

# Applied Technology A.A.S.\*\*

## — Pre-Nursing Suggested Plan of Study

\*\*When a student graduates with this degree the diploma will read A.A.S. in "Applied Technology". The general education courses within this sequence will easily transfer into a four year degree program within the State of Oklahoma.

### Program Description

This degree is designed for students who want the Associate in Applied Science degree but whose previously earned college credit, goals or backgrounds are not supported by other A.A.S. programs. Also, students not yet certain of their major can pursue the Associate in Applied Science degree, obtain core general education credits and pick up basic skills required for most professional careers today. Students graduate with 21 hours of general education courses and 30 hours of technical occupational specialty core courses.

### Degree Awarded

Associate in Applied Science

### For More Information Contact:

Dr. Teri Ferguson, Division Head  
 Arts & Sciences Division  
 Learning Resource Center, Room 331  
 900 N. Portland Avenue  
 Oklahoma City, OK 73107  
 405-945-3256  
 Fax: 405-945-9141  
 arts.sciences@osuokc.edu

### Technical Occupational Specialty

This plan of study requires the following courses plus 5 credit hours of related electives.

Course work must include the following:

			30 Credit Hours	Date	Institution
<input type="checkbox"/>	BIOL 1214	Human anatomy w/Lab	4		
<input type="checkbox"/>	CHEM 1214	Chemistry I	4		
<input type="checkbox"/>	<b>OR</b>				
<input type="checkbox"/>	CHEM 1314	General Chemistry I	4		
<input type="checkbox"/>	MCRO 2124	Introduction to Microbiology	4		
<input type="checkbox"/>	NSCI 1113	Basic Human Nutrition	3		
<input type="checkbox"/>	PSIO 2314	Human Physiology	4		
<input type="checkbox"/>	PSYC 2213	Lifespan Human Development	3		
<input type="checkbox"/>	PSYC 2113	Psychology of Adjustment	3		
<b>Choose at least 5 credit hours from these related electives:</b>					
<input type="checkbox"/>	BIOL 1012	Medical Terminology	2		
<input type="checkbox"/>	CHEM 1515	General Chemistry II	5		
<input type="checkbox"/>	STAT 2013	Elementary Statistics	3		
<input type="checkbox"/>	HCM 1143	Health Care Systems/Operations	3		
<input type="checkbox"/>	PSYC 2453	Special Topics-Ethical Issues in the Helping Professions	3		

### Guided Electives

			12 Credit Hours	Date	Institution
<input type="checkbox"/>	CIS 1113	Computer Concepts with Applications	3		
<input type="checkbox"/>	Any college level science course with lab		3-4		
<input type="checkbox"/>	Any college level humanities course		3		
<input type="checkbox"/>	SPCH 1113	Introduction to Speech	3		

Other courses may be substituted with departmental approval.

### General Education Courses

			21 Credit Hours	Date	Institution
<input type="checkbox"/>	ENGL 1113	English Composition I	3		
<input type="checkbox"/>	ENGL 1213	English Composition II	3		
<input type="checkbox"/>	<b>OR</b>				
<input type="checkbox"/>	ENGL 2333	Introduction to Technical Report Writing	3		
<input type="checkbox"/>	HIST 1483	U.S. History to 1865	3		
<input type="checkbox"/>	<b>OR</b>				
<input type="checkbox"/>	HIST 1493	U.S. History Since 1865	3		
<input type="checkbox"/>	MATH 1513	College Algebra	3		
<input type="checkbox"/>	POLS 1113	American Government	3		
<input type="checkbox"/>	PSYC 1113	Introductory Psychology	3		
<input type="checkbox"/>	SOC 1113	Introductory Sociology	3		

**Total to Graduate**

**63 Credit Hours**

Student Name: \_\_\_\_\_

CWID: \_\_\_\_\_

Counselor: \_\_\_\_\_

## APPLIED TECHNOLOGY AAS-PRE-NURSING PLAN OF STUDY COURSE DESCRIPTIONS

### **BIOL 1012 BIOLOGICAL AND MEDICAL TERMINOLOGY**

Introduction to the use of Latin and Greek common roots, stems and combining forms in structuring biological and medical terminology. Prerequisites: [R] [Sci]

### **BIOL 1214 HUMAN ANATOMY**

Morphology of the human body and its systems. Laboratory includes dissection and study of the human cadaver. Prerequisite: [R] [SCI] Math 0104.

