

DENTAL HYGIENE

ACCREDITATION

The program in Dental Hygiene is accredited by the American Dental Association Commission on Dental Accreditation. The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, Illinois 60611.

ASSOCIATE DEGREE PROGRAM

Dental hygienists are vital members of the dental health care team. They are preventive oral health professionals licensed to provide educational, clinical, and therapeutic services to the public. Dental hygienists provide comprehensive care to patients in collaboration with dentists by assessing patient needs, planning for treatment and disease prevention, implementing the treatment plan, and evaluating clinical dental hygiene services. As members of the dental team, registered dental hygienists are responsible for providing treatment that helps prevent oral diseases such as decay and periodontal (or gum) disease. Hygienists also educate patients to maintain optimal oral health. Registered dental hygienists integrate many roles in their profession depending on whether they practice in traditional or nontraditional settings to support total health through the promotion of oral health and wellness.

The education of the dental hygienist emphasizes basic sciences, including chemistry, introductory microbiology, pathology, and anatomy and physiology. The Dental Hygiene curriculum maximizes the integration of and promotes the interrelationship between general education, biomedical science, dental science, dental hygiene science, and clinical practice components of preventive dental hygiene services.

Dental Hygiene courses build on the theoretical knowledge and clinical competencies gained each quarter. Program instructors base the curriculum sequence so that students can master fundamental theory before progressing to more difficult levels of theory application. Upon mastery of fundamental theory, students begin developing the skills necessary to deliver preventive, educational, and therapeutic services to the public. The Dental Hygiene curriculum teaches the cognitive, psychomotor, and affective skills that will enable prospective dental hygienists to provide the highest quality of care to patients. Upon completing degree requirements, graduates of accredited dental hygiene programs are eligible to take the written National Board Examination for Dental Hygiene, the Central Regional Dental Testing Service clinical exam, and/or the clinical board given in the state chosen for practice. Upon successful completion of the examinations, graduates are employable as licensed registered dental hygienists.

ESSENTIAL FUNCTIONS

The ethical practice of Dental Hygiene requires intellectual ability, physical competence, and personal responsibility. This list of technical standards and essential functions is for students to become aware of and informed of the skills required in the performance of duties of a Dental Hygiene student. The physical abilities and the personal and behavioral characteristics necessary are conditions of admission and for successful completion of the program. The list of essential functions include:

- Must be able to reach up to a height of five feet in order to position equipment and reach, manipulate, and operate equipment necessary for the Dental Hygienist.
- Must be able to assist patients in and out of the dental chair and move, adjust, and position patients as needed.
- Have the ability to function with both hands and arms and have adequate manual dexterity to perform dental hygiene procedures.
- Must work in a sitting position for at least one hour at a time.
- Have adequate hand-eye coordination and the ability to distinguish right from left in order to perform dental hygiene procedures.
- Must be able to visually assess patient's condition and clearly see patient's teeth from a distance of 20 inches.
- Have adequate sensory perception in hands and fingers to detect and remove tooth deposits.
- Have the ability to handle instruments and syringes with sufficient fine motor control to avoid injury to the patient.
- Have the ability to hear for reception of spoken communication when the speaker is wearing a mask.
- Must be able to visibly differentiate the color spectrum for tissue discrimination.
- Must have the ability to collect, interpret, and integrate information and make decisions in order to provide appropriate and safe patient treatment.
- Have the ability to prevent and manage dental and medical emergencies, including performing CPR and/or other appropriate life support measures for medical emergencies that may be encountered in a dental practice.
- Have the ability to communicate effectively in English using verbal, non-verbal, and written formats with faculty, other students, patients, and all members of the dental team.
- Must have the ability to read technical English rapidly and with comprehension.
- Must be able to receive and comprehend, write, and interpret verbal and written communication in both the academic and clinical settings.

