

CAREER FIELDS AND TECHNOLOGY PROGRAMS

CAREER FIELDS

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TECH PREP

Tech Prep allows students to earn college credit while in high school. The Tech Prep multi-year planned sequence of study for a technical field begins in high school and extends through one or two years of a Temple College technical occupational program following the high school instruction, and results in a certificate or associate degree. Temple College's Tech Prep program also provides students with the opportunity to transfer to a university.

Tech Prep requires a formal and program-specific articulation agreement between the high school and Temple College. The articulation agreement is a commitment for school districts and Temple College to jointly develop and implement Tech Prep curricula and instruction. Tech Prep prepares students for direct entry into the workplace as technically skilled employees or, with appropriate arrangements, for further education leading to baccalaureate and advanced degrees.

Students are encouraged to contact their high school career and technology teacher or counselor for Tech Prep programs in their high school that are approved by the Texas Education Agency (TEA) and the Texas Higher Education Coordinating Board (THECB).

The steps a student should follow to participate in Tech Prep are:

1. Pick a career path from one of the occupational clusters while in high school; Health Science Professions, Business/Office Professions, Industry/Technology, Personal/Protective Services.
2. Register while in high school to take Tech Prep course work during the junior or senior year;

After high school graduation,

3. Enroll in the Tech Prep program at Temple College that offers the appropriate career pathway and articulate high school Tech Prep course work into college course work.
4. File a degree plan and complete the college course work for the certificate or associate degree program.

Temple College has articulated in conjunction with independent school districts the following career and technical programs:

- Biotechnology
- Child Development
- Computer-Aided Design
- Computer Information Systems: Computer Technology – Entertainment and Business Software Development
- Computer Information Systems: Computer Technology - Computer Applications Technology
- Computer Information Systems: Computer Technology - Network Administration Option
- Computer Information Systems: Computer Technology - Repair Technician Option
- Computer Information Systems: Computer Technology - Web Technology
- Criminal Justice
- General Business
- Geographic Information Systems
- Management

For more information about Tech Prep career preparation programs at Temple College, contact your high school career and technology teacher or counselor or Temple College's Tech Prep office.

BUSINESS/GENERAL
ASSOCIATE OF APPLIED SCIENCE DEGREE
General Business

FIRST YEAR**First Semester**

ACNT 1303	Introduction to Accounting I.....	3
ENGL 1301	Composition I.....	3
HRPO 1311	Human Relations	3
HRPO 2301	Human Resource Management	3
POFT 1429	Beginning Keyboarding	4
Elective	Technical	3
	Total Hours	19

Second Semester

ACNT 1311	Introduction to Computerized Accounting	3
BMGT 1325	Office Management	3
BUSI 1301	Business Principles	3
ENGL 2311	Technical & Business Writing.....	3
POFT 2401	Intermediate Keyboarding	4
	Total Hours	16

SECOND YEAR**Third Semester**

ACCT 2401	Principles of Accounting I - Financial.....	4
BCIS 1405	Business Computer Applications or ITSC 1309.....	3-4
BUSI 1307	Personal Finance.....	3
BUSI 2301	Business Law	3
BMGT 1341	Business Ethics	3
	Total Hours	16-17

Fourth Semester

ACCT 2402	Principles of Accounting II - Managerial	4
BUSI 2302	Legal Environment of Business	3
MATH 1332	Contemporary Mathematics I or Science.....	3
Elective	Social/Behavioral Science	3
Elective	Humanities/Fine Arts.....	3
	Total	16
	Grand Total.....	67-68

SUGGESTED TECHNICAL ELECTIVES

BMGT 1301	Supervision
BMGT 1327	Principles of Management
BMGT 2309	Leadership
BUSG 1301	Introduction to Business
BUSG 2309	Small Business Management
HRPO 2307	Organizational Behavior
ITSC 1315	Project Management Software
ITSW 1304	Introduction to Spreadsheets
ITSW 1307	Introduction to Database
ITSW 1310	Introduction to Presentation Graphics Software
ITSW 2337	Advanced Database
MRKG 1302	Principles of Retailing
MRKG 1311	Principles of Marketing
MRKG 1313	Public Relations
MRKG 2349	Advertising and Sales Promotion
POFT 1301	Business English
POFT 1309	Administrative Office Procedures I
POFT 2312	Business Correspondence and Communication

SUGGESTED SOCIAL/BEHAVIORAL SCIENCE ELECTIVES

ANTH	Anthropology
ECON	Economics
GEOG	Geography
PSYC	Psychology
SOCI	Sociology

SUGGESTED HUMANITIES/FINE ARTS ELECTIVES

ARTS	1301	Art Appreciation
ARTS	1303	Art History I
HUMA	1301	Introduction to Humanities I
HUMA	1302	Introduction to Humanities II
MUSI	1306	Music Appreciation
MUSI	1310	American Music
PHIL	2306	Introduction to Ethics

**LEVEL - I CERTIFICATE (TSI WAIVED)
Administrative Assistant**

First Semester

BCIS	1405	Business Computer Applications.....	4
HRPO	1311	Human Relations	3
POFT	1301	Business English.....	3
POFT	1309	Administrative Office Procedures I	3
POFT	1429	Beginning Keyboarding	4
		Total Hours	17

Second Semester

BMGT	1325	Office Management	3
POFT	1313	Professional Development for Office Personnel.....	3
POFT	2312	Business Correspondence and Communication	3
POFT	2401	Intermediate Keyboarding	4
Elective		Technical	3
Elective		Technical	3
		Total Hours	19
		Grand Total	36

SUGGESTED TECHNICAL ELECTIVES

ACNT	1303	Introduction to Accounting I
ACNT	1311	Introduction to Computerized Accounting
BMGT	1301	Supervision
BMGT	1327	Principles of Management
BMGT	1341	Business Ethics
BMGT	2309	Leadership
BUSG	1301	Introduction to Business
BUSG	2309	Small Business Management
HRPO	2301	Human Resource Management
IMED	1316	Web Design I
IMED	2309	Internet Commerce
ITSC	1315	Project Management Software
ITSW	1304	Introduction to Spreadsheets
ITSW	1307	Introduction to Database
ITSW	1310	Introduction to Presentation Graphics Software
ITSW	2337	Advanced Database
MRKG	1302	Principles of Retailing
MRKG	1311	Principles of Marketing
MRKG	1313	Public Relations
MRKG	2349	Advertising and Sales Promotion
POFT	1380	Cooperative Education

**LEVEL - I CERTIFICATE (TSI WAIVED)
Office Management**

First Semester

BMGT	1382	Cooperative Education I.....	3
HRPO	1311	Human Relations	3
HRPO	2301	Human Resource Management	3
BMGT	1341	Business Ethics	3
Elective		Technical	3
		Total Hours	15

Second Semester

BMGT 1301	Supervision.....	3
BMGT 1327	Principles of Management.....	3
BMGT 1325	Office Management	3
BMGT 1383	Cooperative Education II.....	3
Elective	Technical	3
	Total Hours	15

Third Semester

BMGT 2382	Cooperative Education III.....	3
	Grand Total.....	33

SUGGESTED TECHNICAL ELECTIVES

ACNT 1303	Introduction to Accounting I
ACNT 1311	Introduction to Computerized Accounting
BCIS 1405	Business Computer Applications
BMGT 2309	Leadership
BUSG 1301	Introduction to Business
BUSG 2309	Small Business Management
HRPO 2307	Organizational Behavior
MRKG 1302	Principles of Retailing
MRKG 1311	Principles of Marketing
MRKG 1313	Public Relations
MRKG 2349	Advertising and Sales Promotion
IMED 1316	Web Design I
ITSC 1309	Integrated Software Applications I
ITSC 1315	Project Management Software
ITSW 1304	Introduction to Spreadsheets
ITSW 1307	Introduction to Database
ITSW 1310	Introduction to Presentation Graphics Software
ITSW 2337	Advanced Database
POFT 1301	Business English
POFT 1309	Administrative Office Procedures I
POFT 1429	Beginning Keyboarding
POFT 2312	Business Correspondence and Communication
POFT 2401	Intermediate Keyboarding

BUSINESS/MANAGEMENT
ASSOCIATE OF APPLIED SCIENCE DEGREE
Management

The curriculum in management is designed to develop the fundamental skills, knowledge, attitude, and experience which combines academic training with practical on-the-job training compatible with the student's career objective. Students will be allowed to take only one Cooperative Education Course each semester.

FIRST YEAR**First Semester**

BMGT 1382	Cooperative Education I.....	3
BUSG 1301	Introduction to Business	3
ENGL 1301	Composition I.....	3
MRKG 1311	Principles of Marketing	3
POFT 1429	Beginning Keyboarding	4
	Total Hours	16

Second Semester

BMGT 1301	Supervision.....	3
BMGT 1327	Principles of Management.....	3
BMGT 1383	Cooperative Education II.....	3
ENGL 2311	Technical & Business Writing.....	3
Elective	Business/Management.....	3
	Total Hours	15

SECOND YEAR**Third Semester**

BCIS 1405	Business Computer Applications or ITSC 1309.....	3-4
BMGT 2382	Cooperative Education III.....	3

HRPO 2301	Human Resource Management	3
HRPO 2307	Organizational Behavior	3
Elective	Free Elective	3
	Total Hours	15-16
Fourth Semester		
BMGT 1341	Business Ethics	3
BMGT 2309	Leadership	3
MATH 1332	Contemporary Mathematics I or Science.....	3
Elective	Social/Behavioral Science	3
Elective	Humanities/Fine Arts.....	3
Elective	Free Elective	3
	Total Hours	18
	GRAND TOTAL	64-65

SUGGESTED BUSINESS/MANAGEMENT ELECTIVES

ACNT 1303	Introduction to Accounting I
ACNT 1311	Introduction to Computerized Accounting
BMGT 1305	Communications in Management
BMGT 1325	Office Management
BMGT 2303	Problem Solving and Decision Making
BMGT 2331	Principles of Quality Management
BMGT 2341	Strategic Management
BUSG 2309	Small Business Management
HRPO 1311	Human Relations
MRKG 1302	Principles of Retailing
MRKG 1313	Public Relations
MRKG 2349	Advertising and Sales Promotion

SUGGESTED SOCIAL/BEHAVIORAL SCIENCE ELECTIVES

ANTH	Anthropology
ECON	Economics
GEOG	Geography
PSYC	Psychology
SOCI	Sociology

**LEVEL I - CERTIFICATE (TSI WAIVED)
Management**

First Semester		
BMGT 1382	Cooperative Education I.....	3
BUSG 1301	Introduction to Business	3
HRPO 2307	Organizational Behavior	3
MRKG 1311	Principles of Marketing	3
Elective	Business/Management.....	3
	Total Hours	15
Second Semester		
BMGT 1301	Supervision.....	3
BMGT 1327	Principles of Management.....	3
BMGT 1383	Cooperative Education II.....	3
BMGT 2309	Leadership	3
	Total Hours	12
Third Semester		
BMGT 2382	Cooperative Education III	3
	GRAND TOTAL	30

SUGGESTED ELECTIVES

ACNT 1303	Introduction to Accounting I
ACNT 1311	Introduction to Computerized Accounting
BMGT 1305	Communications in Management
BMGT 1325	Office Management
BMGT 1341	Business Ethics
BMGT 2303	Problem Solving and Decision Making
BMGT 2331	Principles of Quality Management
BMGT 2341	Strategic Management
BUSG 2309	Small Business Management
HRPO 1311	Human Relations
HPRO 2301	Human Resource Management

MRKG	1302	Principles of Retailing
MRKG	1313	Public Relations
MRKG	2349	Advertising and Sales Promotion

LEVEL I - CERTIFICATE (TSI WAIVED)
Small Business Management

First Semester

BMGT	1382	Cooperative Education I.....	3
HRPO	2301	Human Resource Management	3
MRKG	1311	Principles of Marketing	3
MRKG	1313	Public Relations.....	3
Elective		Business/Management.....	3
		Total Hours	15

Second Semester

BMGT	1383	Cooperative Education II.....	3
MRKG	2349	Advertising and Sales Promotion.....	3
BUSG	2309	Small Business Management.....	3
BMGT	1341	Business Ethics	3
		Total Hours	12

Third Semester

BMGT	2382	Cooperative Education III.....	3
		GRAND TOTAL	30

SUGGESTED BUSINESS/MANAGEMENT ELECTIVES

ACNT	1303	Introduction to Accounting I
ACNT	1311	Introduction to Computerized Accounting
BMGT	1301	Supervision
BMGT	1327	Principles of Management
BMGT	1305	Communications in Management
BMGT	1325	Office Management
BMGT	2303	Problem Solving and Decision Making
BMGT	2309	Leadership
BMGT	2331	Principles of Quality Management
BMGT	2341	Strategic Management
BUSG	1301	Introduction to Business
HRPO	1311	Human Relations
HRPO	2307	Human Resource Management
MRKG	1302	Principles of Retailing

ASSOCIATE OF APPLIED SCIENCE DEGREE**Child Development**

*Students planning to continue at a senior college or university should take TECA courses.

First Semester

ENGL	1301	Composition I.....	3
CDEC	1311	Educating Young Children* or TECA 1311	3
CDEC	1354	Child Growth and Development* or TECA 1354	3
CDEC	1358	Creative Arts for Early Childhood	3
CDEC	1421	The Infant and Toddler.....	4
		Total Hours	16

Second Semester

ENGL	2311	Technical and Business Writing.....	3
CDEC	1303	Families, School and Community* or TECA 1303	3
CDEC	1413	Curriculum Resources for Early Childhood Programs	4
CDEC	1419	Child Guidance.....	4
CDEC	2307	Math and Science for Early Childhood	3
Elective		Child Development Elective	3
		Total Hours	20

SECOND YEAR**First Semester**

CDEC	1356	Emergent Literacy for Early Childhood	3
CDEC	1359	Children with Special Needs.....	3
CDEC	2326	Administration of Programs for Children I	3
Elective		Fine Arts or Humanities.....	3
Elective		Social/Behavioral Science	3
		Total Hours	15

Second Semester

MATH	1332	Contemporary Mathematics I	3
CDEC	1318	Wellness of the Young Child* or TECA 1318	3
CDEC	2364	Practicum – Child Development	3
CDEC	2441	The School-Age Child.....	4
CDEC	2315	Diverse Cultural/Multilingual Education	3
		Total Hours	16
		GRAND TOTAL	67

Suggested Child Development Electives

CDEC	1317	Child Development Associate Training I
CDEC	1343	Independent Study in Child Development
CDEC	2322	Child Development Associate Training II
CDEC	2324	Child Development Associate Training III
CDEC	2328	Administration of Programs for Children II
ITSC	1309	Integrated Software Applications I**

*Equivalent TECA course may be substituted

** Equivalent BCIS or COSC may be substituted.

CHILD DEVELOPMENT
 Early Childhood Education
LEVEL - I CERTIFICATE (TSI WAIVED)
 Child Development/Early Childhood Certificate

FIRST YEAR**First Semester**

CDEC	1311	Educating Young Children* or CDEC 1317	3
CDEC	1354	Child Growth and Development*	3
CDEC	1356	Emergent Literacy for Early Childhood	3
CDEC	1358	Creative Arts for Early Childhood or CDEC 2324	3
CDEC	1421	The Infant and Toddler.....	4
		Total Hours	16

Second Semester

CDEC	1318	Wellness of the Young Child* or CDEC 2322.....	3
CDEC	1413	Curriculum Resources for Early Childhood Programs	4
CDEC	1419	Child Guidance.....	4
CDEC	2307	Math and Science for Early Childhood	3
Elective		Child Development.....	3-4
		Total Hours	17-18
		GRAND TOTAL	33-34

*Equivalent TECA course may be substituted.

Suggested Child Development Electives

CDEC	1303	Families, School and Community*
CDEC	1317	Child Development Associate Training I
CDEC	1359	Children with Special Needs
CDEC	2315	Diverse Cultural/Multilingual Education
CDEC	2322	Child Development Associate Training II
CDEC	2324	Child Development Associate Training III
CDEC	2441	The School Age Child
ITSC	1309	Integrated Software Applications I**

*Equivalent TECA course may be substituted.