### **CHEM 1214 CHEMISTRY I (L, N)**

Beginning chemistry course recommended for students in applied sciences (including paramedical sciences). Lab: two hours per week. Lab recitation: one hour per week. Prerequisites: [R] [M] [Sci]

### **CHEM 1314 GENERAL CHEMISTRY I (L, N)**

The beginning chemistry course recommended for students in basic biological sciences (including pre-medical sciences and pre-veterinary science), physical sciences and engineering. Lab: two hours per week. Lab recitation: one hour per week. Prerequisites: [R] MATH 1513 and CHEM 1104.

### **CHEM 1515 GENERAL CHEMISTRY II (L, N)**

A continuation of CHEM 1314. Lab: three hours per week. Prerequisite: CHEM 1314 or advanced placement.

### **\*CIS 1113 COMPUTER CONCEPTS WITH APPLICATIONS**

Provides students with an introduction to concepts and applications of the personal computer in business. Topics include spreadsheets, databases, word processing, ethics, vocabulary, Internet skills and file system management. Theory and hands-on computer instruction is included. This introductory course is intended for students with existing computer skills. Prerequisite: READ 0033 or [R].

### **HCM 1143 HEALTH CARE SYSTEMS/OPERATIONS**

An overview of health care delivery systems including different models and components and their applications. A brief historical summary, the interface of public and private organizations and review of the various personnel who comprise these systems, will be examined in relation to their impact on health care delivery.

### **MCRO 2124 INTRODUCTION TO MICROBIOLOGY**

Introductory study of general principles of microbiology. Lab: three hours per week. Prerequisite: four hours of biological or physiological science and CHEM 1214 or CHEM 1314.

### **NSCI 1113 BASIC HUMAN NUTRITION (N)**

Study of the functions of the nutrients in human life processes and the nutrient relationship to health as a basis for food choices. Open to all students.

### **PSIO 2314 HUMAN PHYSIOLOGY**

Structure and function of the systems of the human body. Lab: three hours per week. Prerequisite: CHEM 1214 or CHEM 1314.

### **PSYC 2113 PSYCHOLOGY OF ADJUSTMENT (S)**

Principles of the study of adjustment and behavior. Examines psychological process of coping and adapting to everyday life types of problems to include conflicts, pressures and challenges. Some emphasis will be placed on a sociocultural approach to managing adjustment by examining the factors of culture, ethnicity and gender. Prerequisite: PSYC 1113.

### **PSYC 2213 LIFESPAN HUMAN DEVELOPMENT (S)**

Study of the life span of humans. Emphasizes both experimental and theoretical approaches to the study of cognitive, personality, social, perceptual and physical development from conception to death. Prerequisite: PSYC 1113.

### **PSYC 2451-2456 SPECIAL TOPICS**

One to six credits, six credits maximum. Variable course credit of one to six hours. Examines contemporary issues and problems within psychology. This course may be cross-listed with other technical problems or special topics sections.

### **SPCH 1113 INTRODUCTION TO SPEECH COMMUNICATION (S)**

Principles and techniques of preparation, participation in and evaluation of communication behavior in conversation, the interview, group discussion and public speech. A competency-based approach. Prerequisites: [R] [W]

### **STAT 2013 ELEMENTARY STATISTICS (A)**

Introduction to the theory and methods of statistics. Descriptive measures, elementary probability, samplings, estimation, hypothesis testing, correlation and regression. Prerequisite: MATH 1513 or equivalent [R].