- Must have the ability to assess the oral hygiene treatment needs of special patients, such as the medically, mentally, or physically compromised patients, and the socially and culturally disadvantaged patients.
- Must have sufficient emotional stability and responsibility to withstand the stresses, uncertainties and changing circumstances that characterize the work duties of dental hygiene.
- Display flexibility and adaptability.
- Must possess the compassion, integrity, motivation, and concern for others.
- Must possess the ability to demonstrate professional behaviors and a strong work ethic and comply with the Code of Ethics for Dental Hygiene as established by the American Dental Hygiene Association (ADHA).

CAREER OPPORTUNITIES

Graduates may find employment as clinicians in private dental offices and as educators, administrators, managers, and researchers. Other options for practice settings include school systems, hospitals, correctional facilities, long-term care facilities, HMOs, dental supply and product companies, insurance companies, universities and other research centers, government agencies, community health programs, and areas of forensic dentistry.

PROGRAM EXPENSES

The recent reauthorization of the Higher Education Act requires all colleges and universities to notify students and prospective students of all program costs for which they will be responsible. Students will be responsible for the following expenses:

- Quarterly tuition (\$45 per credit hour)
- Quarterly student activity fees (\$16)
- Quarterly registration fee (\$26)
- Quarterly accident insurance fee (\$4)
- Quarterly instructional and technology supply fee (\$35)
- Background check (Approximately \$50)
- Cardiopulmonary resuscitation certification (\$40)
- Dental Hygiene instrument kit, supplies, and tools (Approximately \$3,400 for entire program)
- Digital imaging fee (\$500)
- Examinations
 - National board examination (\$285)
 - Clinical board examination (\$1,150)
 - Clinical board related expenses (\$500)
- Examination Reviews
 - National board examination (\$500)
- Film badge fee (\$15 per quarter)
- Immunizations
 - Hepatitis B (\$200)
 - Mumps, Measles, Rubella (\$25)
 - Varicella (\$25)
 - Tetanus (\$25)
 - Tuberculosis skin test (\$25)
- Licensure application fee (\$200)
- Malpractice insurance (\$11 each year)
- Physical examination (Approximately \$100)
- Program placement examination (\$75)

- Radiology fee (\$250)
- RDH pin (\$120)
- SADHA dues (\$90 for entire program)
- Textbooks (Approximately \$1,900 for entire program)
- Uniforms (Approximately \$1,075 for entire program)

The expenses are based on costs in effect at the time this catalog was published. Prices are subject to change.

ADMISSION REQUIREMENTS

The Dental Hygiene program utilizes a competitive admission process to select students. Program faculty and the Admissions Office staff designed the process to ensure maximum opportunity for student success in the program and on the licensure examination. Prospective students may gain admission to the college initially as Health Science program students/applicants to Dental Hygiene in order to complete any learning support classes and required general education and health core courses. The Dental Hygiene program admits students once per year at the beginning of Fall Quarter.

The application and file completion deadline for the associate degree program in Dental Hygiene is the first day in which campus offices are open after January 1 of the year for which applicants are seeking admission to the program. Applicants who are on academic probation or are academically dismissed from the college as of the application deadline will not be considered for admission. Applicants not selected for the program may reapply during subsequent admission intake periods. There is no waiting list between intake periods; applicants must complete the application process for each attempt for entry into the Dental Hygiene program.

Applicants must possess the specific Dental Hygiene essential functions that reflect dental hygiene performance abilities and characteristics that are necessary to complete the requirements of the Dental Hygiene program successfully. Dental experience is a plus and/or graduation from a dental assisting program highly favorable. To receive consideration for admission to the program, applicants must submit:

- Completed and signed application for admission and a \$20 nonrefundable application fee;
- Official transcripts showing that applicants earned a minimum grade point average of 2.0 on a 4.0 scale in high school and on all college work attempted (applicants transferring from other colleges will not be required to submit high school transcripts if they completed a minimum of 30 semester or 45 quarter credit hours of study at one or more colleges);
- Documentation of completion of college mathematics (MAT 1100 or MAT 1111), human anatomy and physiology I and II (BIO 2113 and BIO 2114), introductory microbiology (BIO 2117), and chemistry (CHM 1111) or equivalent courses with grades of C or better (applicants transferring from other colleges must confirm the transferability of credit for these courses with the college's director of registration and records by the January application deadline);

