
3

PROGRAM REQUIREMENTS
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Fieldwork: Fieldwork IIA and IIB will be completed in two different settings under the supervision of a COTA or OTR. OTA students must complete Level II Fieldwork within 18 months following completion of the academic preparation. Requires a prerequisite and/or corequisite that must be completed with a grade point of 2.0 or better. See pages 41-43 for course descriptions. Students must earn a grade point of 2.0 or better in all required courses.
Course Descriptions
(See pages 41-43 for General Studies course descriptions)

10514171 Introduction to Occupational Therapy - Credits: 3
Provides an overview of history, philosophy, ethics, and scope of occupational therapy practice. Examines legal responsibilities, professional resources, and organization. Students practice basic skills related to therapeutic relationships and determine their own suitability to a career in occupational therapy. COREQUISITES: 10514172 Medical and Psychosocial Conditions, 10514173 Activity Analysis and Applications, and 10806177 General Anatomy and Physiology.

10514172 Medical and Psychosocial Conditions - Credits: 3
Introduces medical and psychosocial conditions as they relate to occupational therapy practice. Topics include etiology, symptomology, treatment, and contraindications. PREREQUISITE: Admission to OTA program and COREQUISITES: 10514171 Introduction to Occupational Therapy, 10514173 Activity Analysis and Applications, and 10806177 General Anatomy and Physiology.

10514173 Activity Analysis and Applications - Credits: 2
Provides instruction in activity analysis with hands-on experience in activities across the lifespan. Students apply the teaching/learning process and adhere to safety regulations. PREREQUISITE: Admission to OTA program and COREQUISITES: 10514171 Introduction to Occupational Therapy, 10514172 Medical and Psychosocial Conditions, and 10806177 General Anatomy and Physiology.

10514174 OT Performance Skills - Credits: 4
Emphasis on the development of skills related to assessment and intervention in the areas of sensory, motor, cognition, and communication. PREREQUISITES: 10514171 Introduction to Occupational Therapy, 10514172 Medical and Psychosocial Conditions, 10514173 Activity Analysis and Applications, 10806177 General Anatomy and Physiology and COREQUISITES: 10514175 Psychosocial Practice, 10514176 OT Theory and Practice, 10514177 Assistive Technology and Adaptations, and 10514178 Geriatric Practice.

10514175 Psychosocial Practice - Credits: 3
Examines the role of the OTA in the service delivery to individuals affected by mental health conditions. Provides opportunity for development of skills related to psychosocial assessment and interventions. PREREQUISITES: 10514171 Introduction to Occupational Therapy, 10514172 Medical and Psychosocial Conditions, 10514173 Activity Analysis and Applications, and 10806177 General Anatomy and Physiology and COREQUISITES: 10514174 OT Performance Skills, 10514176 OT Theory and Practice, 10514177 Assistive Technology and Adaptations, and 10514178 Geriatric Practice.

10514176 OT Theory and Practice - Credits: 3
Examines the theoretical foundations that guide OT practice. Apply group dynamics and demonstrate leadership skills. PREREQUISITES: 10514171 Introduction to Occupational Therapy, 10514172 Medical and Psychosocial Conditions, 10514173 Activity Analysis and Applications, and 10806177 General Anatomy and Physiology and COREQUISITES: 10514174 OT Performance Skills, 10514175 Psychosocial Practice, 10514177 Assistive Technology and Adaptations, and 10514178 Geriatric Practice.

10514177 Assistive Technology and Adaptations - Credits: 2
Explores technologies that support delivery of OT services. Emphasis on competency related to computer skills, ergonomics, adaptive devices, and environments. PREREQUISITES: 10514171 Introduction to Occupational Therapy, 10514172 Medical and Psychosocial Conditions, 10514173 Activity Analysis and Applications, and 10806177 General Anatomy and Physiology and COREQUISITES: 10514174 OT Performance Skills, 10514175 Psychosocial Practice, 10514176 OT Theory and Practice, and 10514178 Geriatric Practice.