** Equivalent BCIS or COSC may be substituted.

LEVEL - I CERTIFICATE (TSI WAIVED)
Administration Certificate in Child Development

FIRST YEAR**First Semester**

CDEC	1311	Educating Young Children*	3
CDEC	1354	Child Growth and Development*	3
CDEC	1359	Children with Special Needs.....	3
CDEC	1421	The Infant and Toddler.....	4
CDEC	2326	Administration of Programs for Children I	3
		Total Hours	16

Second Semester

CDEC	1318	Wellness of the Young Child*	3
Elective		Child Development Elective	3
CDEC	1413	Curriculum Resources for Early Childhood Programs	4
CDEC	1419	Child Guidance.....	4
CDEC	2328	Administration of Programs for Children II	3
BMGT	1301	Supervision.....	3
		Total Hours	20
		GRAND TOTAL	36

Suggested Child Development Electives

CDEC	1303	Families, School and Community*
CDEC	1317	Child Development Associate Training I
CDEC	1356	Emergent Literacy for Early Childhood
CDEC	1358	Creative Arts for Early Childhood
CDEC	2307	Math and Science for Early Childhood
CDEC	2315	Diverse Cultural/Multilingual Education
CDEC	2322	Child Development Associate Training II
CDEC	2324	Child Development Associate Training III
CDEC	2441	The School Age Child
ITSC	1309	Integrated Software Applications I**

*Equivalent TECA course may be substituted

** Equivalent BCIS or COSC may be substituted.

**THE CHILD DEVELOPMENT ASSOCIATE NATIONAL
 CREDENTIALING PROGRAM (CDA)**

Training is provided for individuals interested in the CDA Credential. The program focuses on the skills of care and education of the young child and is designed to provide performance based training, assessment, and credentialing of childcare staff, home visitors, and family child care providers. The CDA Program represents a national effort to credential qualified caregivers/teachers who work with children from birth through age five.

CDEC	1317	Child Development Associate Training I.....	3
CDEC	2322	Child Development Associate Training II	3
CDEC	2324	Child Development Associate Training III	3

A passing grade in CDA I, II, III does not guarantee the CDA credential will be awarded to the candidate. The council for Early Childhood Professional Recognition headquartered in Washington, D.C. awards the CDA Credential.

Students who have passed with a C or better, CDEC 1317, CDEC 2322, and CDEC 2324 and have been awarded the CDA credential and wish to continue Child Development certificate or degree programs, may substitute the three associate training courses for the following three courses: CDEC 1311 Educating Young Children; CDEC 1318 Wellness of the Young Child; and/or CDEC 1358 Creative Arts for Early Childhood.

COMPUTER-AIDED DESIGN
ASSOCIATE OF APPLIED SCIENCE DEGREE
 Computer-Aided Design

The Computer-Aided Design (CAD) program is designed to give students entry-level design skills in five areas. These are manufacturing, electronics, architecture, civil engineering, and geographic information systems.

Drawings are produced using sketching techniques and/or CAD software. Applications software used in this program includes Pro/ENGINEER®, AutoCAD®, ArcView GIS®, and Microsoft Office.

FIRST YEAR**First Semester**

DFTG 1305	Technical Drafting	3
DFTG 1309	Basic Computer-Aided Drafting.....	3
ENGL 1301	Composition I.....	3
GISC 1311	Introduction to Geographic Information Systems (GIS) .	3
ITSC 1309	Integrated Software Applications I or Technical Elective	3
SRVY 1315	Surveying Calculations	3
	Total	18

Second Semester

DFTG 1317	Architectural Drafting-Residential.....	3
DFTG 1358	Electrical/Electronics Drafting	3
DFTG 2302	Machine Drafting.....	3
DFTG 2319	Intermediate Computer-Aided Drafting.....	3
DFTG 2321	Topographical Drafting.....	3
ENGL 2311	Technical & Business Writing.....	3
	Total	18

SECOND YEAR**Third Semester**

DFTG 2308	Instrumentation Drafting.....	3
DFTG 2312	Technical Illustration & Presentation or ARTC 1313	3
DFTG 2328	Architectural Drafting-Commercial	3
ITSC 1315	Project Management Software.....	3
Elective	MATH	3
Elective	Humanities/Fine Arts	3
	Total	18

Fourth Semester

DFTG 2330	Civil Drafting.....	3
DFTG 2340	Solid Modeling/Design.....	3
DFTG 2350	Geometric Dimensioning and Tolerancing	3
Elective	Social or Behavioral Science.....	3
Elective	Program Related	3
	Total Hours	15
	GRAND TOTAL	69

SUGGESTED PROGRAM RELATED ELECTIVES

GISC 2320	Intermediate Geographic Information Systems
ENVR 1301	Environmental Science
DFTG 2306	Machine Design
DFTG 2438	Final Project-Advanced Drafting
DFTG 2380	Cooperative Education-Drafting and Design Technology/Technician, General
SRVY 1301	Introduction to Surveying

LEVEL I – CERTIFICATE (TSI WAVED)
 Computer-Aided Design

The Computer-Aided Design Certificate is designed to train experienced and aspiring professionals in various engineering fields to use CAD® software to produce designs, drawings, illustrations, and presentations.

FIRST YEAR**First Semester**

DFTG 1305	Technical Drafting	3
DFTG 1309	Basic Computer-Aided Drafting.....	3
GISC 1311	Introduction to Geographic Information Systems (GIS) .	3
ITSC 1309	Integrated Software Applications I or Technical Elective*	3

SRVY	1315	Surveying Calculations	3
		Total	15
Second Semester			
DFTG	1317	Architectural Drafting-Residential.....	3
DFTG	1358	Electrical/Electronics Drafting	3
DFTG	2302	Machine Drafting.....	3
DFTG	2319	Intermediate Computer-Aided Drafting.....	3
DFTG	2321	Topographical Drafting.....	3
		Total	15
		GRAND TOTAL	30

COMPUTER INFORMATION SYSTEMS

This curriculum in Computer Information Systems is designed to develop the fundamental skills, knowledge, and experience which prepares the student for positions in the field of computer information systems and their use on the job. The program combines classroom lecture along with the hands-on experience to give the students practical knowledge of computer systems. Students may pursue a Certificate of Completion or the Associate Degree in several areas.

Note: For all degrees and certificates, students who lack keyboarding skills and/or did not pass the reading portion of the Texas Success Initiative should take POFT 1429 Beginning Keyboarding, prior to enrolling in the program.

**ASSOCIATE OF APPLIED SCIENCE DEGREE
COMPUTER TECHNOLOGY
Computer Applications Technology**

FIRST YEAR

First Semester

ITSC	1301	Introduction to Computers or BCIS 1405	3-4
ITSE	1329	Programming Logic and Design*	3
ENGL	1301	Composition I.....	3
ITSC	1309	Integrated Software Applications I*	3
Elective		Social/Behavioral Science	3
		Total Hours	15-16

Second Semester

ITSE	1331	Introduction to Visual BASIC Programming*	3
ITSW	1301	Introduction to Word Processing	3
IMED	1316	Web Design I	3
ITSC	1315	Project Management Software.....	3
ENGL	2311	Technical and Business Writing or ENGL 1302**	3
BMGT	1327	Principles of Management.....	3
		Total Hours	18

SECOND YEAR

Third Semester

ITSC	1305	Introduction to PC Operating Systems.....	3
ITSE	1350	System Analysis and Design*	3
ITSW	1307	Introduction to Database	3
ITSW	1310	Introduction to Presentation Graphics Software or ARTC 1313	3
Elective		Technical	3
		Total Hours	15

Fourth Semester

ITSW	1304	Introduction to Spreadsheets.....	3
ITSC	2486	Internship – Computer & Information Sciences, General	4
Elective		Humanities/Fine Arts.....	3
Elective		MATH (College Level)	3
Elective		Technical	3
Elective		Technical	3
		Total Hours	19
		GRAND TOTAL	67-68

*Equivalent COSC or BCIS course may be substituted.

**Speech 1311, 1321, 1318, or 1315 must be taken also if the student chooses ENGL 1302

SUGGESTED TECHNICAL ELECTIVES

ARTC	1313	Digital Publishing I
ARTC	1325	Introduction to Computer Graphics
ARTV	1351	Digital Video
CPMT	1311	Intro to Computer Maintenance
CPMT	1345	Computer Systems Maintenance
CPMT	2449	Advanced Computer Networking Technology
IMED	2309	Internet Commerce
IMED	2311	Portfolio Development
IMED	2315	Web Design II
ITNW	1325	Fundamentals of Networking Technologies
ITNW	1454	Implementing and Supporting Servers
ITNW	1458	Network +
ITNW	2405	Network Administration
ITNW	2413	Networking Hardware
ITNW	2415	Wide Area Networks
ITSE	1356	Extensible Markup Language (XML)
ITSE	1402	Computer Programming
ITSE	1407	Introduction to C + + Programming
ITSE	2417	JAVA Programming
ITSE	2431	Advanced C + + Programming
ITSE	2449	Advanced Visual BASIC Programming
ITSE	2457	Advanced Object-Oriented Programming
ITSW	2337	Advanced Database

LEVEL I - CERTIFICATE (TSI WAIVED)
COMPUTER TECHNOLOGY
Computer Application Specialist

First Semester

ITSC	1301	Introduction to Computers or BCIS 1405	3-4
ITSC	1309	Integrated Software Applications I*	3
ITSW	1310	Introduction to Presentation Graphics Software or ARTC 1313	3
ITSW	1307	Introduction to Database	3
ITSW	1301	Introduction to Word Processing	3
ITSW	1304	Introduction to Spreadsheets	3
		GRAND TOTAL	18-19

*Equivalent COSC or BCIS course may be substituted

LEVEL I - CERTIFICATE (TSI WAIVED)
COMPUTER TECHNOLOGY
Database Specialist

First Semester

ITSC	1301	Introduction to Computers or BCIS 1405	3-4
ITSC	1309	Integrated Software Applications I*	3
ITSE	1329	Programming Logic and Design*	3
ITSW	1307	Introduction to Database	3
		Total Hours	12-13

Second Semester

ITSC	1315	Project Management Software	3
ITSE	1331	Introduction to Visual BASIC Programming*	3
ITSW	2337	Advanced Database (Oracle)	3
GISC	1311	Introduction to Geographic Information Systems (GIS)	3
Elective		Technical	3
		Total Hours	15
		GRAND TOTAL	27-28

*Equivalent COSC or BCIS course may be substituted.

SUGGESTED TECHNICAL ELECTIVES

ARTC	1325	Introduction to Computer Graphics
IMED	2311	Portfolio Development

ITNW	1325	Fundamentals of Networking Technologies
ITSW	1310	Introduction to Presentation Graphics Software
CPMT	2449	Advanced Computer Networking Technology

**LEVEL I - CERTIFICATE (TSI WAIVED)
COMPUTER TECHNOLOGY
Security Option**

First Semester

ITSC	1301	Introduction to Computers or BCIS 1405	3-4
ITSE	1331	Introduction to Visual BASIC Programming*	3
ITSC	1305	Introduction to PC Operating System	3
ITNW	1458	Network +	4
Elective		Technical	3
		Total Hours	16-17

Second Semester

ITSC	1315	Project Management Software.....	3
ITSY	2400	Operating System Security or CPMT 2449.....	4
ITSY	2301	Firewalls and Network Security.....	3
ITSY	2441	Security Management Practices.....	4
		Total Hours	14
		GRAND TOTAL	30-31

*Equivalent COSC or BCIS course may be substituted.

SUGGESTED TECHNICAL ELECTIVES

ARTC	1325	Introduction to Computer Graphics
IMED	2311	Portfolio Development
ITNW	1325	Fundamentals of Networking Technologies
ITSW	1310	Introduction to Presentation Graphics Software
CPMT	2449	Advanced Computer Networking Technology

**LEVEL I - CERTIFICATE (TSI WAIVED)
COMPUTER TECHNOLOGY
Computer Applications Technology**

FIRST YEAR

First Semester

ITSC	1301	Introduction to Computers or BCIS 1405	3-4
ITSE	1329	Programming Logic and Design*	3
ITSC	1309	Integrated Software Applications I*	3
IMED	1316	Web Design I	3
ITSE	1331	Introduction to Visual BASIC Programming*	3
		Total Hours	15-16

Second Semester

ITSW	1301	Introduction to Word Processing	3
ITSC	1305	Introduction to PC Operating Systems	3
ITSC	1315	Project Management Software.....	3
ITSW	1310	Introduction to Presentation Graphics Software or ARTC 1313	3
ITSW	1307	Introduction to Database	3
ITSW	1304	Introduction to Spreadsheets.....	3
		Total Hours	18
		GRAND TOTAL	33-34

*Equivalent COSC or BCIS course may be substituted

**ASSOCIATE OF APPLIED SCIENCE DEGREE
COMPUTER TECHNOLOGY
Repair Technician Option**

FIRST YEAR**First Semester**

ITSC	1301	Introduction to Computers or BCIS 1405	3-4
ITSE	1329	Programming Logic and Design*	3
CPMT	1311	Introduction to Computer Maintenance.....	3
ITSC	1305	Introduction to PC Operating Systems	3
ENGL	1301	Composition I.....	3
		Total Hours	15-16

Second Semester

ITSE	1331	Introduction to Visual BASIC Programming*	3
ITSC	1315	Project Management Software.....	3
CPMT	1345	Computer System Maintenance***	3
ITNW	1458	Network +	4
ENGL	2311	Technical and Business Writing or ENGL 1302 Composition II**	3
Elective		Technical	3
		Total Hours	19

SECOND YEAR**Third Semester**

ITSE	1350	System Analysis and Design*	3
BMGT	1327	Principles of Management.....	3
CPMT	2449	Advanced Computer Networking Technology	4
Elective		Social/Behavior Science.....	3
Elective		MATH (College Level)	3
		Total Hours	16

Fourth Semester

Elective		Technical	3
ITSC	2486	Internship – Computer & Information Sciences, General	4
Elective		Humanities/Fine Arts	3
Elective		Technical	3
Elective		Technical	3
		Total Hours	16
		GRAND TOTAL	66-67

*Equivalent COSC or BCIS course may be substituted.

**Speech 1311, 1321, 1318, or 1315 must be taken also if the student chooses ENGL 1302

*** Class must be taken in semester /order indicated.

SUGGESTED TECHNICAL ELECTIVES

ARTC	1313	Digital Publishing I
ARTC	1325	Introduction to Computer Graphics
CPMT	2402	Home Technology Integration
CPMT	2445	Computer System Troubleshooting
CPMT	2449	Advanced Computer Networking Technology
IMED	1316	Web Design I
IMED	2309	Internet Commerce
IMED	2311	Portfolio Development
IMED	2315	Web Design II
ITNW	1325	Fundamentals of Networking Technologies
ITNW	2405	Network Administration
ITNW	2413	Networking Hardware
ITNW	2415	Wide Area Networks
ITSE	1407	Introduction to C + + Programming
ITSE	2417	JAVA Programming
ITSE	2431	Advanced C + + Programming
ITSE	2449	Advanced Visual BASIC Programming
ITSE	2457	Advanced Object-Oriented Programming
ITSW	1304	Introduction to Spreadsheets
ITSW	1307	Introduction to Database
ITSW	1310	Introduction to Presentation Media Software
ITSW	2337	Advanced Database

**LEVEL I - CERTIFICATE (TSI WAIVED)
COMPUTER TECHNOLOGY
Repair Technician Option**

FIRST YEAR

First Semester

ITSE	1329	Programming Logic and Design	3
CPMT	1311	Introduction to Computer Maintenance	3
ITNW	1458	Network +	4
ITSC	1305	Introduction to PC Operating Systems	3
		Total Hours	13

Second Semester

CPMT	1345	Computer System Maintenance	3
BMGT	1327	Principles of Management	3
CPMT	1404	Microcomputer Systems Software or CPMT 2449	4
ITSC	1315	Project Management Software	3
Elective		Elective	3
		Total Hours	16
		GRAND TOTAL	29

*Equivalent COSC or BCIS course may be substituted

**ASSOCIATE OF APPLIED SCIENCE DEGREE
COMPUTER TECHNOLOGY
Entertainment and Business Software Development**

FIRST YEAR

First Semester

ITSC	1301	Introduction to Computers or BCIS 1405	3-4
ITSE	1329	Programming Logic & Design*	3
ITSE	1331	Introduction to Visual BASIC Programming*	3
ITSC	1315	Project Management Software	3
ENGL	1301	Composition I	3
		Total Hours	15-16

Second Semester

ITSE	1407	Introduction to C + + Programming*	4
ITSC	1305	Introduction to PC Operating Systems	3
ITSE	1402	Computer Programming	4
Elective		Social/Behavioral Science	3
ENGL	2311	Technical and Business Writing or ENGL 1302 Composition II**	3
		Total Hours	16

Third Semester

ITSE	2417	JAVA Programming*	4
		Total Hours	4

SECOND YEAR

Fourth Semester

ITSE	1350	System Analysis and Design*	3
ITSE	2431	Advanced C + + Programming	4
ITSW	1307	Introduction to Database	3
Elective		Technical	3
Elective		Humanities/Fine Arts	3
		Total Hours	17

Fifth Semester

ITSE	2457	Advanced Object-Oriented Programming	3
ITSC	2486	Internship-Computer & Information Sciences, General	4
Elective		MATH (College Level)	3
Elective		Technical	3
		Total Hours	13
		GRAND TOTAL	65-66