- d. Scores from a standardized health program placement examination which will be used as part of the competitive selection process;
- e. Three forms of recommendation from individuals familiar with applicants' academic or work history, community service, extracurricular activities, and leadership abilities (blank recommendation forms are available in the Admissions Office and online at www.athenstech.edu—Select *Prospective Students* and then *Competitive Health Pgms*);
- f. Documentation showing the completion of 40 hours of observation in a dental office, preferably with a registered dental hygienist (blank observation forms are available in the Admissions Office and online at www.athenstech.edu—Select *Prospective Students* and then *Competitive Health Pgms*);
- g. Signed Dental Hygiene Code of Ethics (available from program chair and online at www.athenstech.edu—Select *Prospective Students* and then *Competitive Health Pgms*) which includes the responsibility to provide oral care for all patients without discrimination;
- h. Completed and signed Intent Form (blank forms are available in the Admissions Office and online at www.athenstech.edu—Select *Prospective Students* and then *Competitive Health Pgms*); and
- i. Attend a mandatory pre-admission orientation session if invited (failure to attend or to make alternate arrangements to obtain necessary information will result in the forfeiture of admission to the program).

Although applicants must have a minimum grade of C in all prerequisite courses listed in item C, it should be noted that the prerequisite course grade point average is

one of the main criteria for selection in life science programs, so grades of C are typically not competitive.

Applicants must take the standardized health program placement examination no later than November to receive consideration for admission to the program. The Admissions Office staff and program faculty will invite a group of the highest-ranking applicants (based on the above criteria) to participate in a formal interview and essay writing process.

From this group, 15 students will gain admission to the program. Students admitted to the Dental Hygiene program must have the following official documents on file in the Dental Hygiene Office prior to entering any Dental Hygiene (DHY) course:

- a. Current certification in cardiopulmonary resuscitation for health care providers/basic first aid;
- b. Copy of immunization records;
- c. Results of medical and dental examinations (conducted a maximum of six months prior to admission);
- d. Verification of both health and malpractice insurance (see *Malpractice Insurance*);
- e. A signed document acknowledging that commission of a felony before or during their enrollment in this program may prevent graduate from taking the licensure exam to become dental hygienists and that they may be required to complete drug testing and/or background checks at their own expense prior to participating in internships, practicums, or clinical activities at certain host sites for these activities (see *Drug Testing/Background Checks*) (blank documents are available from the program chair or the Admissions Office and online at www.athenstech.edu—Select *Prospective Students* and then *Competitive Health Pgms*).

DENTAL HYGIENE CURRICULUM OUTLINE

Associate of Applied Science Degree Program (Major Code: DH03)

Credit Required for Graduation: 125 quarter credit hours

	Credits
General Education	35
* CHM 1111 Chemistry I	5
* ENG 1101 Composition and Rhetoric	5
* ENG 1102 Literature and Composition OR	5
* HUM 1101 Introduction to Humanities	
* ENG 1105 Technical Communications OR	5
* SPC 1101 Public Speaking	
* MAT 1100 Quantitative Skills and Reasoning OR	5
* MAT 1111 College Algebra	
* PSY 1101 Introduction to Psychology	5
* SOC 1101 Introduction to Sociology	5
Health Core	18
* BIO 2113 Human Anatomy and Physiology I	5
* BIO 2114 Human Anatomy and Physiology II	5
* BIO 2117 Introductory Microbiology	5
* SCT 100 Introduction to Microcomputers	3
Dental Hygiene Major	72
* DHY 100 Tooth Anatomy and Root Morphology	3
* DHY 101 Oral Embryology and Histology	2
* DHY 102 Head and Neck Anatomy	3
* DHY 103 Dental Materials	3
* DHY 106 Introduction and Preclinical Dental Hygiene	4
* DHY 108 Radiology	4
* DHY 114 Clinical Dental Hygiene I	5
* DHY 118 Clinical Dental Hygiene II	5
* DHY 125 Clinical Dental Hygiene III	6
* DHY 200 Periodontology	4
* DHY 205 Oral Pathology	4
* DHY 206 Pharmacology and Pain Control	4
* DHY 207 Community Dental Health	4
* DHY 211 Biochemistry and Nutrition	3
* DHY 215 Clinical Dental Hygiene IV	6
* DHY 230 Clinical Dental Hygiene V	6
* DHY 245 Clinical Dental Hygiene VI	6