10514178 Geriatric Practice - Credits: 3
Explores the role of the OT in the service delivery to elders in a variety of settings. Includes analysis of the impact of age-related changes and disease processes on the function of the elderly. PREREQUISITES: 10514171 Introduction to Occupational Therapy, 10514172 Medical and Psychosocial Conditions, 10514173 Activity Analysis and Applications, and 10806177 General Anatomy and Physiology and COREQUISITES: 10514174 OT Performance Skills, 10514175 Psychosocial Practice, 10514176 OT Theory and Practice, and 10514177 Assistive Technology and Adaptations.

10514179 Community Practice - Credits: 2
Explores practice options and interventions for occupation-based community practice. Students articulate the unique role of occupational therapy within the community. PREREQUISITES: 10514171 Introduction to Occupational Therapy, 10514172 Medical and Psychosocial Conditions, 10514173 Activity Analysis and Applications, and 10806177 General Anatomy and Physiology and COREQUISITES: 10514174 OT Performance Skills, 10514175 Psychosocial Practice, 10514176 OT Theory and Practice, and 10514177 Assistive Technology and Adaptations.

10514182 Physical Rehabilitation Practice - Credits: 3
Explores interventions relative to major physical disability diagnoses seen in OT practice. Evaluation, treatment interventions, and documentation are emphasized relative to the biomechanical, neurodevelopmental, and rehabilitative approaches to practice. PREREQUISITES: 10514171 Introduction to Occupational Therapy, 10514172 Medical and Psychosocial Conditions, 10514173 Activity Analysis and Applications, and 10514177 Assistive Technology and Adaptations, and 10514178 Geriatric Practice and COREQUISITES: 10514179 Community Practice, 10514183 Pediatric Practice, and 10514184 OTA Fieldwork I.

10514183 Pediatric Practice - Credits: 3
Explores interventions relative to major pediatric diagnoses seen in OT practice. Evaluation, treatment interventions, and documentation are emphasized within the context of the child’s occupations. PREREQUISITES: 10514174 OT Performance Skills, 10514175 Psychosocial Practice, 10514176 OT Theory and Practice, 10514177 Assistive Technology and Adaptations, and 10514178 Geriatric Practice and COREQUISITES: 10514179 Community Practice, 10514182 Physical Rehabilitation Practice, 10514184 OTA Fieldwork I, and 10809188 Developmental Psychology.

10514184 OTA Fieldwork I - Credits: 2
Integrate classroom theory and practice into a Fieldwork Level I experience. Provides experiences to assist in the development of communication, professional and observational skills. PREREQUISITES: 10514174 OT Performance Skills, 10514175 Psychosocial Practice, 10514176 OT Theory and Practice, 10514177 Assistive Technology and Adaptations, and 10514178 Geriatric Practice and COREQUISITES: 10514179 Community Practice, 10514182 Physical Rehabilitation Practice, and 10514183 Pediatric Practice.

10514185 OT Practice and Management - Credits: 2
Provides opportunities to practice clinical management skills, continuous quality improvement measurement, and administrative concepts and procedures. Students create a professional development plan. PREREQUISITES: All required courses with a grade point of 2.0 or better and COREQUISITES: 10514186 OTA Fieldwork IIA or 10514187 OTA Fieldwork IIB.

10514186 OTA Fieldwork IIA - Credits: 5
Develops skills and behaviors necessary for entry-level occupational therapy assistant practice. Provides a different clinical practice setting than OTA Fieldwork IIB. PREREQUISITES: All required courses with a grade point of 2.0 or better and COREQUISITES: 10514185 OT Practice and Management and 10514187 OTA Fieldwork IIB.

10514187 OTA Fieldwork IIB - Credits: 5
Develops skills and behaviors necessary for entry-level occupational therapy assistant practice. Provides a different clinical practice setting than OTA Fieldwork IIA. PREREQUISITES: All required courses with a grade point of 2.0 or better and COREQUISITES: 10514185 OT Practice and Management and 10514186 OTA Fieldwork IIA.

Graduate Employment Information
(WITC Graduate Survey Responses 2012-2013; for most recent data, go to witc.edu)

Number of graduates 22
Number of responses 17
Number available for employment 17
Number employed 17
Percent employed 100%
Employed in related field 12
% employed in WITC district 31%
Range of yearly salary $37,437-$58,236
Average yearly salary $48,243

800.243.9482
witc.edu
2014-2015
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General Information

General Studies offers courses in communication, mathematics, science, social science, and behavioral science that provide the foundation for degree, certificate, and diploma programs at WITC. A General Studies certificate is also offered.