*Equivalent COSC or BCIS course may be substituted

**Speech 1311, 1321, 1318, or 1315 must be taken also if the student chooses ENGL 1302

SUGGESTED TECHNICAL ELECTIVES

ARTC	1313	Digital Publishing I
ARTC	1325	Introduction to Computer Graphics
ARTS	2348	Digital Art I
ARTS	2349	Digital Art II
ARTV	1351	Digital Video
IMED	1316	Web Design I
IMED	2311	Portfolio Development
IMED	2315	Web Design II
ITNW	1325	Fundamentals of Networking Technologies
ITSE	1356	Extensible Markup Language (XML)
MUSC	1327	Audio Engineering I

**LEVEL I - CERTIFICATE (TSI WAIVED)
COMPUTER TECHNOLOGY**

Entertainment and Business Software Development

FIRST YEAR**First Semester**

ITSC	1301	Introduction to Computers or BCIS 1405	3-4
ITSE	1329	Programming Logic and Design*	3
ITSE	1331	Introduction to Visual BASIC Programming*	3
ITSC	1305	Introduction to PC Operating Systems	3
ITSE	1402	Computer Programming	4
		Total Hours	16-17

Second Semester

ITSW	1307	Introduction to Database	3
ITSC	1315	Project Management Software	3
ITSE	1407	Introduction to C + + Programming*	4
		Total Hours	10

Third Semester

ITSE	2417	JAVA Programming*	4
		Total Hours	4
		GRAND TOTAL	30-31

*Equivalent COSC or BCIS course may be substituted

ASSOCIATE OF APPLIED SCIENCE DEGREE

COMPUTER TECHNOLOGY

Network Administration Option

FIRST YEAR**First Semester**

ITSC	1301	Introduction to Computers or BCIS 1405	3-4
ITSC	1315	Project Management Software	3
CPMT	1311	Introduction to Computer Maintenance	3
ITSC	1305	Introduction to PC Operating Systems	3
ITSE	1329	Programming Logic and Design	3
ENGL	1301	Composition I	3
		Total Hours	18-19

Second Semester

ITSE	1331	Introduction to Visual BASIC Programming*	3
BMGT	1327	Principles of Management	3
ITNW	1458	Network +	4
ITNW	2413	Networking Hardware	4
ENGL	2311	Technical and Business Writing or ENGL 1302**	3
		Total Hours	17

SECOND YEAR**Third Semester**

CPMT 2449	Advanced Computer Networking Technology	4
ITNW 2415	Wide Area Networks	4
Elective	Security and Networking	3
Elective	MATH (College Level)	3
Elective	Humanities/Fine Arts	3
	Total Hours	17

Fourth Semester

ITSE 1350	System Analysis and Design*	3
ITSC 2486	Internship – Computer & Information Sciences, General	4
Elective	Social/Behavioral Science	3
Elective	Security or Networking.....	3
Elective	Technical***	3
	Total Hours	16
	GRAND TOTAL	65-66

*Equivalent COSC or BCIS course may be substituted.

**Speech 1311, 1321, 1318, or 1315 must be taken also if the student chooses ENGL 1302

***Recommend JAVA as Technical elective

SUGGESTED SECURITY AND NETWORKING ELECTIVES

CPMT 1345	Computer Systems Maintenance
CPMT 1404	Microcomputer System Software
CPMT 2445	Computer System Troubleshooting
CPMT 2449	Advanced Computer Networking Technology
ITNW 1325	Fundamentals of Networking Technologies
ITSY 2301	Firewalls and Network Security
ITSY 2400	Operating System Security
ITSY 2441	Security Management Practices

SUGGESTED TECHNICAL ELECTIVES

ARTC 1313	Digital Publishing I
ARTC 1325	Introduction to Computer Graphics
IMED 1316	Web Design I
IMED 2309	Internet Commerce
IMED 2311	Portfolio Development
IMED 2315	Web Design II
ITSE 1356	Extensible Markup Language (XML)
ITSE 1402	Computer Programming
ITSE 1407	Introduction to C + + Programming
ITSE 2417	JAVA Programming
ITSE 2431	Advanced C + + Programming
ITSE 2457	Advanced Object-Oriented Programming
ITSW 1301	Introduction to Word Processing
ITSW 1307	Introduction to Database
ITSW 1310	Introduction to Presentation Graphics Software
ITSW 2337	Advanced Database

LEVEL I - CERTIFICATE (TSI WAVED)**COMPUTER TECHNOLOGY****Network Administration Option****FIRST YEAR****First Semester**

ITSC 1301	Introduction to Computers**	3
ITSE 1329	Programming Logic and Design*	3
ITSC 1309	Integrated Software Applications I*	3
ITSC 1315	Project Management Software.....	3
	Total Hours	12

Second Semester

ITSE 1331	Introduction to Visual BASIC Programming*	3
ITSC 1305	Introduction to PC Operating Systems	3
CPMT 1311	Introduction to Computer Maintenance.....	3
ITNW 1458	Network +	4
	Total Hours	13

Third Semester

ITSE 1350	System Analysis and Design*	3
ITNW 1454	Implementing and Supporting Servers or ITNW 2405 or CPMT 2449	4
ITNW 2413	Networking Hardware.....	4
ITNW 2415	Wide Area Networks	4
	Total Hours	15
	GRAND TOTAL	40

*Equivalent COSC or BCIS course may be substituted

**BCIS 1405 Business Computer Applications course may be substituted

ASSOCIATE OF APPLIED SCIENCE DEGREE**COMPUTER TECHNOLOGY****Web Technology****FIRST YEAR****First Semester**

BCIS 1405	Business Computer Applications.....	4
ITSE 1329	Programming Logic and Design*	3
ENGL 1301	Composition I.....	3
ITSC 1305	Introduction to PC Operating Systems	3
IMED 1316	Web Design I	3
	Total Hours	16

Second Semester

ITSC 1315	Project Management Software.....	3
ITSE 1331	Introduction to Visual BASIC Programming*	3
ITSW 1310	Introduction to Presentation Graphics Software	3
ITSW 1307	Introduction to Database	3
ENGL 2311	Technical and Business Writing or ENGL 1302**	3
Elective	Technical Elective	3
	Total Hours	18

Third Semester

ITSE 2417	JAVA Programming*	4
	Total Hours	4

SECOND YEAR**Fourth Semester**

ITSE 1350	System Analysis and Design*	3
IMED 2315	Web Design II.....	3
ARTS 2348	Digital Art I or ARTS 2313 or ARTS 2314	3
CPMT 2449	Advanced computer Networking Technology	4
Elective	Social/Behavioral Science	3
	Total Hours	16

Fifth Semester

IMED 2309	Internet Commerce	3
ITSC 2486	Internship – Computer & Information Sciences, General	4
ARTC 1313	Digital Publishing I	3
Elective	MATH (College Level)	3
Elective	Humanities/Fine Arts.....	3
	Total Hours	16
	GRAND TOTAL	70

LEVEL II - CERTIFICATE (TSI REQUIRED)
COMPUTER TECHNOLOGY
Web Technology

FIRST YEAR**First Semester**

BCIS	1405	Business Computer Applications.....	4
ITSE	1329	Programming Logic and Design*	3
ITSC	1305	Introduction to PC Operating Systems	3
ITSW	1310	Introduction to Presentation Graphics Software	3
IMED	1316	Web Design I	3
		Total Hours	16

Second Semester

ARTS	2348	Digital Art I or ARTS 2313 or ARTS 2314	3
IMED	2315	Web Design II.....	3
ITSE	1331	Introduction to Visual BASIC Programming*	3
CPMT	2449	Advanced Computer Networking Technology	4
		Total Hours	13

Third Semester

ITSE	2417	JAVA Programming*	4
		Total Hours	4

SECOND YEAR**Fourth Semester**

ITSE	1350	System Analysis and Design	3
IMED	2309	Internet Commerce	3
ARTC	1313	Digital Publishing I	3
ITSW	1307	Introduction to Database	3
		Total Hours	12
		GRAND TOTAL	45

*Equivalent COSC or BCIS course may be substituted

*Equivalent COSC or BCIS course may be substituted.

**Speech 1311, 1321, 1318, or 1315 must be taken also if the student chooses ENGL 1302

SUGGESTED TECHNICAL ELECTIVES

ARTC	1325	Introduction to Computer Graphics
ARTS	2356	Photography I
ARTV	1351	Digital Video
CPMT	1303	Introduction to Computer Technology
GISC	1311	Introduction to GIS & GPS
IMED	2311	Portfolio Development
IMED	2359	Interactive Web Elements
ITNW	1325	Fundamentals of Networking Technologies
ITSC	1315	Project Management Software
ITSE	1311	Beginning Web Programming
ITSE	1356	Extensible Markup Language (XML)
MUSC	1327	Audio Engineering I

CRIMINAL JUSTICE
ASSOCIATE OF APPLIED SCIENCE DEGREE
 Criminal Justice

FIRST YEAR**First Semester**

ENGL 1301	Composition I.....	3
MATH 1332	Contemporary Mathematics I	3
SOCI 2336	Criminology	3
CJSA 1322	Introduction to Criminal Justice*	3
CJSA 1327	Fundamentals of Criminal Law*	3
	Total	15

Second Semester

ENGL 2311	Technical and Business Writing	3
Elective	Humanities/Fine Arts	3
CJLE 2247	Tactical Skills for Police	2
CJSA 1359	Police Systems and Practices*	3
CJSA 2300	Legal Aspects of Law Enforcement*	3
Elective	Criminal Justice.....	3
	Total	17

SECOND YEAR**Third Semester**

CJSA 1312	Crime in America*	3
CJSA 1313	Court Systems and Practices*	3
Elective	Criminal Justice.....	3
Elective	Criminal Justice.....	3
Elective	Criminal Justice.....	3
Elective	Criminal Justice.....	3
	Total	18

Fourth Semester

CJSA 1342	Criminal Investigation*	3
CJSA 1382	Cooperative Education – Criminal Justice Studies or ..	
	SLPS 2388	3
Elective	Criminal Justice.....	3
Elective	Criminal Justice.....	3
Elective	Criminal Justice.....	3
	Total	15
	GRAND TOTAL	65

*Equivalent CRIJ course may be substituted.

Students that have successfully completed the Texas Commission on Law Enforcement Officers and Education 560 hour Basic Peace Officer course may be awarded: CJLE 2522, CJLE 2521, and CJLE 2520. Transcript Equivalence Fee: \$100. Credit will not be transcribed until after the student has completed 16 semester hours at Temple College.

Suggested Criminal Justice Electives

CJSA 1308	Criminalistics I
CJCR 1307	Correctional Systems and Practices*
CJCR 2324	Community Resources in Corrections*
CJSA 1317	Juvenile Justice Systems*
HMSY 1337	Introduction to Homeland Security
SLPS 2333	Private Investigation
SPAN 1411	Beginning Spanish
SPCH 1311	Introduction to Speech Communications
GOVT 2301	American Government I
GOVT 2302	American Government II
HIST 2301	Texas History

**LEVEL-1 CERTIFICATE (TSI WAIVED)
CRIMINAL JUSTICE CERTIFICATE**

First Semester

CJSA 1313	Court System and Practices*	3
CJSA 1322	Introduction to Criminal Justice*	3
CJSA 1327	Fundamentals of Criminal Justice*	3
HMSY 1337	Introduction to Homeland Security.....	3
	Total	12

Second Semester

CJSA 1342	Criminal Investigation*	3
CJSA 1359	Police System and Practices*	3
Elective	Criminal Justice.....	3
Elective Criminal Justice	3
	Total	12

Third Semester

CJSA 1312	Crime in America*	3
CJSA 2300	Legal Aspects of Law Enforcement*	3
Elective	Criminal Justice.....	3
	Total	9
	GRAND TOTAL	33

*Equivalent CRIJ course may be substituted.

Students that have successfully completed the Texas Commission on Law Enforcement Officers and Education 560 hour Basic Peace Officer course and have an active TCLEOSE license may be awarded: CJLE 2522, CJLE 2521, and CJLE 2520. Transcript Equivalence Fee: \$100. Credit will not be transcribed until after the student has completed 16 semester hours at Temple College.

Suggested Criminal Justice Electives

CJCR 1307	Correctional Systems and Practices*
CJCR 2324	Community Resources in Corrections*
CJLE 2247	Tactical Skills for Police
CJSA 1308	Criminalistics I
CJSA 1317	Juvenile Justice System*
CJSA 1325	Criminology*
CJSA 1382	Cooperative Education-Criminal Justice Studies
SLPS 2333	Private Investigation
SLPS 2388	Internship – Security and Loss Prevention Services

EDUCATIONAL PERSONNEL

ASSOCIATE OF APPLIED SCIENCE DEGREE

Educational Personnel*

FIRST YEAR

First Semester

EDTC 1301	Educational Systems	3
EDTC 1307	Introduction to Teaching Reading	3
ITSC 1301	Introduction to Computers	3
ENGL 1301	Composition I.....	3
Elective	Program Related Elective	3
	Total Hours	15

Second Semester

CDEC 2315	Diverse Cultural/Multilingual Education	3
Elective	Program Related Elective	3
EDTC 1311	Instructional Practices and Effective Learning Environments	3
EDTC 1313	Educational Software and Technology.....	3
ENGL 2311	Technical and Business Writing	3
Elective	Math or Science	3
	Total Hours	18

SECOND YEAR

Third Semester

Elective	Social Science/Behavioral Science.....	3
EDTC 2317	Guiding Student Behavior	3
CDEC 1359	Children with Special Needs.....	3
Elective	Program Related Elective	3
Elective	Humanities or Fine Arts.....	3
	Total Hours	15

Fourth Semester

EDTC 2305	Reading Problems	3
CDEC 1419	Child Guidance.....	3
EDTC 2364	Practicum	3
SOCI 1306	Current Social Problems	3
Elective	Program Related Elective	3
	Total Hours	15
	GRAND TOTAL	63

*Also Teacher Assistant Bilingual/ESL: substitute a foreign language for the program related electives and add a lab science.

SUGGESTED ELECTIVES

BMGT 1301	Supervision
CDEC 1354	Child Growth and Development
CDEC 1357	Math and Science for Early Childhood
CDEC 1358	Creative Arts for Early Childhood
CDEC 2441	The School Age Child
TECA 1303	Families, School and Community
TECA 1318	Wellness of the Young Child

LEVEL 1 CERTIFICATE (TSI WAIVED)

Teacher Assistant Certificate

ONE YEAR

First Semester

EDTC 1301	Educational Systems	3
EDTC 1307	Introduction to Teaching Reading	3
ITSC 1301	Introduction to Computers	3
CDEC 2315	Diverse Cultural/Multilingual Education	3
EDTC 2317	Guiding Student Behavior	3
	Total Hours	15

Second Semester

CDEC 1419	Child Guidance.....	3
EDTC 1311	Instructional Practices and Effective Learning Environments	3
EDTC 1313	Educational Software and Technology.....	3
CDEC 1359	Children with Special Needs.....	3
	Total Hours	12
	GRAND TOTAL	27

GEOGRAPHIC INFORMATION SYSTEMS

The Geographic Information System (GIS) program is designed to give students entry-level proficiency. The GIS program enables the student to develop the fundamental skills, knowledge, and experience which prepares the student for positions in the field of GIS. The program combines classroom lecture along with the hands-on experience to give the students practical knowledge of GIS. Students may pursue a Certificate of Completion or the Associate Degree.

Application software used in this program includes ArcGIS® (ESRI), ERDAS Imagine®, AutoCAD®, and Microsoft Office.