**Students must pass courses with grades of C or better.*

BIOLOGY

Department Code: BIO

BIO 2113 **Human Anatomy and Physiology I** (4-3-5)

Banner Title: Anatomy/Physiology I

This course introduces the anatomy and physiology of the human body. Instructors place emphasis on the development of a systemic perspective of anatomical structures and physiological processes. Topics include body organization, chemistry, cell structure and functions, tissue classifications, the integumentary system, the skeletal system, the muscular system, and the nervous and sensory systems. Laboratory experiences support classroom learning. Students must pay a \$20 supply fee when registering for this course.

Prerequisite: ENG 099 with a grade of C or better and RDG 098 with a grade of C* or better or placement by diagnostic testing*

Offered quarterly

BIO 2114 **Human Anatomy and Physiology II** (4-3-5)

Banner Title: Anatomy/Physiology II

This course continues the study of the anatomy and physiology of the human body and builds upon the concepts of chemistry, cytology, and histology. Topics include the endocrine system, the cardiovascular system, the blood and lymphatic system, the immune system, the respiratory system, the digestive system, the urinary system, and the reproductive system. Topics also include fluid dynamics and metabolism. Laboratory experiences support classroom learning. Students must pay a \$20 supply fee when registering for this course.

Prerequisite: BIO 2113 with a grade of C or better

Offered quarterly

BIO 2117 **Introductory Microbiology** (4-3-5)

Banner Title: Introductory Microbiology

This course provides a foundation in basic microbiology. The course emphasizes infectious diseases. Students gain an understanding of the various characteristics of microorganisms in general and specific characteristics of pathogenic bacteria, viruses, fungi, and protozoa. Students will conduct studies of the host-parasite relationship, the mechanism of host defense, epidemiology, as well as antimicrobial and chemotherapeutic agents. Topics include microbial diversity, microbial cell biology, microbial genetics, interactions and impact of microorganisms and humans, microorganisms and human dis-

ease, and laboratory skills. Students must pay a \$25 supply fee when registering for this course.

Prerequisites: BIO 1111 or BIO 2113 or CHM 1111

Offered quarterly

CHEMISTRY

Department Code: CHM

CHM 1111 **General Chemistry I** (4-3-5)

Banner Title: General Chemistry I

Chemistry I is the first part of a 10-hour sequence. Instructors introduce basic principles and concepts that explain the behavior of matter. Topics include measurements, atomic structure, chemical bonding, physical states of matter, nomenclature, stoichiometry, and properties of solutions. Students must pay a \$25 supply fee when registering for this course.

Prerequisite: Associate degree program admission

Offered quarterly

DENTAL HYGIENE

Department Code: DHY

DHY 100 **Tooth Anatomy and Root Morphology** (2-2-3)

Banner Title: Tooth Anatomy/Root Morphology

Students obtain a thorough knowledge of external and internal morphological characteristics of human primary and secondary dentition. This course introduces students to various tooth identification systems and classifications of occlusion and dental anomalies. Topics include oral cavity anatomy, dental terminology, external and internal tooth anatomy, tooth nomenclature and numbering systems, individual tooth and root morphology, occlusion, and dental anomalies.

Prerequisite: Program admission, BIO 2113, BIO 2114, BIO 2117, CHM 1111

Corequisites: DHY 101, DHY 106

Offered Fall term

DHY 101 **Oral Embryology and Histology** (2-0-2)

Banner Title: Oral Embryology and Histology

This course focuses on the study of cells and tissues of the human body with emphasis on those tissues that compose the head, neck, and oral cavity. Topics include cellular structure and organelles; histology of epithelium, muscle tissue, nerve tissue, and connective tissue; embryological

development of the head and neck; tooth development; and development of tooth supporting structures.