Prepared Learner courses equip students with the skills necessary to master college-level curricula. Accuplacer test scores, academic history, self-awareness, and/or length of time away from formal education steer students to these courses. Prepared Learner courses carry college credits and are eligible for financial aid. They cannot be counted for degree credit. Students whose placement scores require Prepared Learner enrollment must complete each required class with a grade of C or higher before registering for the subsequent General Studies course.

Basic Education offers individualized and group instruction in English, social studies, science, reading, mathematics, English Language Learning (ELL), civics, health, career exploration, and employability skills. Persons may attend classes to prepare for entry into specific WITC courses, to receive academic support with current program course materials, to prepare for employment, to increase knowledge of oral and written communication, and to fulfill personal goals. GED/HSED preparation and testing services are also available.

General Studies Courses

<table>
<thead>
<tr>
<th>Communication</th>
<th>Mathematics</th>
<th>Social Science</th>
<th>Interdisciplinary</th>
<th>Basic Education Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>10801195 Written Communication</td>
<td>10804107 College Mathematics</td>
<td>10809122 Introduction to American Government</td>
<td>10890100 Success Strategies 1</td>
<td>Various levels of coursework are offered in the following areas:</td>
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<tr>
<td>10801196 Oral/Interpersonal Communication</td>
<td>10804113 College Technical Mathematics 1A</td>
<td>10809166 Introduction to Ethics: Theory and Application</td>
<td>10890101 Success Strategies 2</td>
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<tr>
<td>10801197 Technical Reporting</td>
<td>10804114 College Technical Mathematics 1B</td>
<td>10809172 Introduction to Diversity Studies</td>
<td>10890105 Job Quest</td>
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<td>10801198 Speech</td>
<td>10804115 College Technical Mathematics 1</td>
<td>10809174 Social Problems</td>
<td>10890120 Service Learning</td>
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<tr>
<td>32801361 Applied Communications 1</td>
<td>10804116 College Technical Mathematics 1</td>
<td>10809195 Economics</td>
<td>32890300 Contemporary Workplace</td>
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<tr>
<td>32801363 Applied Communications 2</td>
<td>10804117 College Technical Mathematics 2</td>
<td>10809196 Introduction to Sociology</td>
<td>32890305 Applied Information Resources</td>
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<tr>
<td>10801199 Technical Reporting</td>
<td>10804118 College Technical Mathematics 2</td>
<td>10809159 Abnormal Psychology</td>
<td>10890159 Job Quest</td>
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<td>10801220 Math with Business Applications</td>
<td>10804133 Mathematics and Logic</td>
<td>10809188 Developmental Psychology</td>
<td>10890120 Service Learning</td>
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<tr>
<td>10804133 Mathematics and Logic</td>
<td>10804136 Math for Health Professionals</td>
<td>10809198 Introduction to Psychology</td>
<td>32890300 Contemporary Workplace</td>
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<tr>
<td>10804138 Introductory Statistics</td>
<td>32804355 Math 355</td>
<td>32890371 Applied Human Relations</td>
<td>32890305 Applied Information Resources</td>
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<td>32804356 Math 364</td>
<td>32804365 Math 365</td>
<td>10890100 Success Strategies 1</td>
<td>10890101 Success Strategies 2</td>
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<tr>
<td>32804367 Math 373</td>
<td>32804368 Math 373</td>
<td>10890105 Job Quest</td>
<td>10890120 Service Learning</td>
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<tr>
<td>32804383 Math 383</td>
<td>32804384 Math 383</td>
<td>32804385 Math 385</td>
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Science