ASSOCIATE OF APPLIED SCIENCE

Geographic Information Systems

FIRST YEAR

First Semester

GISC	1301	Cartography / Geography in GIS/GPS	3
GISC	1311	Introduction to GIS	3
ENGL	1301	Composition I.....	3
GEOG	1301	Physical Geography.....	3
ITSC	1309	Integrated Software Applications I or Technical Elective	3
		Total Hours	15

Second Semester

GISC	2301	Data Acquisition and Analysis in GIS.....	3
GISC	2311	Geographic Information Systems (GIS) Applications	3
GEOG	1302	Cultural Geography	3
ITSE	1329	Programming Logic and Design.....	3
ITSW	1307	Introduction to Database	3
Elective		MATH	3
		Total Hours	18

SECOND YEAR

Third Semester

GISC	1391	Special Topics in Cartography.....	3
GISC	2320	Intermediate Geographic Information Systems.....	3
DFTG	1309	Basic Computer-Aided Drafting.....	3
ENGL	2311	Technical and Business Writing.....	3
Elective		Humanities/Fine Arts.....	3
Elective		Program Related	3
		Total Hours	18

Fourth Semester

GISC	1321	Introduction to Raster-Based GIS	3
GISC	2380	Cooperative Education or Related Elective.....	3
DFTG	2330	Civil Drafting.....	3
ITSE	1331	Introduction to Visual BASIC Programming or IMED 1316	3
Elective		Program Related	3
		Total Hours	15
		GRAND TOTAL	66

SUGGESTED PROGRAM RELATED ELECTIVES

ANTH	2346	Introduction to Anthropology
DFTG	2319	Intermediate Computer-Aided Drafting
ENVR	1101	Environmental Science Lab
ENVR	1301	Environmental Science
GEOG	2312	Economic Geography
GEOL	1103	Physical Geology Laboratory
GEOL	1303	Physical Geology
GISC	1391	Special Topics in Cartography
HUMA	1302	Introduction to Humanities II
IMED	1316	Web Design I
IMED	2315	Web Design II
ITSC	1315	Project Management Software
ITSE	1311	Beginning Web Programming
ITSE	2449	Advanced Visual BASIC Programming
ITSW	1310	Introduction to Presentation Graphics Software
SRVY	1301	Introduction to Surveying
SRVY	1319	Introduction to Geographic Information Systems (GIS)
SRVY	2305	Geographic Information Systems Application
SRVY	2309	Computer Aided Mapping

LEVEL I – CERTIFICATE (TSI WAIVED)**Geographic Information Systems****First Semester**

GISC	1301	Cartography and Geography in GIS/GPS	3
GISC	1311	Introduction to GIS	3
GEOG	1301	Physical Geography.....	3
ITSC	1309	Integrated Software Applications I or Technical Elective	3
Elective		Program Related	3
		Total Hours	15

Second Semester

GISC	2301	Data Acquisition and Analysis in GIS.....	3
GISC	2311	Geographic Information Systems (GIS) Applications	3
GEOG	1302	Cultural Geography	3
ITSW	1307	Introduction to Database	3
Elective		Program Related	3
		Total Hours	15
		Grand Total	30

Program Related Electives

GISC	1321	Introduction to Raster-Based GIS
GISC	1391	Special Topics in Cartography
GISC	2320	Intermediate Geographic Information Systems
DFTG	1309	Basic Computer-Aided Design
DFTG	2330	Civil Drafting
IMED	1316	Web Design I
IMED	2315	Web Design II
ITSC	1315	Project Management Software
ITSE	1311	Beginning Web Page Programming
ITSE	1329	Programming Logic and Design
ITSE	1331	Introduction to Visual BASIC Programming
ITSW	1310	Introduction to Presentation Graphics Software
SRVY	1301	Introduction to Surveying

HEALTH PROFESSIONS

BIOTECHNOLOGY

Biotechnology is the use of living organisms and/or biological processes to discover new information, solve problems or to make useful products such as vaccines and therapeutic drugs. The goal of the Biotechnology degree and certificate programs is to prepare students to work as Biotechnology Technicians in a variety of exciting fields, such as medical research, agriculture, biomanufacturing, the environmental sciences, and forensics. The curriculum provides a strong foundation in biology, chemistry, microbiology, math and statistics. Specialized biotechnology courses emphasize theory and hands-on experience with cutting edge techniques, technologies, laboratory operations, and instrumentation. Students obtain a working knowledge of molecular biology, tissue cultures, protein separation and purification, DNA/RNA methodologies, proteomics and genomics. In addition, students will learn about bioethics, laboratory safety procedures, verbal and scientific communication, professional conduct, laboratory operations, data interpretation, bioinformatics, quality control and manufacturing practices. The degree program culminates with an Internship or Capstone experience in a local biotechnology/medical research laboratory.

In addition to the Associate in Applied Science (AAS) Degree in Biotechnology, an Advanced Technical Certificate (ATC) in Biotechnology is offered for those students who already have a degree in a related biological or chemistry area. An Enhanced Skills Certificate (ESC) in Genomics and Proteomics is offered as well to students who already possess at least an A.A.S. in Biotechnology or related biological science and who wish to advance their education in the areas of Genomics and Proteomics.

The Biotechnology curriculum is designed not only to prepare the graduate for an entry-level position in the rapidly expanding field of biotechnology, but also to provide a foundation for students who wish to continue on to a bachelor's degree and/or graduate degree in the sciences. See Transfer of Credits or contact the Biotechnology Department for more information.

Requirements for the Associate of Applied Science Degree in Biotechnology

In order to graduate from Temple College and receive the Associate of Applied Science (A.A.S.) in Biotechnology, the student must meet the following degree requirements:

1. Six semester hours of English: ENGL 1301 and 2311
2. Six semester hours in social/behavioral sciences and fine arts/humanities: PSYC 2301 or SOCI 1301 and Fine/Arts Humanities Elective
3. Eight semester hours in biology: BIOL 1406 and BIOL 2421
4. Six semester hours in math: MATH 1314 and MATH 2342
5. Eight semester hours in chemistry: CHEM 1311, CHEM 1111, and CHEM 1408
6. Seven to eight hours of biology or chemistry from stated prerequisites.
7. All required BITC program courses (total of 25 semester hours).
8. Successful completion of the full-time 12 week Internship/Capstone experience with all acceptable criteria met (i.e., attendance, objectives, skills, acceptable affective score, etc.)
9. The student must be enrolled at Temple College the semester immediately prior to the Internship/Capstone experience.
10. At least 71 hours of course credit.
11. A grade of "C" (2.0) or better in all courses.
12. Completion of all course work for the degree or certificate within 5 years.
13. The student must be enrolled in Temple College during the semester of his/her graduation.
14. Also see "Graduation Requirements – Requirements for Associate Degrees and Certificates."

General Biotechnology Degree Requirements

Biotechnology major students (degree or certificate) must meet the following requirements:

1. Attend a Biotechnology Information Session (call the Biotechnology Department for dates and times) prior to enrolling the biotechnology program courses, or;
2. Schedule an appointment with the Department Chair or designated biotechnology faculty member to discuss the degree plan, during, or immediately after taking BITC 1311, Introduction to Biotechnology.
3. Pick up a **Biotechnology Program Information/Application Packet** from the department office at the Texas Bioscience Institute (TBI) office and complete all required forms. The program application and all other signed forms are to be turned into the Department as soon as the student has declared Biotechnology as the degree or certificate program they wish to pursue.
4. Satisfactorily complete all biotechnology, BITC, courses and an approved Internship/Capstone experience.
5. Maintain a grade point average of at least 2.0 overall and in the biotechnology major courses.
6. Submit an **Application for Internship** packet at least one semester before anticipated enrollment in the Internship course, BITC 2587 (see Internship Requirements).

Internship Requirements (BITC 2587)

Successful completion of the Internship is a requirement of the A.A.S. degree and Advanced Technical Certificate (ATC) in Biotechnology. Requirements for the Internship are as follows:

1. Students must maintain a 2.0 or better grade point average in all biotechnology and prerequisite course work to enroll in the Internship.
2. A completed Biotechnology Program application form and all other signed forms on file in the Biotechnology Program office.
3. Students must complete all other degree/certificate requirements *before* enrolling in the Internship course.
4. Students must be enrolled at Temple College the semester before they begin their Internship.
5. A completed **Application for Internship** packet must be submitted at least one semester before enrolling in the Internship. The packet is available from the Biotechnology Department office and includes:
 - a. Application for Internship form.
 - b. Proof of an acceptable criminal background check (contact the department for more information). An *unacceptable criminal* background check may prevent a student from completing the Internship and receiving the degree or certificate from Temple College.
 - c. Proof of Liability Insurance form (available through the college for a small fee).
 - d. A Health Form indicating up-to-date immunizations (i.e., tetanus, diphtheria, mumps, measles, rubella, and varicella), including a series of Hepatitis B vaccinations, and a current physical examination report (within the last 6 months) indicating medical clearance to participate in the Internship. Hepatitis B vaccinations should be started and preferably completed before beginning the Internship.
 - e. A drug screen may be requested at any time during the Internship for cause.
6. Attend a mandatory Biotechnology Department Internship Orientation immediately prior to starting the Internship. Contact the department for the scheduled date.
7. Attend/complete an internship site orientation session, if required.

The most up-to-date information regarding the Biotechnology degree and certificate programs may be viewed on the Temple College biotechnology web site at <http://www.templejc.edu/dept/Biotech/Biotech.htm>.

Essential Functions

To be successful in the biotechnology curriculum and a career in any biotechnology field, students should be able to perform the following Essential Functions of the profession:

- maneuver sufficiently to perform work-related laboratory tasks in a timely manner;
- communicate effectively and professionally with peers, staff, and faculty;
- read and comprehend text, numbers and graphs displayed in print, on video and instrument displays and printouts;
- demonstrate written and oral proficiency in the English language without assistance;
- interpret reactions on slides, media plates and in test tubes, etc., by visual characteristics and/or odor;
- exhibit the manual dexterity necessary to process specimens, operate and repair laboratory instruments, equipment and computers; perform delicate procedures and all other aspects of laboratory operations that require eye-hand coordination;
- regularly meet the activity schedule of the didactic and internship instructors and supervisors to satisfy all performance requirements (objectives) of all internship sites and didactic instruction to include transportation to all internship sites;
- carry or lift objects weighing up to 15 pounds;
- work quickly and accurately under stress, possessing the emotional and mental health to make sound judgments and complete all responsibilities;
- work in a thorough, safe, careful, efficient, responsible and organized manner, alone, or as a laboratory/work-group member;
- logically correlate information/data in order to solve problems;
- demonstrate ethical judgment, integrity, honesty, common sense and accountability in the internship/work setting when dealing with peers, faculty, and staff;
- use interpersonal skills such as cooperation, confidentiality and attentiveness in a positive and tactful manner;

- measure, analyze, synthesize, integrate and apply information as it relates to a biotechnology laboratory;
- successfully complete written, oral or computer-based exams and assignments independently;
- follow verbal and written instructions in order to correctly and independently perform biotechnology laboratory procedures, and
- pay close attention to details in the performance of all laboratory tasks.

ASSOCIATE OF APPLIED SCIENCE DEGREE Biotechnology

Recommended Course Sequence

First Year

Fall Semester

BIOL 1406	Biology for Science Majors I.....	4
CHEM 1311	General Chemistry I.....	3
CHEM 1111	General Chemistry Laboratory I.....	1
MATH 1314	College Algebra (or higher).....	3
ENGL 1301	English Composition I.....	3
ELECTIVE	Fine Arts/Humanities.....	3
	Total	17

Spring Semester

BITC 1311	Introduction to Biotechnology.....	3
CHEM 1408	Introduction to Chemistry II (Bio-Organic)	4
ENGL 2311	Technical and Business Writing.....	3
MATH 2342	Elementary Statistical Methods.....	3
BIOL 2421	Microbiology for Science Majors	4
	Total	17

Summer Semester (6 Weeks)

ELECTIVE	Social/Behavioral Science (PSYC 2301 or SOCI 1301 recommended).....	3
	Total	3

Second Year

Biotechnology Courses

Fall Semester

BITC 1402	Biotechnology Laboratory Methods and Techniques	4
BITC 2431	Cell Culture Techniques	4
BITC 2411	Biotechnology Laboratory Instrumentation.....	4
ELECTIVE	BIOL 2316 Genetics, or BIOL 2404 Anatomy & Physiology, or BIOL 2401 Anatomy & Physiology I (must take BIOL 2402 A&P next semester) CHEM 1312/1112 General Chemistry II and Laboratory	3-4
	Total	15-16

Spring Semester

BITC 1250	Special Studies & Bioethical Issues of Biotechnology	2
BITC 2441	Molecular Biology Techniques.....	4
BITC 1445	Medical Biotechnology	4
ELECTIVE	BIOL 2316 Genetics, or BIOL 2402 Anatomy & Physiology II, or CHEM 1312/1112 General Chemistry II and Laboratory	3-4
	Total	13-14

Summer Semester (12 Weeks)

BITC	2587	Internship – Biotechnology Laboratory Technician	5
		Total	5
		Total	71-72

ADVANCED TECHNICAL CERTIFICATE IN BIOTECHNOLOGY

The Advanced Technical Certificate allows students with a previous background in the sciences or a degree in the sciences (i.e., minimum of A.A.S. or A.A. degree or junior level standing with a minimum of 64 semester hours) to obtain the skills necessary for employment in the rapidly expanding and exciting biotechnology related professions, particularly biomedical research.

The curriculum for the ATC consists of the biotechnology program courses of the A.A.S. degree program and an Internship in a biotechnology laboratory. Students should have a strong science/math background. It is recommended that any science related degree or science courses be completed within the last 5 years. A Program Application and approval of the Biotechnology Department Chair is required for enrollment.

Prerequisites:	Science (biology) related degree and		
BITC 1311	Introduction to Biotechnology.....	3	
Fall Semester			
BITC	1402	Biotechnology Laboratory Methods and Techniques	4
BITC	2431	Cell Culture Techniques	4
BITC	2411	Biotechnology Laboratory Instrumentation.....	4
ELECTIVE	BIOL 2316 Genetics, or BIOL 2404 Anatomy & Physiology, or BIOL 2401 Anatomy & Physiology I (must take BIOL 2402 A&P next semester)		
	CHEM 1312/1112 General Chemistry II and Laboratory	3-4	
	Total	15-16	
Spring Semester			
BITC	1250	Special Studies & Bioethical Issues of Biotechnology	2
BITC	2441	Molecular Biology Techniques.....	4
BITC	1445	Medical Biotechnology	4
ELECTIVE	BIOL 2316 Genetics, or BIOL 2402 Anatomy & Physiology II, or CHEM 1312/1112 General Chemistry II and Laboratory	3-4	
	Total	13-14	
Summer Semester (12 Weeks)			
BITC	2587	Internship – Biotechnology Laboratory Technician	5
		Total	5
		Total	34-35

ENHANCED SKILLS CERTIFICATE IN GENOMICS/PROTEOMICS

The Enhanced Skills Certificate (ESC) in Genomics/Proteomics allows students with an A.A.S. in Biotechnology to pursue an advanced educational experience in genomics and proteomics. A completed Biotechnology Program application and approval of the Biotechnology Department Chair and/or instructor is required for enrollment.

Prerequisite: Approval of the Biotechnology Department Chair/Instructor and BIOL 2316, Genetics.

BIOL 2316	Genetics.....	3
BITC 2459	Human Genomics	4
BITC 2455	Proteomics	4
	Total Hours	11

DENTAL HYGIENE

This program prepares dental hygiene students to be primary oral health-care professionals who play a key role in promoting oral health through educational, preventive and therapeutic services. The curriculum consists of general education, biomedical sciences, dental sciences, and dental hygiene sciences all provided within a framework of academic and clinical experience.

An Associate of Applied Science degree is awarded upon graduation. Dental hygienists have employment opportunities in general and specialty dental practices and clinics, pharmaceutical and dental supply companies, community health agencies, education and research institutions, and management settings. Dental Hygiene program graduates must pass the written National Board Examination, Regional and/or State Examination, and a state jurisprudence examination to be eligible to apply for state licensure.

Students desiring admission to the program must first meet the basic entrance requirements for Temple College and then file for admission to the Dental Hygiene Program. Enrollment is limited and admission is competitive. Special program admission criteria and procedures are necessary to be accepted into the program.

Program Admission Criteria

Applicants must meet the following requirements:

1. It is highly recommended that students attend a pre-application Dental Hygiene Program Information Session.
2. Complete the Temple College admission procedure.
3. Pass all three sections of the Texas Success Initiative.
4. Provide copies of all relevant transcripts: 1) high school or GED; 2) college/university; and 3) other
5. Provide official transcript of course grades. Prerequisite courses required prior to the application deadline are: BIOL 2401, BIOL 2421, and CHEM 1305 and CHEM 1105. Completion of BIOL 2402 is required prior to enrolling in DHYG 1301 and DHYG 1431. Applicants must have a minimum of a "C" or better in each course. A minimum cumulative grade point average (GPA) of 2.5 is required for admission to the Dental Hygiene Program. Biological science courses must have been taken within the past five years.
6. Pass the pre-entrance departmental aptitude test, the HOBET.
7. Complete a Dental Hygiene Program Admissions Application form.
8. Demonstrate competency in fundamental mathematical skills by a placement test score of a minimum performance level in elementary algebra.
9. Completion of the above admission criteria does not guarantee admission to the Dental Hygiene Program. The highest qualified applicants will be ranked according to scores of the program admission criteria. Twelve applicants will be accepted each year.
10. Upon conditional acceptance into the program, the following must be provided:
 - a. Pre-entry physical and visual acuity examinations (prior to beginning the Dental Hygiene Program and annually thereafter), including proof of required immunizations;
 - b. Documentation of current Cardiopulmonary Resuscitation Certification for the Health Care Provider (prior to beginning the Dental Hygiene Program and annually thereafter).
 - c. Documentation of student professional liability insurance, and must remain current thereafter. Deadline for applying to the Dental Hygiene Program is January 20. Letters of notification will be mailed by March 1. Accepted applicants have until March 15 to notify the Program Director in writing of applicants' intentions.