Prerequisites: BIO 2113, BIO 2114, BIO 2117, CHM 1111

Corequisites: DHY 100, DHY 106

Offered Fall term

DHY 102 **Head and Neck Anatomy** (3-0-3)

Banner Title: Head and Neck Anatomy

This course focuses on the anatomy of the head and neck. Instructors place emphasis on those structures directly affected by the practice of dentistry. Topics include terminology, anatomic landmarks, osteology of the skull, temporomandibular joint, and muscles of mastication and facial expression. Also covered are the nervous system and blood supply of the head and neck, lymphatic system and immunology, endocrine and exocrine glands of the head and neck, nasal and paranasal sinuses, facial spaces, anatomy concerning local anesthesia, and the spread of dental infections.

Prerequisite: BIO 2113, BIO 2114, BIO 2117, CHM 1111, DHY 106 with a grade of C or better

Corequisite: DHY 108, DHY 114

Offered Winter term

DHY 103 **Dental Materials** (2-2-3)

Banner Title: Dental Materials

This course focuses on the nature, qualities, composition, and manipulation of materials used in dentistry. The primary goal of this course is to enhance the ability of students to make clinical judgments regarding the use and care of dental materials based on how these materials react in the oral environment. Topics include dental materials standards and properties, impression materials, gypsum products, mouth guards and whitening systems, dental bases, liners and cements, temporary restorations, classification of restorative dentistry, direct and indirect restorative materials, polishing procedures for dental restorations, removable dental prostheses, and sealants and implants.

Prerequisites: DHY 118 with a grade of C or better

Corequisites: DHY 125, DHY 206

Prerequisite/Corequisite: ENG 1101

Offered Summer term

DHY 106 **Introduction and Preclinical Dental Hygiene** (2-6-4)

Banner Title: Preclinical Dental Hygiene

This course provides the fundamental skills dental hygienists use in the delivery of optimum patient care. Topics include the history, scope, role, and responsibilities of dental hygiene practice; professionalism

and ethics; nomenclature; basic principles of infection control and disease transmission; barriers for clinician and patient; and hazardous materials and sharps stick protocols. Topics also include preparation for dental hygiene appointments, operation and positioning of the dental chair and unit, patient reception procedures, preliminary patient evaluation methods, instrumentation, instrument design, and the purpose and use of the dental mouth mirror and probe. This course reflects the content of courses DHY 104 (lecture component), DHY 105 (lab component), and DHY 106 in the Technical College System of Georgia curriculum for Dental Hygiene.

Prerequisite: BIO 2113, BIO 2114,
BIO 2117, CHM 1111

Corequisites: DHY 100, DHY 101
Offered Fall term

DHY 108 Radiology (3-3-4)

Banner Title: Radiology

This course emphasizes the application of radiology principles in the study of teeth and their surrounding structures. Topics include radiation physics principles, radiation biology, radiation safety, radiographic need, radiographic quality assurance, imaging theory, radiographic interpretation, legal issues of dental radiography, and digital radiography techniques and principles.

Prerequisites: BIO 2114, BIO 2117,

DHY 106 with a grade of C or better

Corequisites: DHY 102, DHY 114
Offered Winter term

DHY 114 Clinical Dental Hygiene I (2-9-5)

Banner Title: Clinical Dental Hygiene I

This course continues with instrumentation and utilizing the probe and explorer in various patient assessment methods. Instructors discuss the cause and prevention of dental disease and bacterial plaque. They introduce basic indices used in the clinical setting along with patient education principles and guidelines. Students study dentifrices, mouth rinses, and chemotherapy as related to the current concepts in the practice and promotion of preventive dentistry. Other topics include calculus, dental stains, and the care of dental prostheses. This course reflects combined course content of DHY 110 (lecture component) and DHY 111 (clinic component) in the Technical College System of Georgia curriculum for Dental Hygiene.