<table>
<thead>
<tr>
<th>Science</th>
<th>Social Science</th>
<th>Interdisciplinary</th>
<th>Basic Education Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>10806112 Principles of Sustainability</td>
<td>10809122 Introduction to American Government</td>
<td>10890100 Success Strategies 1</td>
<td>Various levels of coursework are offered in the following areas:</td>
</tr>
<tr>
<td>10806122 Natural Sciences in Society</td>
<td>10809166 Introduction to Ethics: Theory and Application</td>
<td>10890101 Success Strategies 2</td>
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<tr>
<td>10806134 General Chemistry</td>
<td>10809172 Introduction to Diversity Studies</td>
<td>10890105 Job Quest</td>
<td>10890120 Service Learning</td>
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<td>10806140 Chemistry</td>
<td>10809174 Social Problems</td>
<td>32890300 Contemporary Workplace</td>
<td>32890305 Applied Information Resources</td>
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<tr>
<td>10806175 Pathophysiology</td>
<td>10809195 Economics</td>
<td>10890120 Service Learning</td>
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<tr>
<td>10806177 General Anatomy and Physiology</td>
<td>10809196 Introduction to Sociology</td>
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<tr>
<td>10806179 Advanced Anatomy and Physiology</td>
<td>10809159 Abnormal Psychology</td>
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<tr>
<td>10806197 Microbiology</td>
<td>10809188 Developmental Psychology</td>
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<td>10806198 Human Biology</td>
<td>10809198 Introduction to Psychology</td>
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<tr>
<td>31806310 Science for Cosmetologists</td>
<td>32890371 Applied Human Relations</td>
<td>32890305 Applied Information Resources</td>
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<tr>
<td>31806352 Applied Physical Science</td>
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<tr>
<td>32806300 Applied Materials Science</td>
<td>32890371 Applied Human Relations</td>
<td>32890305 Applied Information Resources</td>
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<tr>
<td>32806351 Applied Science</td>
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Prepared Learner

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<tr>
<td>10831103 Intro to College Writing</td>
<td>Requires a prerequisite and/or corequisite that must be completed with a grade point of 2.0 or better unless otherwise specified by program requirements.</td>
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<tr>
<td>10834109 Pre-Algebra</td>
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<tr>
<td>10835103 Study Skills</td>
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<tr>
<td>10836104 Intro to College Reading</td>
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</tbody>
</table>

Basic Education Courses

Various levels of coursework are offered in the following areas:

- English
- Social Studies
- Science
- Reading
- Mathematics
- English Language Learning (ELL)
- Civics
- Health
- Employability Skills
- GED/HSED Orientation
Communication

10801195 Written Communication - Credits: 3
Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments are designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents. PREREQUISITE: Successful scores on placement test or 10831103 Intro to College Writing.

10801196 Oral/Interpersonal Communication - Credits: 3
Focuses upon developing speaking, verbal and nonverbal communication, and listening skills through individual presentations, group activities, and other projects.

10801197 Technical Reporting - Credits: 3
The student will prepare and present oral and written technical reports. Types of reports may include lab and field reports, proposals, technical letters and memos, technical research reports, and case studies. Designed as an advanced communication course for students who have completed at least the prerequisite introductory writing course. PREREQUISITE: 10801195 Written Communication.

Mathematics

10804107 College Mathematics - Credits: 3
This course is designed to review and develop fundamental concepts of mathematics pertinent to the areas of: 1) arithmetic and algebra; 2) geometry and trigonometry; and 3) probability and statistics. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections, and using calculators. Topics include performing arithmetic operations and simplifying algebraic expressions, solving linear equations and inequalities in one variable, solving proportions and incorporating percent problems, manipulating formulas, solving and graphing systems of linear equations and inequalities in two variables, finding areas and volumes of geometric figures, applying similar and congruent triangles, converting measurements within and between U.S. and metric systems, applying Pythagorean Theorem, solving right and oblique triangles, calculating probabilities, organizing data and interpreting charts, calculating central and spread measures, and summarizing and analyzing data. PREREQUISITE: Successful scores on placement test or 10831009 Pre-Algebra.

10804113 College Technical Mathematics 1A - Credits: 3
Topics include: solving linear, quadratic, and rational equations; graphing, formula rearrangement; solving systems of equations; percent; proportions; and operations of polynomials. Emphasis will be on the application of skills to technical problems. Successful completion of College Technical Mathematics 1A and College Technical Mathematics 1B is equivalent to College Technical Mathematics 1. COREQUISITE: Successful scores on placement test or 10831009 Pre-Algebra.