REQUIREMENTS FOR ASSOCIATE OF APPLIED SCIENCE DEGREE IN DENTAL HYGIENE

To graduate with a Temple College Associate of Applied Science degree in Dental Hygiene, the following requirements must be met:

1. Six semester hours of English: ENGL 1301 and 2311. ENGL 1302 may be used instead of ENGL 2311 if the student also takes three hours of speech: SPCH 1311, 1321, 1318, or 1315.
2. Eight semester hours of human anatomy and physiology: BIOL 2401 and 2402; four semester hours of chemistry: CHEM 1305 and CHEM 1105; and four semester hours of microbiology: BIOL 2421.
3. Six semester hours in social and behavioral sciences: PSYC 2301 and SOCI 1301.
4. Three semester hours in fine arts or humanities to be selected from the disciplines of art, history, literature, music, speech (excluding SPCH 1311, 1321, 1318, and 1315), and theater. Students may select one course of three semester hours credit or several courses totaling three semester hours credit.
5. At least 72 semester hours of course credit, exclusive of all 0000-level courses.
6. Included in the 72 semester hours of course work must be all of the required dental hygiene courses for a total of 41 hours credit.
7. The student must be enrolled in Temple College during the semester of his/her graduation.
8. The student must have completed the last 18 semester hours of the work toward graduation at Temple College or have earned a total of 32 semester hours of TC work applicable toward the graduation requirements.

9. For any variation from the above prescribed requirements to be counted toward graduation, a written statement to this effect, signed by the Dental Hygiene Department Chairperson and the Vice President of Educational Services must be on file in the student's record folder.

ASSOCIATE OF APPLIED SCIENCE DEGREE

Dental Hygiene

PREREQUISITES

CHEM 1305	Introductory Chemistry I and CHEM 1105	4
BIOL 2421	Microbiology	4
BIOL 2401	Human Anatomy and Physiology I	4
MATH	Competency Demonstration	
BIOL 2402	Human Anatomy and Physiology II	4
	Total	16

FIRST YEAR

Summer Semester (12 Weeks)

DHYG 1301	Orofacial Anatomy, Histology and Embryology	3
DHYG 1327	Preventive Dental Hygiene Care	3
	Total	6

Fall Semester

DHYG 1431	Preclinical Dental Hygiene	4
DHYG 1304	Dental Radiology	3
DHYG 2201	Contemporary Dental Hygiene Care I	2
ENGL 1301	Composition I	3
	Total	12

Spring Semester

DHYG 1211	Periodontology	2
DHYG 1260	Clinical-Dental Hygienist I	2
DHYG 1207	General and Dental Nutrition	2
DHYG 2231	Contemporary Dental Hygiene Care II	2
DHYG 1235	Pharmacology for the Dental Hygienist	2
PSYC 2301	General Psychology	3
	Total	13

SECOND YEAR

Summer Semester

DHYG 1319	Dental Materials	3
	Total	3

Fall Semester

DHYG 2361	Clinical-Dental Hygienist II	3
DHYG 1315	Community Dentistry	3
DHYG 1239	General and Oral Pathology	2
SOCI 1301	Introduction to Sociology	3
ENGL 2311	Technical/Business Writing	3
	Or	
ENGL 1302	Composition II and Speech SPCH 1311, 1315, 1318, or 1321	3
	Total	14

Spring Semester

DHYG 2262	Clinical-Dental Hygienist III	2
DHYG 1123	Dental Hygiene Practice	1
DHYG 1291	Special Topics in Dental Hygiene	2
Elective	Fine Arts/Humanities	3
	Total	8
	GRAND TOTAL	72

DIAGNOSTIC MEDICAL SONOGRAPHY

(Pending Co-Board Approval)

The Diagnostic Medical Sonography program is designed to prepare the student for an entry level position as a Diagnostic Medical Sonographer. The DMS program consists of experiences, both didactic and practical, that develop the individual's potential to provide diagnostic quality sonograms. The foundation for this is derived from understanding Sonographic physics and application of these principles, and understanding the relationship of anatomical structures to produce diagnostic sonograms. The faculty facilitates learning opportunities that provide the student exposure to knowledge, skills, technology, and belief systems necessary for the practice of Sonography. These learning opportunities draw from and build on each other to provide progression in the development of sonographic skills. Course work specific to Diagnostic Medical Sonography and the general core curriculum, as outlined by the college, comprises the formal education plan for the ATC and AAS degree Sonography student.

It is the goal of the DMS team in conjunction with the support services at Temple College to:

1. Prepare graduates to successfully challenge the ARDMS Boards through didactic education and clinical experience.
2. Prepare students to be successful in meeting the challenges of being a Sonographer.
3. Provide a high quality education experience for all students.
4. Provide tutoring and online tutoring to all students to help ensure their success in the Program.
5. Provide students with an awareness for the significance of continuing education and instill in them the desire to continue their education after graduation.
6. Teach students to practice Sonography within an ethical and legal framework consistent with ARDMS and SDMS standards.
7. Teach students to use critical thinking to analyze clinical data and current literature as a basis for decision making in Sonography.

Admission to the DMS Program

Students desiring admission to the DMS program must:

1. Complete the Temple College admission procedure and achieve admission to Temple College.
2. Attend a DMS information session.
3. Complete the HOBET test with a minimum of 70 in math and reading.
4. Texas Success Initiative scores – All candidates should have passed all three parts of an assessment test by this time in order to be considered for enrollment in the DMS program.
5. Furnish all official transcripts from all schools attended including all prerequisite course grades.
 - a. The prerequisites must be completed prior to the start of the DMS program, with a minimum of a C in each course. Students who apply for admission while completing the prerequisites may furnish transcripts after the application process prior to the start of the DMS program.
 - b. If you are eligible to sit for an allied health care board exam (Radiographer, RN, LVN, RRT, etc) you must successfully pass your boards prior to being admitted into the DMS program.
6. Admission into the DMS program is competitive. Competitive selection of students may become necessary if the number of applicants exceeds the number of seats available. Prospective students are provided with a worksheet to review and calculate their point awards for admission into the DMS Program.
 - a. Provided there is a tie in the total point score the selection of students for a seat in the DMS program is at the discretion of the DMS Program Chair.
7. Two letters of reference.
8. Document verification of the completion of a series of mandated immunization. Documentation should be submitted at the time of application.
 - a. Tetanus, diphtheria, mumps, measles, rubella, varicella, and Hepatitis B.
 - i. The first two inoculations in the Hepatitis B series must be completed by the end of August.
 - ii. Students shall receive a complete series of Hepatitis B vaccine prior to the start of direct patient care.
 - b. Document a negative TB skin test or X ray within the previous 3 months.
9. Written documentation of a complete physical exam within six months prior to beginning the DMS program, verifying good physical and mental health with required immunizations and receive medical clearance to participate in the program.
10. Interview with the DMS selection panel. Interviews are requested by the DMS selection committee. Those applicants selected for the interview process will be provided with a date and time for the interview.
11. After satisfactory completion of the above admission process, applicants will be notified by letter if they were accepted into the program.
12. After conditional acceptance to the program, the following must be completed:
 - a. Contact the DMS Director to schedule a shadow session.
 - b. A satisfactory criminal background history check (specific instructions will be given). Any healthcare facility associated with Temple College may also require an additional criminal background check. Permission to perform the criminal background history check must be given by the student.
 - i. Failure to give permission will result in dismissal from the program. It will be necessary to dismiss a student from the DMS program if they are barred from practicing at any healthcare facility.

- ii. Future employment and licensing may be affected by the results of a criminal background history check. The criminal background check must be completed no more than 30 days prior to the beginning of the program.
- 13. Drug screenings can be requested at any time by Temple College or a clinical site during enrollment in the DMS program. Failure to give permission will result in dismissal from the program.
- 14. Provide written documentation of successful completion of a CPR course designed for health care providers (e.g., **Basic Cardiac Life Support for Health Care Providers from the American Heart Association** or **CPR for the Professional Rescuer from the American Red Cross**). No student will be permitted in the clinical setting without current documentation on file (must remain current throughout the DMS program).
- 15. Attend a program orientation meeting.
- 16. All DMS students will be required to purchase professional liability insurance at the time of registration. Additional expenses incurred as part of the program are the responsibility of the student.
 - a. See DMS Program Chair for additional information.
- 17. If you have not completed #12 of the above within a week of the start of the DMS program you risk being dropped from the program.

Uniforms and other supplies

Students enrolled in the DMS Program at Temple College must purchase uniforms. The cost of uniforms is not included in any Temple College fees. Additional expenses incurred as part of the program are the responsibility of the student.

Student Travel Policy

A significant portion of the rotations must take place at clinical sites. These clinical sites may not be all located in Temple. Temple College and the DMS department assume no responsibility for expenses incurred as a result of travel or transportation that must be arranged to satisfy course requirements.

Liability Insurance

All students accepted into the DMS program will be required to purchase professional liability insurance at the time of registration. The cost of professional liability insurance is not included in any Temple College fees. Additional expenses incurred as part of the program are the responsibility of the student.

Requirements for an Associate of Applied Science Degree in DMS (Pending Coordinating Board Approval)

In order to graduate from Temple College and receive the Associate of Applied Science degree in Sonography, the student must meet the following requirements.

1. Completion of all prerequisites and general education course electives with a minimum of a 2.0 in each course.
 - Composition I ENGL 1301
 - College Algebra MATH 1314
 - Will accept Statistics or higher level mathematics course.
 - Elementary Physics PHYS 1405
 - Will accept Radiography Physics
 - Anatomy and Physiology BIOL 2404 or Anatomy and Physiology I BIOL 2401 and Anatomy and Physiology II BIOL 2402
2. Seventy-two semester hours of course credit, exclusive of the developmental courses. Each course must be completed with a C grade or better. Included in the 72 semester hours of course work are the 50 hours of DMS Core courses. Each DMS core course must be completed in the required sequence with a C grade or better.
3. Pass the exit exam with a 2.0 or higher.
4. Completion of the Application for Graduation by deadline date.

ASSOCIATE OF APPLIED SCIENCE
Diagnostic Medical Sonography

Prerequisites			
MATH	1314	College Algebra.....	3
PHYS	1405	Elementary Physics (will accept Radiographic Physics)	4
ENGL	1301	Composition I (will accept speech or communication	3
BIOL	2404	Anatomy and Physiology	4
		Total	14
First Year			
Fall 1			
Session I			
DMSO	1302	Basic Ultrasound Physics.....	3
DMSO	1110	Introduction to Sonography.....	1
DSVT	1103	Introduction to Vascular Technology.....	1
Session II			
DMSO	1342	Intermediate Ultrasound Physics.....	3
DMSO	1441	Abdominopelvic Sonography.....	4
		Total	12
Spring I Semester			
DMSO	2441	Sonography of Abdominopelvic Pathology	4
DMSO	2351	Doppler Physics	3
PSYC	2301	General Psychology	3
DMSO	1361	Clinical I – Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician	3
		Total	13
Summer Semester (12 weeks)			
DMSO	2405	Sonography of Obstetrics and gynecology	4
DMSO	2363	Clinical II - Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician.....	3
		Total	7
Second Year			
Fall II Semester			
DMSO	2442	Sonography of High Risk Obstetrics	4
DMSO	2354	Neurosonology.....	3
HUMA	1301	Introduction to Humanities.....	3
DMSO	2366	Practicum I – Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician.....	3
		Total.....	13
Spring II Semester			
DMSO	2245	Advanced Sonography Practices.....	2
DMSO	2230	Advanced Ultrasound and Review	2
DMSO	2353	Sonography of Superficial structures.....	3
DMSO	2367	Practicum II – Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician.....	3
Elective		Either ENGL 2311 Technical and Business Writing	
		or ENGL 1302 Composition II and SPCH 1311	3-6
		Total	13
		Total Hours.....	72-75

Exit Exam: You are required to pass the comprehensive exit exam to be eligible to graduate.

Requirements for an Advanced Technical Certificate in Diagnostic Medical Sonography

(Pending Coordinating Board Approval)

To be eligible for an Advanced Technical Certificate the student must meet the following requirements

1. Have an Associates or Bachelors in Radiologic Technology*
 - a. Have successfully challenged the ARRT boards
 - b. Are in good standing with the ARRT
 - c. Maintained a 2.0 or higher in each course.
2. Have an Associates or Bachelors degree in any discipline other than Radiologic Technology that incorporated the following courses into their curriculum:*
 - a. College Algebra
 - b. General Physics
 - c. Composition I
 - d. Anatomy and Physiology 2404 or Anatomy and Physiology I and Anatomy and Physiology II
3. Completion of all previous courses with a 2.0 or higher in each course.
4. If you are eligible to sit for an allied health care board exam you must have successfully pass your boards and be in good standing with the credentialing body.

*if your degree plan did not include a-d listed in #2 you will be required to complete those courses with a minimum of 2.0 prior to being considered for a seat in the DMS program.

In order to graduate from Temple College and receive the Advanced Technical Certificate in Sonography, the student must meet the following requirements.

1. Completion of 49 hours of course credit in the required sequence with a minimum of a 2.0 in each course.
2. Pass the exit exam with a 2.0 or higher.
3. Completion of the Application for Graduation by deadline date.

Advanced Technical Certificate in Diagnostic Medical Sonography

Fall 1

Session I

DMSO	1302	Basic Ultrasound Physics.....	3
DMSO	1110	Introduction to Sonography.....	1
DSVT	1103	Introduction to Vascular Technology.....	1

Session II

DMSO	1342	Intermediate Ultrasound Physics.....	3
DMSO	1441	Abdominopelvic Sonography.....	4
		Total	12

Spring I Semester

DMSO	2441	Sonography of Abdominopelvic Pathology	4
DMSO	2351	Doppler Physics	3
DMSO	1361	Clinical I – Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician	3
		Total	10

Summer Semester (12 weeks)

DMSO	2405	Sonography of Obstetrics and gynecology	4
DMSO	2363	Clinical II - Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician.....	3
		Total	7

Second Year

Fall II Semester

DMSO	2442	Sonography of High Risk Obstetrics	4
DMSO	2354	Neurosonology	3
DMSO	2366	Practicum I – Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician.....	3
		Total	10

Spring II Semester

DMSO	2245	Advanced Sonography Practices.....	2
DMSO	2230	Advanced Ultrasound and Review.....	2
DMSO	2353	Sonography of Superficial structures.....	3
DMSO	2367	Practicum II – Diagnostic Medical Sonography/ Sonographer and Ultrasound Technician.....	3
		Total	11
		Total Hours.....	49

Exit Exam: You are required to pass the comprehensive exit exam to be eligible to graduate.

EMERGENCY MEDICAL SERVICES PROFESSIONS

THE PROFESSION AND THE PROGRAM

The primary role of Emergency Medical Services (EMS) professionals is providing patient care in pre-hospital settings and during transfers of patients between health care facilities. They respond to requests for out-of-hospital health care, assess patients, initiate treatment under written or verbal orders from a physician, and transport patients to appropriate facilities. Care that otherwise would be available only in an emergency department is taken into the community. EMS professionals also care for patients who are being transported between health care facilities, both in ground vehicles and on aircraft.

Employers of EMS professionals include ambulance services, fire departments, law enforcement agencies, and aeromedical transport services. In some areas, EMS professionals work in hospital emergency departments and critical care units. With additional education and experience, they also fill positions in EMS systems administration, industrial health and safety, emergency management, and emergency services education.

The Emergency Medical Services (EMS) Professions Department provides course work necessary to prepare students for practice as competent entry-level: (1) EMT-Basics, (2) EMT-Intermediates, or (3) Paramedics. Graduates are eligible for the certification exams offered by the National Registry of Emergency Medical Technicians (NREMT) and for certification or licensure by the Texas Department of State Health Services (DSHS). The EMS Professions Department also offers course work to prepare students for advanced practice as a Critical Care Paramedic.

A two-year program leads to an Associate of Applied Science degree in Emergency Medical Services. EMT-Intermediate and Paramedic Certificates of Completion are available for students who do not wish to pursue an associate's degree. The Department offers courses at both Temple and Taylor.

ADMISSION TO THE DEPARTMENT

There is no discrimination based on race, color, religion/creed, age, sex, disabling conditions, handicaps, or national origin. To be admitted to the EMS program, students must first meet the basic entrance requirements for admission to Temple College. However, admission to Temple College does not constitute automatic acceptance into the EMS program.