Prerequisites: BIO 2113, BIO 2114,

BIO 2117, CHM 1111, DHY 106 with
a grade of C or better

Corequisite: DHY 102, DHY 108
Offered Winter term

DHY 118 Clinical Dental Hygiene II (2-9-5)

Banner Title: Clinical Dental Hygiene II

This course continues the introduction to the clinical setting for application of patient care. Instructors emphasize instrumentation advances with the addition of scaling instruments and their design and use. Topics include medical and dental emergencies; polishing agents and abrasives; care of the dental hand piece, air motor, and prophylaxis angle; fluoride and its application; the dental hygiene process of care and treatment planning; instrument sharpening; and the care of implants. This course reflects the content of courses DHY 201 (lecture component) and DHY 202 (lab component) in the Technical College System of Georgia curriculum for Dental Hygiene.

Prerequisites: BIO 2114, BIO 2117,

DHY 108 with a grade of C or better,
DHY 114 with a grade of C or better

Corequisites: DHY 200, DHY 205, SCT
100

Offered Spring term

DHY 125 Clinical Dental Hygiene III (2-12-6)

Banner Title: Clinical Dental Hygiene III

Students continue to develop the skills necessary to perform dental hygiene care. Topics include a review of medical and dental emergencies, review of infection control and the sharps stick protocol, clinical procedures, operations of the dental clinic concerning appointments for dental hygiene care and maintenance, and team strategies. Also included are amalgam polishing, pit and fissure sealants and their application, pain control, dentinal hypersensitivity, and vitality testing. This course reflects the content of courses DHY 208 (lecture component) and DHY 209 (lab component) in the Technical College System of Georgia curriculum for Dental Hygiene.

Prerequisite: DHY 118 with a grade of C
or better

Corequisites: DHY 103, DHY 206

Offered Summer term

DHY 200 Periodontology (4-0-4)

Banner Title: Periodontology

Students receive fundamental information on periodontal anatomy, pathogenesis of periodontal diseases, and an introduction to modern rational periodontal therapy including preventive, nonsurgical, and surgical methods. Topics include tissues of the periodontium; epidemiology of periodontal diseases; disease prevention, treatment, and management; drug therapy; immu-

nology and host defense mechanisms; microorganisms associated with periodontology; surgical and nonsurgical treatment; implantology and maintenance; and periodontal and endodontic emergencies.

Prerequisites: BIO 2114, BIO 2117, DHY
114 with a grade of C or better

Corequisites: DHY 118, DHY 205

Prerequisite/Corequisite: SCT 100

Offered Spring term

DHY 205 Oral Pathology (4-0-4)

Banner Title: Oral Pathology

This course introduces pathology, including etiology, pathogenesis, and recognition of various pathological conditions. Instructors place emphasis on oral and paraoral pathology and systemic conditions affecting the head and neck. Topics include terminology, biopsy procedures, inflammation and repair, dental and mucosal anomalies, and caries and pulpal pathology. Topics also included are odontogenic cysts and developmental cysts, odontogenic tumors and other tumors of oral structures, systemic diseases affecting the oral structures, infectious diseases, salivary gland pathology, diseases of bone, blood dyscrasias, vesiculo-erosive and autoimmune diseases, and syndromes and genetic diseases of the head and neck.

Prerequisites: BIO 2114, BIO 2117, DHY
114 with a grade of C or better

Corequisites: DHY 118, DHY 200

Prerequisite/Corequisite: SCT 100

Offered Spring term

DHY 206 Pharmacology and Pain Control (4-0-4)

*Banner Title: Pharmacology/Pain
Control*

This course introduces the principles of basic pharmacology as they pertain to the practice of dentistry and dental hygiene. This course emphasizes actions of and reactions to medications commonly used in dental offices or taken by patients. Topics include terminology, pharmaceutical references, prescriptions and abbreviations, pharmacokinetics of drugs used in dentistry, drugs that may alter dental treatment and their pharmacokinetics, emergency drugs, drug abuse, dental related anesthesia, pain control, and legal and ethical considerations.