10804114 College Technical Mathematics 1B - Credits: 2
This course is a continuation of College Technical Mathematics 1A. Topics include: measurement systems; computational geometry, right and oblique triangle trigonometry; and trigonometric functions on the unit circle. Emphasis will be on the application of skills to technical problems. Successful completion of concurrent enrollment in College Technical Mathematics 1A is required for course enrollment. Successful completion of College Technical Mathematics 1A and College Technical Mathematics 1B is equivalent to College Technical Mathematics 1. COREQUISITE: 10804113 College Technical Mathematics 1A.

10804115 College Technical Mathematics 1 - Credits: 5
Topics include: solving linear, quadratic, and rational equations; graphing, formula rearrangement; solving systems of equations; percent; proportions; measurement systems; computational geometry; right and oblique triangle trigonometry; trigonometric functions on the unit circle; and operations on polynomials. Emphasis will be on the application of skills to technical problems. This course is the equivalent of successful completion of College Technical Mathematics 1A and College Technical Mathematics 1B. PREREQUISITE: Successful scores on placement test or 10831009 Pre-Algebra.

10804116 College Technical Mathematics 2 - Credits: 4
Topics include: vectors; trigonometric functions and their graphs; identities; exponential and logarithmic functions and equations; radical equations; equations with rational exponents; dimension of a circle; velocity; sine and cosine graphs; complex numbers in polar and rectangular form; trigonometric equations; conic sections; and analysis of statistical data. Emphasis will be on the application of skills to technical problems. PREREQUISITE: 10804113 College Technical Mathematics 1A and 10804114 College Technical Mathematics 1B or 10804115 College Technical Mathematics 1.

10804123 Math with Business Applications - Credits: 3
This course integrates algebraic concepts, proportions, percents, simple interest, compound interest, annuities, and basic statistics with business/consumer scenarios. It also applies math concepts to the purchasing/buying and selling processes. PREREQUISITE: Successful scores on placement test or 10831009 Pre-Algebra.

10804133 Mathematics and Logic - Credits: 3
Students will apply mathematical problem solving techniques. Topics will include symbolic logic, sets, algebra, Boolean algebra, and number bases. PREREQUISITE: Successful scores on placement test or 10831009 Pre-Algebra.

10804138 Math for Health Professionals - Credits: 2
Following an arithmetic review, this course emphasizes those mathematical skills necessary for success in the nursing field and related health occupations. Emphasis will be placed on computational skills and applications of rational numbers; problem solving skills with ratios, proportions, and percents; basic principles and application of algebra, graphing, and statistics; measurement skills in U.S. Customary and Metric systems as well as apothecary and household systems; and the use of calculators as a tool. PREREQUISITE: Successful scores on placement test or 10831009 Pre-Algebra.

10804189 Introductory Statistics - Credits: 3
Students taking Introductory Statistics display data with graphs, describe distributions with numbers, perform correlation and regression analyses, and design experiments. They use probability and distributions to make predictions, estimate parameters, and test hypotheses. They use statistical software including ANOVA. Recommended PREREQUISITE: Introductory computer skills to include spreadsheets. PREREQUISITE: Successful score on placement test or successful completion of 10831009 Pre-Algebra or any associate degree or college parallel level WYCC mathematics course.

Programs and Course Descriptions
### General Studies Course Descriptions

#### Science

**10806112 Principles of Sustainability - Credits: 3**
Prepares the student to develop sustainable literacy, analyze the interconnections among the physical and biological sciences and environmental systems, summarize the effects of sustainability on health and well-being, analyze connections among social, economic, and environmental systems, employ energy conservation strategies to reduce the use of fossil fuels, investigate alternative energy options, evaluate options to current waste disposal and recycling in the U.S., and analyze approaches used by your community to promote and professional communication with colleagues and patients. This course includes a one-credit lab component that supports the professional communication with colleagues and patients. This course emphasizes the interrelationships between structure and function at the gross and microscopic levels of organization. Instructional delivery within a classroom and laboratory setting. Experimental work within a science lab will include analysis of cellular metabolism, the individual components of body systems such as the nervous, neuromuscular, cardiovascular, and urinary. Continued examination of homeostatic mechanisms and their relationship to fluid, electrolyte, acid-base balance and blood. Integration of genetics to human reproduction and development are also included in this course. PREREQUISITE: 10806177 General Anatomy and Physiology, preferably within the last five years.