Applicants who believe they have a disability that will require accommodations during the application process or during their enrollment should contact the EMS Professions Department as early as possible. Students must be able to successfully complete all course and program requirements.

Persons enrolling in the EMT-Basic course (EMSP 1501/1160) must:

1. Apply for and achieve admission to Temple College.
2. Hold a high school diploma or a GED. (High school seniors may enroll but they must hold a high school diploma and be 18 years old to become eligible for certification.)
3. Document immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, and hepatitis B (Some immunization series require five month to complete. Students must have all immunization completed prior to beginning the clinical rotations).
4. Document results from a tuberculosis skin test or chest x-ray performed within the previous 12 months.
5. Submit a completed EMT application packet.

A completed EMT application portfolio must be submitted according to deadlines established by the EMSP Department. The portfolio must include:

1. Verification of immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, and hepatitis B.
2. Results from a tuberculosis skin test or chest x-ray performed within the last 12 months.
3. Documentation of high school graduation or a GED.

The number of students in the EMT program is limited by spaces available for clinical experience in affiliated hospitals and EMS provider organizations. Enrollment is available on a first come first serve basis.

Persons enrolling in the Intermediate or Paramedic course must:

1. Apply for and achieve admission to Temple College
2. Document immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, and hepatitis B. (Some immunization series require five month to complete) Students must have all immunization completed prior to beginning the clinical rotations).
3. Document results from a tuberculosis skin test or chest x-ray performed within the previous 12 months.
4. Show proof of EMT-Basic certification (NREMT or Texas DSHS). (Students who have completed an EMT course and are in the process of obtaining EMT certification are eligible to enroll.)
5. Submit a completed advanced application packet. Applicants for the intermediate or paramedic program who have completed an EMT-Basic course but who do not yet hold EMT-Basic certification may be accepted with the provision that they obtain EMT-Basic certification before starting clinical rotations during the first semester of advanced course work. Students are accepted for advanced course work beginning in the Fall semester at Taylor and in the Spring semester at Temple.

A completed advanced application portfolio must be submitted according to deadlines established by the EMSP Department. The portfolio must include:

1. An assessment score or documentation of exemption (ACCUPLACER, THEA, COMPAS, etc.).
2. Results of the Department's comprehensive EMT-Basic examination. Students who successfully complete EMSP 1501 from Temple College are exempt from taking this examination and may substitute their score on the EMSP 1501 final examination.
3. Verification of immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, and hepatitis B.
4. Results from a tuberculosis skin test or chest x-ray performed within the last 12 months.
5. Documentation of high school graduation or a GED.
6. Copies of all relevant academic transcripts: high school, college or university, military service schools, other (proprietary schools).
7. Documentation of EMT-Basic certification. Students who are currently enrolled in an EMT-Basic course or who have completed EMT-Basic course work and are engaged in the credentialing process should provide a statement to this effect.
8. A resume or curriculum vitae showing work history with emphasis on EMS experience.

After a completed application portfolio is on file, an interview with at least one member of the EMSP faculty will be scheduled. Letters regarding admission status will be mailed within two weeks of interviews. If an application is rejected, the applicant may request a hearing before the Department Chairman. Requests must be submitted in writing and must include the reasons why the application should be reconsidered.

The number of students in the program is limited by spaces available for clinical experience in affiliated hospitals and EMS provider organizations. Competitive selection of students may become necessary if the number of applicants exceeds the number of seats available. In this event, a committee consisting of the Medical Director and EMSP faculty will review applicants. Factors that may be considered should competitive selection become necessary include:

1. Previous academic performance.
2. Comprehensive departmental EMT-Basic exam scores (or scores on the EMSP 1501 comprehensive final examination).
3. Interview results.
4. Prior work experience in EMS.
5. Temple College service area residency status.
6. Employment by one of the Department's clinical affiliates

UNIFORMS AND OTHER SUPPLIES

Students enrolled in EMSP clinical courses must purchase uniforms consisting of black "pro-tuff" style pants, black boots, black belt, and a white uniform shirt. Purchase of a stethoscope also is required. The cost of clinical uniforms and equipment is not included in any College fees.

PROFESSIONAL LIABILITY INSURANCE

Students will be assessed a professional liability insurance fee when they enroll in their first EMSP clinical course during an academic year. This fee will cover the cost of malpractice insurance coverage for the remainder of that academic year.

STUDENT EMPLOYMENT

The decision to work while enrolled in the EMS program rests with the individual student. While students may be employed in or volunteer in the clinical setting outside of regular instructional hours, they may count time and patient care procedures toward completion of course requirements only if they are functioning in the capacity of a student on a scheduled clinical rotation.

The EMSP Department cannot guarantee that all required clinical rotations will be available at times outside of the hours of a student's regular employment. If a clinical rotation required for successful completion of the course in which a student is enrolled is allowed only during a period of time when a student is engaged in his/her regular employment, the student will be required to arrange time off from work to complete the rotation.

STUDENT TRAVEL POLICY

A significant portion of the rotations must take place at clinical sites that provide access to larger numbers of patients presenting common problems encountered in the delivery of emergency care. Temple College and the EMSP Department assume no responsibility for expenses incurred as a result of travel or transportation that must be arranged to satisfy course requirements.

BACKGROUND TESTING POLICY

Clinical sites will require a criminal background check and/or drug screen testing prior to beginning clinical rotations. If the student does not meet the standards set by the clinical site, the student will not be allowed to attend or complete the clinical at that site.

PROMOTION

Once the student is accepted into advanced EMSP course work, it is expected that he or she will continue to progress directly to the next semester's courses. To do this, the student must:

1. Have completed all previously required EMSP courses with a grade of "C" or better.
2. Have satisfied the competency requirements for all previously required EMSP courses.
3. Maintain good academic standing according to Temple College's Minimum Academic Standards, Scholastic Probation, and Scholastic Suspension policies.
4. Meet all general Temple College requirements and be approved for registration.

The following grading scale applies to all EMSP courses:

Numerical Value	Letter Grade	Points
89.5-100	A	4.0
80.5-89.4	B	3.0
79.5-80.4	C	2.0
69.5-79.4	D	1.0
below 69.5	F	0.0

Instruction in EMSP course work is competency-based. Although minimum clock hour requirements for didactic instruction, clinical rotations, and field internship have been established, successful completion depends on the student's demonstrating proficiency in the knowledge, skills, and personal behaviors/attitudes required of an entry-level EMS professional. Paramedic students complete a field internship under the supervision of experienced preceptors. They must demonstrate the ability to apply and integrate the knowledge, skills, and personal behaviors/attitudes of an entry-level Paramedic and must receive a final evaluation of entry-level competency from their assigned preceptor(s). EMS Professions students also must successfully complete a comprehensive written exit examination and a clinical simulation/oral examination conducted at the end of the final semester.

CERTIFICATION AND LICENSURE

Students who successfully complete prescribed EMSP course work are eligible to take NREMT examination at the appropriate level and to apply for Texas Department of State Health Service's (DSHS) certification or licensure.

The NREMT administers a separate process from the one used by Temple College for determining whether accommodations for disabilities will be granted during the certification examination process. Eligibility is evaluated on a case-by-case basis. Therefore, a student who receives an accommodation during a course taught at Temple College has no guarantee of receiving an accommodation for the NREMT certification examination.

The nature of EMS duties requires restrictions to be placed on credentialing of persons with criminal histories. Applicants with criminal histories who wish to take the NREMT examination or be certified or licensed by DSHS are reviewed by those agencies on a case-by-case basis. Therefore, the EMSP Department is not able to advise a student with a criminal history if he/she will be eligible for certification and/or licensure upon course completion. Questions regarding certification or licensure of applicants with criminal histories should be directed to the Texas Department of State Health Services or the National Registry of EMTs.

Credentialing requirements, procedures, and fees vary significantly from state to state. It is the responsibility of a student who anticipates practicing in another state to contact the appropriate agency regarding credentialing or reciprocity procedures.

ASSOCIATE OF APPLIED SCIENCE DEGREE**Emergency Medical Services****Fall Semester**

BIOL 2401	Human Anatomy and Physiology I.....	4
EMSP 1501	EMT-Basic.....	5
EMSP 1160	Clinical—EMS	1
	Total	10

Spring Semester

BIOL 2402	Human Anatomy and Physiology II.....	4
EMSP 1438	Introduction to Advanced Practice.....	4
EMSP 2348	Emergency Pharmacology	3
EMSP 1356	Patient Assessment and Airway Management.....	3
EMSP 1162	Clinical—EMS	1
	Total	15

Summer Semester

EMSP 1355	Trauma Management.....	3
EMSP 1263	Clinical—EMS	2
EMSP 2544	Cardiology	5
ITSE 1294	Information Technology in Health Care Occupations2	
PSYC 2301	General Psychology.....	3
	Total	15

Fall Semester

EMSP 2434	Medical Emergencies.....	4
EMSP 2430	Special Populations.....	4
EMSP 2260	Clinical—EMS	2
ENGL 1301	Composition I.....	3
	Humanities Elective.....	3
	Total	16

Spring Semester

EMSP 2143	Assessment Based Management.....	1
EMSP 2338	EMS Operations	3
EMSP 2135	Advanced Cardiac Life Support.....	1
EMSP 1147	Pediatric Advanced Life Support	1
EMSP 1149	PreHospital Trauma Life Support	1
EMSP 2460	Clinical—EMS	4
ENGL 2311	Technical Writing	3
	Total	14
	GRAND TOTAL	70

ENHANCED SKILLS CERTIFICATE**Critical Care Paramedic****Fall Semester**

EMSP 2458	Critical Care Paramedic.....	4
EMSP 2263	Clinical—Emergency Medical EMT Paramedic	2
	Total	6

LEVEL I - CERTIFICATE (TSI WAIVED)**EMT-Intermediate****Fall Semester**

BIOL 2404	Introduction to Human Anatomy and Physiology*	4
EMSP 1501	EMT-Basic.....	5
EMSP 1160	Clinical—EMS	1
	Total	10

Spring Semester

EMSP 1438	Introduction to Advanced Practice.....	4
EMSP 2348	Emergency Pharmacology	3
EMSP 1356	Patient Assessment and Airway Management.....	3
EMSP 1162	Clinical—EMS	1
	Total	11

Summer Semester

EMSP 1355	Trauma Management.....	3
EMSP 1263	Clinical—EMS	2
	Total	5
	GRAND TOTAL	26

* BIOL 2401 may be substituted for BIOL 2404

LEVEL II - CERTIFICATE OF COMPLETION (TSI REQUIRED)**Paramedic****Fall Semester**

BIOL 2404	Introduction to Human Anatomy and Physiology*	4
EMSP 1501	EMT-Basic.....	5
EMSP 1160	Clinical—EMS	1
	Total	10

Spring Semester

EMSP 1438	Introduction to Advanced Practice.....	4
EMSP 2348	Emergency Pharmacology	3
EMSP 1356	Patient Assessment and Airway Management.....	3
EMSP 1162	Clinical—EMS	1
	Total	11

Summer Semester

EMSP 1355	Trauma Management.....	3
EMSP 1263	Clinical—EMS	2
EMSP 2544	Cardiology	5
	Total	10

Fall Semester

EMSP 2434	Medical Emergencies.....	4
EMSP 2430	Special Populations	4
EMSP 2260	Clinical—EMS	2
	Total	10

Spring Semester

EMSP 2143	Assessment Based Management.....	1
EMSP 2338	EMS Operations	3
EMSP 2135	Advanced Cardiac Life Support.....	1
EMSP 1147	Pediatric Advanced Life Support	1
EMSP 1149	Pre-Hospital Trauma Life Support	1
EMSP 2460	Clinical—EMS	4
	Total	11
	GRAND TOTAL	52

* BIOL 2401 may be substituted for BIOL 2404

NURSING

Associate of Applied Science Degree in Nursing

The Associate Degree Nursing (ADN) program leads to an Associate of Applied Science degree and allows the graduate to apply to take the state licensing exam for registered nursing. Completion of the AAS degree in nursing does not guarantee admittance to the registered nurse license examination. Graduates will be required to answer questions about their drug, alcohol, psychiatric, and/or conviction history for determination of eligibility to take the licensing exam for registered nursing. Criminal background checks are now required on all graduates. Further information is available in the office of the ADN Department. The Associate Degree Nursing Program is fully accredited by the National League for Nursing Accreditation Commission, 212-363-5555, 61 Broadway, New York, NY 10006.

PHILOSOPHY

The philosophy of the Temple College Associate Degree Nursing program reflects the beliefs of the faculty and provides the foundation for the nursing program. The philosophy of the program complements the institution's mission statement by providing quality education to prepare ADN graduates who are capable of entry level employment in the diverse community served by Temple College. The purpose of the ADN program is to provide assistance in supplying the Central Texas area with qualified graduate nurses who are prepared to take the National Council Licensure Examination to become registered nurses.

The faculty recognizes the holistic nature of the individual with biological, psychological, and social dimensions. The biological dimension is represented by the physical being. The psychological dimension is represented by the mind. The social dimension is represented by the individual's relationships with others. These dimensions are interrelated to create the whole. Because of the interrelatedness of these dimensions, when one dimension changes, other dimensions may be affected.

The individual is understood to be a dynamic being with varying capacity to meet their needs. A need is that which is necessary, useful, or desirable to maintain life. Each individual has the right to be actively involved in a plan to meet their needs. When active involvement is not possible; the individual is entitled to assistance in a caring manner.

Nursing is a profession in which caring behaviors are provided by interaction with the client in response to actual or potential unmet needs. Caring behaviors are those practices that demonstrate the nurse's altruistic concern for the welfare of the client. Caring behaviors are integrated from both scientific and humanistic experiences. The five steps of the nursing process, assessment, diagnosis, planning, implementation, and evaluation, are used as the method of critical thinking to integrate scientific principles with humanistic concerns. The nurse provides caring behaviors by performing in the roles of provider of care, coordinator of care, and profession member. These roles may be performed in a variety of settings. The nurse is accountable for performance in these roles not only to one's self and the profession, but also to a local, national, and global society.

Nursing education consists of experiences both didactic and practicum, that develop the individual's potential to provide quality care. The foundation for these experiences is derived from scientific and humanistic concepts and principles. The faculty facilitates learning opportunities that provide the student exposure to knowledge, skills, technology, and belief systems necessary for professional nursing practice. These learning opportunities draw from and build on each other to provide progression in the development of nursing roles. Course work specific to nursing and the general core curriculum, as outlined by the College, comprises the formal education plan for the associate degree nursing student.

Learning is viewed as a continuing process involving cognitive, affective, and psychomotor domains. Learning in the nursing program is dependent on faculty-student interaction. The faculty has the responsibility for guiding the learner to experiences that will assist them in meeting the objectives of the nursing program. The student has the responsibility for acquiring the knowledge, values and skills necessary to meet the objectives of the nursing program. Both participants have the responsibility for creating and participating in a learning climate that fosters the maximum development of each individual's potential. This focus recognizes that learning beyond the formal educational setting is essential and learning does not stop when the learner completes the formal learning plan.

Therefore, the nursing curriculum incorporates the following concepts: the individual is a holistic being with varying capacity to meet their needs; nursing interacts with the individual in response to unmet needs by utilizing the nursing process to provide caring behaviors; the nurse performs in the roles of provider of care, coordinator of care, and profession member.

The role of the graduate associate degree nurse in the profession of nursing is to:

1. Display a commitment to the value of caring by delivering client-centered care;
2. Use the nursing process as a basis for critical thinking to integrate scientific and humanistic principles and concepts;
3. Act as a coordinator in organizing and facilitating quality client care;
4. Practice as a coordinator and provider of care in a variety of settings where policies and procedures are specified and guidance is available;
5. Communicate effectively in performance of professional roles;
6. Practice within the ethical and legal framework of nursing and be accountable for ensuring high standards of nursing practice;
7. Be a contributing member within the profession of nursing.

OBJECTIVES

On the basis of this philosophy, the faculty believe that the Temple College Associate of Applied Science nursing program graduate will:

1. Integrate scientific and humanistic concerns to provide caring behaviors through a variety of practices.
2. Determine the health status of clients from a holistic perspective.
3. Participate with clients to formulate client-centered nursing diagnoses, goals, and a plan of care to meet their holistic health needs, incorporating promotion, prevention, maintenance, and restoration.
4. Implement the nursing plan of care according to standards of practice.
5. Provide for the safety of self and others.
6. Incorporate culturally sensitive nursing care for a diverse population.
7. Participate with clients to evaluate their progress toward established goals.
8. Develop, implement, and evaluate individualized teaching-learning plans concerning promotion, prevention, maintenance, and restoration of health.
9. Establish and maintain effective communication with clients, nurses, and other health care team members.
10. Establish priorities, organize and provide care for multiple clients.
11. Delegate aspects of care to appropriate health care providers commensurate with their educational preparation and experience.
12. Coordinate human and material resources to provide cost effective and quality care to meet health needs.
13. Collaborate with the client and other health care team members to meet the health needs of clients.
14. Refer clients to resources that facilitate continuity of care.
15. Assume professional responsibility and accountability.
16. Practice nursing within an ethical and legal framework, consistent with nursing practice standards as defined by professional and regulating organizations.
17. Act as an advocate to promote the provision of quality health care for clients.
18. Participate in activities that promote the development of self and nursing.
19. Use a critical thinking approach to analyze clinical data and current literature as a basis for decision making in nursing practice.