Prerequisite: DHY 118 with a grade of C
or better

Corequisites: DHY 103, DHY 125

Offered Summer term

DHY 207

Community Dental Health (2-4-4)

Banner Title: Community Dental Health
Students obtain a broad understanding of the health care system and an objective view of the social, political, psychological, and economic forces directing the system. This course prepares students to promote oral health and prevent oral disease in a community by meeting specific dental health needs of community groups. Topics include epidemiology, community dental care assessment, community dental care provision, preventive counseling for groups, group oral health education, terminology, dental care systems, biostatistics, and concepts of dental research.

Prerequisite: DHY 125 with a grade of C or better

Corequisites: DHY 211, DHY 215

Offered Fall term

DHY 211

Biochemistry and Nutrition Fundamentals (3-0-3)

Banner Title: Biochemistry and Nutrition

This course provides a basic introduction to organic chemistry and biochemistry. Students become familiar with the role of nutrition in the human body. This course emphasizes the role of dental hygienists as nutrition educators. Topics include nutritional aspects, nutritional disorders, diet assessment, molecular structure, carbohydrates, proteins, nutrition and digestion, and bioenergetics.

Prerequisites: DHY 125 with a grade of C or better

Corequisites: DHY 207, DHY 215

Offered Fall term

DHY 215

Clinical Dental Hygiene IV (2-12-6)

Banner Title: Clinical Dental Hygiene IV
This course provides continued development of skills necessary to perform dental hygiene care. Instructors place emphasis on the treatment of patients with special needs, total patient care, and treatment planning. This course reflects the content of courses DHY 213 (lecture component) and DHY 214 (lab component) in the Technical College System of Georgia curriculum for Dental Hygiene.

Prerequisite: DHY 125 with a grade of C or better

Corequisites: DHY 207, DHY 211

Offered Fall term

DHY 230

Clinical Dental Hygiene V (2-12-6)

Banner Title: Clinical Dental Hygiene V
This course continues the development of clinical skills necessary to perform den-

tal hygiene care. Topics include tobacco and tobacco cessation, principles learned in previous coursework, continuance of special needs patients incorporated in case studies, national written boards, and regional and state testing criteria. Instructors emphasize case studies to provide insights into the complex issues of patient care and to stimulate critical thinking. This course reflects the content of courses DHY 220 (lecture component) and DHY 221 (lab component) in the Technical College System of Georgia curriculum for Dental Hygiene.

Prerequisite: DHY 215 with a grade of C or better, SOC 1101

Offered Winter term

DHY 245

Clinical Dental Hygiene VI (1-15-6)

Banner Title: Clinical Dental Hygiene VI
Students refine their clinical techniques and skills, technology, and current procedural practices of dental hygienists with emphasis on self-evaluation and quality assurance.

Prerequisite: DHY 230 with a grade of C or better

Prerequisites/Corequisites: PSY 1101, ENG 1105 or SPC 1101, SOC 1101

Offered Spring term

ENGLISH

Department Code: ENG

ENG 1101

Composition and Rhetoric (5-0-5)

Banner Title: Composition and Rhetoric
Students practice various modes of writing ranging from exposition to argumentation and persuasion. The course also explores the analysis of literature and articles about issues in the humanities and in society. The course includes a review of standard grammatical and stylistic usage in proofreading and editing. An introduction to library resources lays the foundation for research. Topics covered in the course include writing analysis and practice, revision, and research. Students write a research paper using library resources and using a formatting and documentation style appropriate to the purpose and audience.

Prerequisites: ENG 099 with a grade of C or better and RDG 098 with a grade of C* or better or placement by diagnostic testing*

Offered quarterly

ENG 1102

Literature and Composition (5-0-5)

Banner Title: Literature and Composition

This course emphasizes the ability of

students to read literature analytically and meaningfully and to communicate clearly. Students analyze the form and content of literature in historical and philosophical contexts. Topics include reading and analysis of fiction, poetry, and drama; research, and writing about literature.