**10806197 Microbiology - Credits: 4**
Examines microbial structure, metabolism, genetics, growth and the relationship between humans and microorganisms. Addresses disease production, epidemiology, host defense mechanisms and the medical impact of microbes. Examines the role of microbes in the environment and biotechnology. This course includes a one-credit lab component that supports the course objectives. PREREQUISITE: 10806177 General Anatomy and Physiology, preferably within the last five years.

**10806198 Human Biology - Credits: 4**
This is an introductory course that emphasizes the structure of the human body and the functional interrelationships of the body’s systems. Consideration is given to the human body and disease, human genetics, human ecology, and the role that humans play in the environment. The course consists of three hours of lecture and two hours of lab per week. Note: this course does not meet requirements for or substitute for General Anatomy and Physiology or Anatomy & Physiology 1 and 2.

**31806310 Science for Cosmetologists - Credits: 3**
Includes the fundamental concepts of physics, chemistry, human anatomy, physiology, and disease. Students examine and learn to apply scientific methods and reasoning to develop problem-solving skills. This course includes the student with a broad, integrated understanding of the impact of the various sciences on cosmetology processes, and prepares the participant to apply scientific principles in the cosmetology field.

**31806352 Applied Physical Science - Credits: 2**
Course contains a variety of applied physical science principles including light, color, chemistry, material properties, and direct current electricity. These principles will be applied to applications within the trades.

**32806300 Applied Materials Science - Credits: 2**
This is a one-semester course consisting of a study of the chemical and physical properties of industrial materials. Areas of study include properties of metals, plastics, and ceramics with the primary emphasis being on metals.

**32806351 Applied Science - Credits: 2**
Applied Science is a basic science course that applies concepts from physics and chemistry to the trades and industry. Topics include work, power, energy, the principles of fluids applied to hydraulics and pneumatics, and the basic properties of solids.

### Social Science

**10809122 Introduction to American Government - Credits: 3**
Introduces American political processes and Institutions. Focuses on rights and responsibilities of citizens and the process of participatory democracy. Learners examine the complexity of the separation of powers and checks and balances. Explores the role of the media, interest groups, political parties, and public opinion in the political process. Also explores the role of state and national government in our federal system.

**10809166 Introduction to Ethics: Theory and Application - Credits: 3**
This course provides a basic understanding of the theoretical foundations of ethical thought. Diverse ethical perspectives will be used to analyze and compare relevant issues. Students will critically evaluate individual, social and/or professional standards of behavior, and apply a systematic decision-making process to these situations.

**10809172 Introduction to Diversity Studies - Credits: 3**
Introduces learners to the study of diversity from a local to a global environment using a holistic, interdisciplinary approach. Encourages self-exploration and prepares the learner to work in a diverse environment. In addition to an analysis of majority/minority relations in a multicultural context, the primary topics of race, ethnicity, age, gender, class, sexual orientation, disability, religion are explored.

**10809174 Social Problems - Credits: 3**
Explores the causes and possible solutions to selected social problems, such as inequality, crime and deviance, and poverty. Students will examine the interrelationship of social problems and their roots in fundamental societal institutions. PREREQUISITE: 10809196 Introduction to Sociology.

**10809195 Economics - Credits: 3**
This course is designed to give an overview of how a market-oriented economic system operates, and it surveys the factors which influence national economic policy. Basic concepts and analyses are illustrated by reference to a variety of contemporary problems and public policy issues. Concepts include scarcity, resources, alternative economic systems, growth, supply and demand, monetary and fiscal policy, inflation, unemployment and global economic issues.