ADMISSION TO THE ADN PROGRAM

Students desiring admission to the ADN program must:

1. Complete the Temple College admission procedure.
2. Complete the admission procedure for the ADN Department:
 - Schedule to take the nursing pretest. The Nursing Entrance Test (NET-RN) is the pre-entrance departmental aptitude test used by the ADN program. The pre-entrance examination will be given in February and March for the fall class. Check with the Associate Degree Nursing Office for specific testing dates. All **prerequisite** courses must be in progress or completed by the time of pre-test. Study guides for the NET-RN are available at the Temple College bookstore.
 - The **prerequisite** courses are: BIOL 2401, ITSE 1294, and PSYC 2301.
 - Complete an application from the ADN Department after taking the pre-entrance test.
 - Furnish official transcripts of **prerequisite** course grades and any courses that may apply to the ADN program. You must have a minimum of a "C" in every course. A minimum overall grade point average (GPA) of 2.5 (in all courses that apply toward the nursing curriculum) is required for admission to the ADN program. Biological science courses must have been taken within the past ten years.
3. After satisfactory completion of the above admission process, applicants will be notified by letter of whether or not they were conditionally accepted into the program.
4. After conditional acceptance to the program, the following must be completed:
 - A satisfactory criminal background history check (specific instructions will be given). Any healthcare facility associated with Temple College may also require criminal background history checks. Permission to perform the criminal background history check must be given by the student. Failure to give permission could result in dismissal from the program. It may be necessary to dismiss students from a program if they are barred from practicing at any healthcare facility. Future employment and licensing may be affected by the results of a criminal background history check. The Texas Board of Nursing will also conduct a criminal background history check at the completion of the program. The background history check you will do for us will NOT guarantee you will meet the BON requirements.
 - A current physical examination (within six months prior to beginning the nursing program) verifying good physical and mental health with required immunizations. Note: Students shall receive a complete series of Hepatitis B vaccine prior to the start of direct patient care.
 - Provide written documentation of successful completion of a CPR course designed for health care providers (e.g., **Basic Cardiac Life Support for Health Care Providers** from the American Heart Association or **CPR for the Professional Rescuer** from the American Red Cross). No student will be permitted in the clinical setting without current documentation on file (must remain current throughout the ADN program).

5. In the event the application is rejected, the applicant may request a hearing with the ADN Department Chair. Such request is to be submitted in writing and include the reasons why the application should be reviewed.
6. All nursing students will be required to purchase professional liability insurance at the time of registration. Additional expenses incurred as part of the program are the responsibility of the student.

Note: Admission to Temple College does not constitute automatic acceptance into the nursing program. Admission to the nursing program is determined during the late spring for the fall semester. In the case of competitive admissions, requirements over and above the minimum may be necessary.

Applications will not be processed if any of the stated admission requirements are missing or incomplete.

Students seeking admission to the ADN program are admitted to the program on the basis of the following criteria with maximum point totals awarded as indicated:

- * GPA (only general education courses that apply to the ADN curriculum) (5 points)
- * Number of general education credits that apply toward the ADN curriculum (3 points)
- * Temple College service area residency status (1 point)
- * Pre-Test Score (4 pts)

Point totals are then used to rank candidates .

One point will be deducted from an applicant's point total if the applicant has failed any nursing course in another nursing program.

PROMOTION

Once a student is accepted into and begins the ADN program curriculum, it is expected that the student will continue to progress directly to the next semester's courses. In order to do this, the student must:

1. Have completed all previously required courses with a "C" grade (2.0 based on a 4.0 scale) or better;
2. Be concurrently enrolled in required non-nursing courses scheduled for that semester, or have previously passed these courses with a minimum grade of "C" (2.0);
3. Maintain good academic standing (See the College catalog, Minimum Academic Standards, Scholastic Probation, & Scholastic Suspension policies).
4. Meet all general Temple College requirements (be approved for registration).

Failure in any required nursing course indicates possibility of failure on the board exam. Therefore, no more than one course may be repeated during the program, due to failure, and that course may be repeated only once.

In all nursing courses, the following grading scale will be used.

Numerical Value	Letter Grade	Points
93-100	A	4.0
85-92	B	3.0
75-84	C	2.0
Below 75	F	0

In all courses, both nursing and non-nursing, that count toward graduation, the minimum passing grade is a "C" or 2.0 on the 4.0 scale. Further grading criteria can be found in each course outline.

READMISSION TO THE ADN PROGRAM

Students may apply for readmission to the ADN program following their withdrawal or dismissal by submitting a new application to the ADN Department office. Students seeking readmission who have successfully completed any nursing courses more than three years prior to readmission will be required to re-enroll in the nursing courses. All policies specified by Temple College for readmitting students will apply (See the College catalog section on readmission under the Application for Admission policy.) Applicants being readmitted to the first semester of nursing courses will be considered using the same criteria as are used for new applicants. Applicants being considered for readmission to other semesters in the nursing curriculum will be considered on a space available basis.

A student who was dismissed for an unsatisfactory grade in a nursing course (class and/or clinical) will be asked to discuss the problems that led to dismissal and actions that have been taken that would enable him/her to reasonably expect success in completing the program, passing the licensing exam, and contributing to the profession of nursing. After a second nursing program failure or withdrawal, a student is not eligible for readmission.

TRANSFER TO THE TC ADN PROGRAM FROM ANOTHER NURSING PROGRAM

Transfer students who have been enrolled in an approved RN level nursing school will be considered for admission on a space available basis. Also, all policies specified by Temple College for accepting transfer students will apply (see the College catalog section on transfer students under Application for Admission.)

Required non-nursing courses will be evaluated for transferability by the Division Director of Enrollment Management and the ADN Program Director. The student must arrange for all official transcripts to be sent directly to the Admissions and Records office for any non-nursing course they wish to have considered for transfer. In addition, if a course description is not readily available in the Admissions and Records office, the student will be responsible for providing a copy of the appropriate course description prior to the final determination. An official copy of the transcript and course description should also be sent to the ADN Department office.

Required nursing courses will be evaluated for transferability by the ADN Program Director, in association with the Division Director of Enrollment Management. The student must arrange for an official transcript to be sent directly to the Admissions and Records office. In addition, the student will be responsible for providing a copy of the course description, syllabus, objectives, and an official transcript to the ADN Program Director. Prior to the final determination, the ADN Program Director may request the student to provide further information and may consult with specific faculty regarding the acceptability of potential nursing transfer courses into the Temple College curriculum.

Upon final determination of the transferability of any courses, the ADN Program Director will approve the curriculum plan to be followed by the transfer student. Any student transferring into the nursing program from another nursing program will enter Temple College ADN program with only one attempt to complete the program.

PRIORITIZATION LISTING FOR READMISSION AND TRANSFERS

Request for readmission or transfer students will be prioritized as follows:

1. First priority: Former Temple College students with a passing grade in previous nursing courses.
2. Second priority: Transfer students with passing grades in previous nursing courses.
3. Third priority: Former Temple College students with a previous nursing course failure.
4. Fourth priority: Transfer students with a previous nursing course failure.

Within each priority group, preference is given based on nursing GPA.

REQUIREMENTS FOR ASSOCIATE OF APPLIED SCIENCE DEGREE IN NURSING

In order to graduate from Temple College and receive the Associate of Applied Science degree in Nursing, the student must meet the following requirements:

1. Six semester hours of English: ENGL 1301 and 2311. ENGL 1302 may be used instead of ENGL 2311 if the student also takes three hours of Speech: SPCH 1311, 1315, 1318, or 1321.
2. Six semester hours in behavioral sciences: PSYC 2301 and PSYC 2314.
3. Three semester hours in fine arts or humanities to be selected from the disciplines of art, history, literature, music, philosophy (excluding logic), drama/theater and humanities.
4. Eight semester hours of anatomy and physiology: BIOL 2401 and BIOL 2402. Two semester hours of computer information technology: ITSE 1294. Four semester hours of microbiology: BIOL 2421. For any variation from these prescribed requirements to be counted toward graduation, a written statement to this effect, signed by the ADN Program Director and the Vice President of Educational Services must be on file in the student's record folder.
5. Seventy-two semester hours of course credit, exclusive of developmental courses. All prescribed courses must be completed with a "C" grade or better. Included in the 72 semester hours of course work must be all of the required nursing courses, or their equivalent, for a total of 43 hours of credit. For any variation from these prescribed requirements to be counted toward graduation, approval must be given by the ADN Program Director.
6. The student must have completed the last 18 semester hours of the work toward graduation at Temple College or have earned a total of 32 semester hours of TC work applicable toward the degree requirements.
7. All candidates will be required to pass an exit level exam before graduating from the Associate Degree Nursing program.
8. Completion of the Application for Graduation by deadline date.

ASSOCIATE OF APPLIED SCIENCE DEGREE

Nursing (ADN Program)

NOTE: The student must earn a "C" or higher grade in each course.

Prerequisites

BIOL	2401	Human Anatomy and Physiology I.....	4
ITSE	1294	Special Topics in Computer Science	2
PSYC	2301	General Psychology.....	3
		Total	9

FIRST YEAR**Fall Semester**

BIOL	2402	Human Anatomy and Physiology II.....	4
RNSG	1201	Pharmacology	2
RNSG	1360	Clinical-Nursing I –Registered Nurse Training	3
RNSG	1205	Nursing Skills I.....	2
RNSG	1309	Introduction to Nursing.....	3
		Total	14

Spring Semester

PSYC	2314	Lifespan Growth and Development.....	3
RNSG	1431	Principles of Clinical Decision-Making.....	4
RNSG	1146	Legal & Ethical Issues for Nurses	1
RNSG	1110	Introduction to Community-based Nursing.....	1
RNSG	1361	Clinical-Nursing II-Registered Nurse Training	3
		Total	12

Summer Semester I

BIOL	2421	Microbiology.....	4
		Total	4

Summer Semester II

RNSG	2213	Mental Health Nursing.....	2
RNSG	1262	Clinical-Nursing III-Registered Nurse Training.....	2
		Total	4

SECOND YEAR**Fall Semester**

ENGL	1301	Composition I.....	3
		Elective Fine Arts/Humanities.....	3
RNSG	1447	Concepts of Clinical Decision-Making	4
RNSG	2201	Care of Children & Families	2
RNSG	2360	Clinical-Nursing IV-Registered Nurse Training	3
		Total	15

Spring Semester

ENGL	2311	Technical & Business Writing** or ENGL 1302 CompositionII and 3 credits Speech (1311,1315,1318,1321)	3-6
RNSG	1251	Care of the Childbearing Family	2
RNSG	2441	Advanced Concepts of Clinical Decision-Making +	4
RNSG	2221	Management of Client Care.....	2
RNSG	2361	Clinical-Nursing V-Registered Nurse Training	3
		Total	14-17
		Total Hours	72-75

** Course includes speech component.

*Exit Exam – All candidates will be required to pass an exit exam before graduating from the Associate Degree Nursing Program.

BRIDGING PROGRAM (LVN TO ADN)

This program prepares the Licensed Vocational Nurse to make the transition into the professional nursing role. Upon completion of this program graduates receive an Associate of Applied Science degree which qualifies them to apply for the state licensing examination for registered nursing. Graduates will be required to answer questions about their drug, alcohol, psychiatric, and/or conviction history for determination of eligibility to take the licensing exam for registered nursing. Criminal background checks are now required on all graduates. Further information is available in the office of the ADN department. NLNAC is an additional resource for program information, (212) 363-5555, 61 Broadway, New York, NY 10006.

ADMISSION TO THE LVN BRIDGING PROGRAM

Students desiring admission to the LVN Bridging program must:

1. Complete the Temple College admission procedure.*
2. Complete the following prerequisite courses: BIOL 2401, BIOL 2402, BIOL 2421, ITSE 1294, PSYC 2301, PSYC 2314, and VNSG 1323.
3. Complete the admission requirements and procedure for the ADN Department.
 - Be a graduate of a Texas VN program or out-of-state NLN accredited program (applicant is responsible for providing documentation); and hold a valid Texas VN license in good standing.
 - Have a grade of "C" or better in all VN courses and any course which applies toward the ADN curriculum.
 - If the applicant graduated more than two years before admission, the applicant must have had nursing practice experience of six months full time or one year part time within the last two years. Part time is defined as a minimum of 800 hours per year. A letter from the employer(s) will be required to verify work experience.
 - Complete an application from the ADN Department.
 - Furnish official transcripts of prerequisite course grades and any courses that may apply to the ADN program. Must have a minimum of a "C" in every course. A minimum overall grade point average (GPA) of 2.5 (in all courses that apply toward the nursing curriculum) is required for admission to the ADN program. Biological science courses must have been taken within the past 10 years.
4. After satisfactory completion of the above admission process, applicants will be notified by letter of whether or not they were conditionally accepted into the program.
5. After conditional acceptance to the program, the following must be completed:
 - A satisfactory criminal background history check (specific instructions will be given). Any healthcare facility associated with Temple College may also require criminal background history checks. Permission to perform the criminal background history check must be given by the student. Failure to give permission could result in dismissal from the program. It may be necessary to dismiss students from a program if they are barred from practicing at any healthcare facility. Future employment and licensing may be affected by the results of a criminal background history check. Texas Board of Nursing will also conduct a criminal background history check at the completion of the program. The background history check you will do for us will NOT guarantee you will meet the BON requirements.
 - A current physical examination (within six months prior to beginning the nursing program) verifying good physical and mental health and required immunizations. Note: Students shall receive a complete series of Hepatitis B vaccine prior to the start of direct patient care.
 - Written documentation of successful completion of a CPR course designed for health care providers (e.g., **Basic Cardiac Life Support for Health Care Providers** from the American Heart Association or **CPR for the Professional Rescuer** from the American Red Cross). No student will be permitted in the clinical setting without current documentation on file (must remain current throughout the ADN program).
6. In the event the application is rejected, the applicant may request a hearing before the ADN Department Chair. Such request is to be submitted in writing to include the reason why the application should be reviewed.
7. All nursing students will be required to purchase professional liability insurance at the time of registration. Additional expenses incurred as part of the program are the responsibility of the student.

***Admission to the LVN Bridging Program is determined in the early spring. In the case of competitive admissions, requirements over and above the minimum may be necessary.**

Policies on promotion, readmission, and transfer apply to both LVN Bridging and ADN students.

Applications will not be processed if any of the stated admission requirements are missing or incomplete.

Students seeking admission to the LVN Bridging program are admitted to the program on the basis of the following criteria, with maximum point totals awarded as indicated:

- GPA, only general education courses that apply to the ADN curriculum (5 points)
- Number of general education credits that apply to the ADN curriculum (3 points)
- Graduate of Temple College Vocational Nursing Program (1 point)
- Temple College service area residency status (1 point)

One point will be deducted from an applicant's point total if the applicant has failed any nursing course in another nursing program.

ASSOCIATE OF APPLIED SCIENCE DEGREE**Nursing (LVN Bridging Program)****(Must be a Licensed Vocational Nurse)****Prerequisites**

BIOL	2401	Human Anatomy and Physiology I.....	4
BIOL	2402	Human Anatomy and Physiology II.....	4
BIOL	2421	Microbiology.....	4
ITSE	1294	Special Topics in Computer Science.....	2
PSYC	2301	General Psychology.....	3
PSYC	2314	Lifespan Growth and Development.....	3
VNSG	1323	Basic Nursing Skills(credit from VN Program).....	3
		Total	23

Summer Semester I

RNSG	2307	Transition to Nursing Practice.....	3
RNSG	1162	Clinical-Nursing-Registered Nurse Training.....	1
		Total	4

Summer Semester II

RNSG	2213	Mental Health Nursing.....	2
RNSG	1262	Clinical-Nursing III-Registered Nurse Training.....	2
		Total	4

SECOND YEAR**Fall Semester**

ENGL	1301	Composition I.....	3
Elective		Humanities/Fine Arts.....	3
RNSG	1447	Concepts of Clinical Decision-Making.....	4
RNSG	2201	Care of Children & Families.....	2
RNSG	2360	Clinical-Nursing IV-Registered Nurse Training.....	3
		Total	15

Spring Semester

ENGL	2311	Technical & Business Writing** or ENGL 1302 Composition II and 3 credits Speech (1311, 1315, 1318, 1321).....	3-6
RNSG	2441	Advanced Concepts of Clinical Decision-Making +	4
RNSG	1251	Care of the Childbearing Family.....	2
RNSG	2221	Management of Client Care.....	2
RNSG	2361	Clinical-Nursing V-Registered Nurse Training.....	3
		Total	14-17
		Total Hours	60-63

**Course includes speech component

*Exit Exam – All candidates will be required to pass an exit exam before graduating from the ADN Program.