Prerequisite: ENG 1101 with a grade of C or better

Offered quarterly

ENG 1105

Technical Communications (5-0-5)

Banner Title: Technical Communications
This course emphasizes practical knowledge of technical communications techniques, procedures, and reporting formats used in industry and business. Topics include reference use and research, device and process description, formal technical report writing, business correspondence, and oral technical report presentation.

Prerequisite: ENG 1101 with a grade of C or better

Offered quarterly

HUMANITIES

Department Code: HUM

HUM 1101

Introduction to Humanities (5-0-5)

Banner Title: Introduction to Humanities

This course explores the philosophic and artistic heritage of humanity expressed through a historical perspective on visual arts, music, and literature. Instructors present the humanities as a source of subjective insights for the understanding of people and society. Topics include historical and cultural developments and contributions of the humanities. Students will complete a research project as part of this course.

Prerequisite: ENG 1101 with a grade of C or better

Offered Fall, Winter, and Spring terms

MATHEMATICS

Department Code: MAT

MAT 1100

Quantitative Skills and Reasoning (5-2-6)

Banner Title: Quantitative Skills/Reasoning

MAT 1100 is an overview course covering algebra, statistics, and the mathematics of finance. Topics include fundamental operations of algebra, sets and logic, probability and statistics, geometry, math-

ematics of voting and districting, and the mathematics of finance.

Prerequisite: MAT 097 with a grade of C or better and/or MAT 099 with a grade of C* or better or placement by diagnostic testing*

Offered annually

MAT 1111

College Algebra (5-0-5)

Banner Title: College Algebra

This course emphasizes techniques of problem solving using algebraic concepts. Topics include fundamental concepts of algebra, equations and inequalities, functions and graphs, systems of equations, analytic geometry, and optional topics, including sequences, series, and probability.

Prerequisite: MAT 097 with a grade of C or better and/or MAT 099 with a grade of C* or better or placement by diagnostic testing*

Offered Quarterly

PSYCHOLOGY

Department Code: PSY

PSY 1101

Introduction to Psychology (5-0-5)

Banner Title: Introduction to Psychology

This course emphasizes the basics of psychology. Topics include the science of psychology; social environments; life stages; physiology and behavior; personality; emotions and motives; conflicts, stress, and anxiety; abnormal behavior; and perception, learning, and intelligence.

Prerequisites: ENG 099 with a grade of C or better and RDG 098 with a grade of C* or better or placement by diagnostic testing*

Offered quarterly

SCIENCE AND TECHNOLOGY

Department Code: SCT

SCT 100

Introduction to Microcomputers (1-4-3)

Banner Title: Intro to Microcomputers

This course introduces the fundamental concepts and operations necessary to use microcomputers. Course content emphasizes basic functions and familiarity with computer use. Topics include computer terminology and an introduction to the Windows environment, networking, word processing, spreadsheets, presentation graphics, and databases.

Prerequisite: Provisional admission

Offered quarterly

SOCIOLOGY

Department Code: SOC

SOC 1101

Introduction to Sociology (5-0-5)

Banner Title: Introduction to Sociology

This course provides students with a sociological analysis of society, its culture, and structure. Instructors present sociology as a science with emphasis placed on its methodology and theoretical foundations. Topics include basic sociological concepts, socialization, social interaction and culture, social groups and institutions, deviance and social control, social stratification, social change, and marriage and family.

Prerequisites: ENG 099 with a grade of C or better and RDG 098 with a grade of C* or better or placement by diagnostic testing*

Offered quarterly

SPEECH

Department Code: SPC

SPC 1101

Public Speaking (5-0-5)

Banner Title: Public Speaking

This course introduces the fundamentals of oral communication. Topics include selection and organization of materials, preparation and delivery of individual and group presentations, and analysis of ideas presented by others, and professionalism.

Prerequisites: ENG 099 with a grade of C or better and RDG 098 with a grade of C* or better or placement by diagnostic testing*

Offered quarterly