**10809196 Introduction to Sociology - Credits: 3**
Introduces students to the basic concepts of sociology: culture, socialization, social stratification, multi-culturalism, and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.
Behavioral Science

10809159
Abnormal Psychology - Credits: 3
The course in Abnormal Psychology surveys the essential features, possible causes, and assessment and treatment of the various types of abnormal behavior from the viewpoint of the major theoretical perspectives in the field of abnormal psychology. Students will be introduced to the diagnosis system of the Diagnostic and Statistical Manual of Mental Disorders (DSM-IV). In addition, the history of the psychology of abnormality will be traced. Cultural and social perspectives in understanding and responding to abnormal behavior will be explored as well as current topics and issues within abnormal psychology. PREREQUISITE: 10809198 Introduction to Psychology.

10809188
Developmental Psychology - Credits: 3
Developmental Psychology is the study of human development throughout the lifespan. This course explores developmental theory and research with an emphasis on the interactive nature of the biological, cognitive, and psychosocial changes that affect the individual from conception to death. Application activities and critical thinking skills will enable students to gain an increased knowledge and understanding of themselves and others.

10809198
Introduction to Psychology - Credits: 3
This introductory course in psychology is a survey of the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors, and social influences. It directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings.

32890371
Applied Human Relations - Credits: 2
A course designed to give students insight into how their own personality and abilities affect their own relationships with others at work, in the family, and in society. Areas stressed include presenting a professional image in seeking employment, developing a positive work attitude, and an awareness of personal adjustments needed to succeed on any new job.

Interdisciplinary

10890100
Success Strategies 1 - Credits: 1
This course is designed to facilitate greater learner success affecting the academic, professional, and personal lives of students.

10890101
Success Strategies 2 - Credits: 1
This course is designed to facilitate greater learner success affecting the academic, professional, and personal lives of students. PREREQUISITE: 10890100 Success Strategies 1.

10890105
JobQuest - Credits: 1
This course is designed to enhance the student’s ability to seek, obtain, and retain employment. Assessment of personal characteristics, job-seeking and retention skills, preparation of employment-related documents, and interviewing strategies are included.

10890120
Service Learning - Credits: 3
This course is designed to provide students with work experience in community settings. Students plan and participate in activities that address community needs and develop their academic, program, and core ability skills. Students will log and journal experiences to reflect their learning and may develop a portfolio to document skill development.

32890300
Contemporary Workplace - Credits: 2
This course prepares you to enter the contemporary workplace with a variety of skills needed in today’s rapidly changing world of work. You will explore aspects of professionalism, management and leadership styles, the impact of diversity, and aspects of customer service. In addition, legal issues, health, safety, and security concerns, employee/employer relationships, employee compensation options; and effective interpersonal relationships will be examined. Interpersonal skill building will be a focus throughout with hands-on, practical experiences and exercises designed to reinforce learning.

32890305
Applied Information Resources - Credits: 2
This course will allow the learner to develop skills in research, evaluation, selection, and preparation of information resources useful to their career area. Learners will use various information resources, including computer software applications to develop sound information research strategies. Learners will be exposed to ethical use of information, information provided by various methods and stored in various management formats, communicating by e-mail, developing search and selection of information resources, analysis, and use of results. This discussion- and lab-based course will use individual and group work to search and share information resources. Competencies learned in this course will be able to be applied in other courses within your program and will continue to be valuable in lifelong learning. You should have experience in keyboarding and basic computer skills for this course.

Prepared Learner

10831103
Intro to College Writing - Credits: 3
This transitional course prepares the student for enrollment in Written Communication and introduces basic principles of composition, including organization, development, unity, and coherence in paragraphs and multi-paragraph documents. PREREQUISITE: Successful scores on placement test or Basic Education coursework.

10834109
Pre-Algebra - Credits: 3
Provides an introduction to algebra. Includes operations on real numbers, solving linear equations, percent and proportion, and an introduction to polynomials and statistics. Prepares students for elementary algebra and subsequent algebra related courses. PREREQUISITE: Successful scores on placement test or Basic Education coursework.

10835103
Study Skills - Credits: 1
This course provides learners with strategies to develop study skills for success in college. Through hands-on experiences, learners will apply study skills, learn how to think critically, and use information resources and technology.

10836104
Intro to College Reading - Credits: 2
Provides learners with opportunities to develop and expand reading skills including comprehension and vocabulary. Learners apply reading skills to academic tasks and read to acquire information from a variety of sources.