VOCATIONAL NURSING

This one-year Vocational Nursing (VN) program is designed to prepare students with the experience and education to function in a variety of health care settings under the supervision of a registered nurse. Upon successful completion of the program, a certificate is awarded by Temple College, and allows graduates to apply to take the state licensing examination for vocational nursing. Completion of the VN program does not guarantee admittance to the vocational nursing licensure examination. Graduates will be required to answer questions about their drug, alcohol, psychiatric, and/or conviction history for determination of eligibility to take the licensing examination for vocational nursing. Further information is available in the office of the VN department.

PHILOSOPHY

The philosophy of the Temple College Vocational Nursing program reflects the beliefs of the faculty and provides the foundation for the nursing program. The philosophy of the program complements the institution's mission statement by providing quality education to prepare VN graduates who are capable of entry-level employment in the diverse community served by Temple College. The purpose of the VN program is to provide assistance in supplying the Central Texas area with qualified vocational nurses who are prepared to take the National Council Licensure Examination to become licensed vocational nurses.

The Vocational Nursing Faculty supports the following beliefs:

Individual - Each individual is recognized as a holistic being with physical, psychological, socio-

cultural and spiritual dimensions which are interrelated to create a whole. Individuals continuously adapt to an ever changing environment while experiencing varying degrees of health throughout the lifespan. Therefore, each person has the right to make positive lifestyle choices for his/her health to maintain optimum quality of life. These lifestyle choices must focus on meeting the basic needs that are essential to life and progress toward self-actualization. Each individual has the right and responsibility to be given treatment in a caring manner and to be actively involved in planning this care to meet their individual needs.

Society - A society is formed by the networking of individuals, families, and communities. Each person brings to this group their own perceptions, values, attitudes, skills and knowledge. In a society that is dynamic and culturally diverse, everyone benefits when individuals work together to form common goals that meet the needs of all members.

Nursing - Nursing synthesizes knowledge from both the arts and the sciences to form the theoretical base for the profession. It combines the art of caring and nurturing with scientific principles and skills in providing preventative, therapeutic, and rehabilitative care for individuals and families. The nursing process is used as a basis for providing a systematic decision making approach in providing holistic care to clients in various stages of the life cycle. As nurses increase their levels of expertise, they demonstrate competency in the roles of provider of care, coordinator of care, and member of a profession according to their levels of responsibility.

Vocational nursing - The vocational nurse is an integral component of the health care team. Each nurse provides direct basic care for multiple clients in structured settings and assists in the coordination of care in collaboration with other health care professionals. These nurses recognize the role of nursing research in improving client care. Vocational nurses are accountable for their own actions and must provide a standard of practice that is within legal and ethical parameters. Each nurse must seek opportunities that promote personal and professional growth.

The teaching-learning process - Learning is defined as an interactive process demonstrated as a partnership that fosters professional growth. The teaching-learning process must be individualized and collaborative. The faculty must provide a curriculum that is continuously evaluated to meet the ever changing educational and technological needs of society. Faculty members must inspire excellence as they serve as role models and facilitators in providing learning experiences that target the learner's needs. The student must demonstrate responsibility for learning by actively participating in the learning process. Learning experiences proceed on a continuum from simple to complex.

Nursing education - All nursing education consists of nursing theory principles integrated with clinical experiences in varied health care settings. Nursing education empowers students to problem solve and use critical thinking skills to seek solutions to problems. Students from diverse cultural and educational backgrounds must be provided opportunities to develop the knowledge, attitudes, and skills necessary to become competent, caring, and legal-ethical members of the health care team. Quality nursing education must be provided in an environment conducive to helping students achieve their personal and professional goals.

Education as a lifelong process - Education is a process that enhances one's knowledge by building on experiences and skills. Therefore, the basic blocks for learning must be formed into a strong foundation so that learning can continue as a lifelong process. As each person acquires skills, knowledge, and legal-ethical growth, their educational goals may be attained for the present, but new ones should be formed for the future. Each person must learn to evaluate their need for continuing education to maintain a lifelong accountability in their educational journey.

ADMISSION TO THE VN PROGRAM

Students desiring admission to the Vocational Nursing program must meet the following requirements:

1. Complete the Temple College admission procedure.
2. Complete the admission procedure for the VN Department:
 - Schedule to take the nursing pre-test. The Nursing Entrance Test (NET-PN) is the pre-entrance departmental aptitude test used by the VN program. This test score is valid for one year. A passing composite score is required in order to be considered for acceptance by the VN program. This pre-entrance examination is given in November, December and January for the summer class. Check with the Vocational Nursing Office for specific testing dates. Study guides for the NET-PN are available in the Temple College bookstore. The NET-PN is given in the Testing Center, located in the One College Centre.
 - Complete an application from the VN Department after taking the pre-entrance test.
 - Furnish evidence of an official high school transcript showing evidence of graduation or an official

- General Education Development Equivalency certificate.
 - If you have college credits that apply toward the VN curriculum, you must furnish official transcripts of all course work from these colleges or universities. Biological Science courses must have been taken within the past ten years.
3. After satisfactory completion of the above admission process, applicants will be notified by letter of whether or not they were conditionally accepted into the program.
 4. After conditional acceptance to the VN program, the following requirements must be completed:
 - A satisfactory criminal background history check (specific instructions will be given). Any healthcare facility associated with Temple College may also require criminal background history checks. Permission to perform the criminal background history check must be given by the student. Failure to give permission could result in dismissal from the program. It may be necessary to dismiss students from a program if they are barred from practicing at any healthcare facility. Future employment and licensing may be affected by the results of a criminal background history check. The Board of Nurse Examiners for the State of Texas will also conduct a criminal background history check at the completion of the program. The background history check you will do for us will NOT guarantee you will meet the BNE requirements.
 - A current physical examination (within six months prior to beginning the nursing program) verifying good physical and mental health with required immunizations. Note: Students shall receive a complete series of Hepatitis B vaccine prior to the start of direct patient care.
 - Provide written documentation of successful completion of a CPR course designed for health care providers (e.g., **Basic Cardiac Life Support for Health Care Providers** from American Heart Association or **CPR for the Professional Rescuer** from the American Red Cross). No student will be permitted in the clinical setting without current documentation on file (must remain current throughout the VN program).
 5. In the event the application is rejected, the applicant may request a meeting with the VN Department Chairman. Such a request is submitted in writing and includes reasons why the application should be reviewed.
 6. All nursing students will be required to purchase professional liability insurance at the time of registration. Additional expenses incurred as part of the program are the responsibility of the student.

Note: Admission to Temple College does not constitute automatic acceptance into the nursing program. Admission to the nursing program is determined during the early spring for the summer semester. In the case of competitive admissions, requirements over and above the minimum may be necessary.

Applications will not be processed if any of the stated admission requirements are missing or incomplete.

Students seeking admission to the VN program are admitted to the program on the basis of the following criteria, with maximum point totals awarded as indicated:

- Pre-entrance test scores (4 points)
- Completion of these two courses: (1 point)
 1. BIOL 2404: Intro to Anatomy and Physiology
 2. ITSE 1294: Special Topics in Computer Science
- Temple College Service Area Residency Status (1 point)

Point totals are then used to rank candidates into priority groupings of I, II, III. Admission will be approved from within the priority groups with all criteria taken into consideration, not point totals alone. Any applicant scoring below 41 on the NET-PN composite score, or ranking below priority grouping III, will not be considered for admission.

One point will be deducted from an applicant's point total if the applicant has failed any nursing course in another vocational nursing program.

PROMOTION

Once a student is accepted into and begins the VN curriculum, it is expected that the student will continue to progress directly to the next semester's courses. In order to do this, the student must:

1. Have completed all previously required courses with a "C" grade (2.0 based on a 4.0 scale) or better;
2. Maintain good academic standing (see the College catalog, Minimum Academic standards, Scholastic Probation, & Scholastic Suspension policies);
3. Meet all general Temple College requirements (be approved for registration).
4. Failure in any required nursing course indicates the possibility of failure on the board exam. Therefore, after a second nursing program failure or withdrawal for any reason, a student may not reapply.

In all nursing courses, the following grading scale will be used.

Numerical Value	Letter Grade	Points
100-93	A	4.0
92-85	B	3.0
84-75	C	2.0
Below 75	F	0

The minimum passing grade in each nursing course is a "C" or 2.0 on the 4.0 scale. Further grading criteria can be found in each course outline.

READMISSIONS

Students may apply for readmission to the VN program following their withdrawal or dismissal by submitting a new application to the VN Program office. Students requesting readmission who have successfully completed any nursing courses more than two years prior to the request will be required to repeat the admission process and re-enroll in all nursing program courses. All policies specified by Temple College for readmitting students will apply (see the College catalog section on readmission under the Application for Admission policy). Applicants being readmitted to the first semester of nursing courses will be considered using the same criteria as new applicants. All requests for readmission are determined by the priority criteria as listed below. Applicants being considered for readmission to other semesters will be considered on a space available basis by the VN Department Chairman (See prioritization listing).

The Department Chairman will review the applicant's record and make the recommendations as to placement in the program.

A student who was dismissed for an unsatisfactory grade in a nursing course (class and/or clinical) will be asked to discuss the problems that led to dismissal and actions that have been taken that would enable him/her to reasonably expect success in completing the program, passing the licensing exam, and contributing to the profession of nursing.

After a second nursing program failure or withdrawal, a student is not eligible for readmission.

TRANSFER TO THE TC VN PROGRAM FROM ANOTHER NURSING PROGRAM

Transfer students who have been enrolled in an approved VN level nursing school will be considered by the Department Chairman for admission on a space available basis. Also, all policies specified by Temple College for accepting transfer students will apply (see the College catalog section on transfer students under Application for Admission and Academic Honors and Standards policies).

Required non-nursing courses will be evaluated for transferability by the Division Director of Enrollment Management and the VN Department Chairman. The student must arrange for all official transcripts to be sent directly to the Admissions and Records office for any non-nursing course they wish to have considered for transfer. In addition, if a course description is not readily available in the Admissions and Records office, the student will be responsible for providing a copy of the appropriate course description prior to the final determination. An official copy of the transcript and course description should also be sent to the VN Department office.

Required nursing courses will be evaluated for transferability by the VN Department Chairman, in association with the Division Director of Enrollment Management. The student must arrange for an official transcript to be sent directly to the Admissions and Records office. In addition, the student will be responsible for providing a copy of the course description, syllabus, objectives, and an official transcript to the VN Department Chairman. Prior to the final determination, the VN Department Chairman may request the student to provide further information and may consult with specific faculty regarding the acceptability of potential nursing transfer courses into the Temple College curriculum.

Upon final determination of the transferability of any courses, the VN Department Chairman will approve the curriculum plan to be followed by the transfer student. Any student transferring into the nursing program from another nursing program will enter Temple College VN program with only one attempt to complete the program.

PRIORITIZATION LISTING FOR READMISSIONS AND TRANSFERS

Request for readmission or transfer students will be prioritized as follows:

1. First priority: Former Temple College students with a passing grade in previous nursing courses.
2. Second priority: Transfer students with passing grades in previous nursing courses.
3. Third priority: Former Temple College students with a previous nursing course failure.
4. Fourth priority: Transfer students with a previous nursing course failure.

Within each priority group, preference is given based on nursing GPA.

EXIT EXAM

All candidates for graduation will be required to pass an exit level exam before graduating from the Vocational Nursing program.

CERTIFICATE OF VOCATIONAL NURSING
(TSI WAIVED)

Note: This is a full-time program. All individuals admitted to this program must enroll in a prescribed set of courses for three consecutive semesters. Individuals may not enroll on a part-time student basis.

VOCATIONAL NURSING REQUIREMENTS (47 semester hrs.)**Summer semester**

VNSG 1423	Basic Nursing Skills.....	4
BIOL 2404	Intro to Human Anatomy & Physiology	4
VNSG 1126	Gerontology	1
VNSG 1122	Vocational Nursing Concepts.....	1
VNSG 1160	Clinical – LVN Training I	1
VNSG 1136	Mental Health	1
	Total	12

Fall semester

VNSG 1330	Maternal-Neonatal Nursing.....	3
VNSG 2331	Advanced Nursing Skills	3
VNSG 1231	Pharmacology	2
VNSG 1509	Nursing in Health & Illness II	5
VNSG 1560	Clinical – LVN Training II	5
	Total	18

Spring Semester

VNSG 1334	Pediatrics	3
VNSG 1510	Nursing in Health & Illness III	5
ITSE 1294	Special Topics in Computer Science	2
VNSG 2561	Clinical – LVN Training III	5
VNSG 1119	Professional Development	1
VNSG 1138	Mental Illness.....	1
	Total	17
	Total Hours	47

RESPIRATORY CARE

The Respiratory Care Program is accredited by the Committee on Accreditation for Respiratory Care Education (CoARC) of the Commission on Accreditation of Allied Health Education Programs (CAAHEP). The program provides educational experiences and all course work necessary to prepare the student as an advanced respiratory therapist and qualify the graduate for the credentialing exams offered by the National Board for Respiratory Care (NBRC). Students desiring admission into the Respiratory Care Program must first meet the basic entrance requirements for Temple College. They then must file for admission to the Respiratory Care Program.

Program Admission Criteria

- I. A completed portfolio should be submitted to the Respiratory Care Department by the third Monday in June. The portfolio should contain the following:
 - A. Texas Success Initiative scores - all candidates should have passed all three parts of an assessment test by this time in order to be considered for full enrollment.
 - B. Departmental aptitude test: HOBET - all candidates should achieve the minimum passing score established by the department for the test.
 - C. Complete a structured tour at the VA and Scott & White hospitals and turn in the appropriate report form.
 - D. Copies of all relevant transcripts: (1) High School, (2) College/University, (3) Military Service schools, (4) other (proprietary schools, etc.)
 - E. Two letters of reference.
 - F. Complete a series of mandated immunizations, including Hepatitis B (the first two inoculations in the series must be completed by the end of June of the year the student seeks admission into the program).
 - G. Complete a physical exam and receive medical clearance to participate in the program.
 - H. Special consideration will be given to those prospective students desiring admission who are transferring from military programs and/or those programs accredited by CoARC.
- II. Interview with the Respiratory Care selection panel. Candidates will be interviewed separately by at least three different panel members.
- III. Letters of notification should be mailed by the close of business on the Friday following the selection process. In the event a candidate is not selected for entry into the program at this time, alternatives will be made available at the candidate's request.

Criminal background checks will be required by clinical affiliated healthcare institutions, and it is the responsibility of the student to pay for and have such a background check performed no more than 30 days prior to the beginning of the first clinical course. Drug screenings may also be done for cause at any time by Temple College or any health care facility associated with Temple College. Permission for the criminal background check must be given by the student. Failure to give permission will result in the student being ineligible for admission to the program.

PROMOTION

Students must maintain a "C" or better course grade in all respiratory care classes in order to continue in the program on schedule. In all other supporting classes the student must maintain at least an overall "C" (2.0) average. Failure to maintain academic requirements may temporarily or permanently discontinue the student's progress in the program. Re-admission to the program is not guaranteed but depends on the availability of available training slots and resolution of issues related to the non-passing grade at the time the student desires re-entry. Re-admission is also contingent upon review and evaluation of the student's grades, performance and remediation while previously enrolled in the program, as well as work completed since that time. In these the Department Chairman and Faculty will meet to approve the student's readmission into the program and determine needed course requirements.

A grade of "D" in any Respiratory Care course will result in the student having to "Stop Out;" i.e., being dropped from the program until the next year, when the course may be repeated. A particular course may be repeated only once. If a student is unsuccessful the second time they will be dropped from the program permanently. A student may not make more than two D grades in the entire program without being dropped. A grade of "F" will result in the student being dropped from the program without recourse to reapply.

Liability insurance for clinical practice is purchased through the College at approximately \$28. The cost is assessed as part of the fee for the first clinical course (RSPT 1360) and covers the student for the rest of the program.

Students must take a comprehensive NBRC-like exit exam as a major curriculum component in order to fully satisfy the requirements for the last clinical course (RSPT 2362). Students will have an additional opportunity to pass the exit examination if they are unsuccessful on the first administration. When all curriculum requirements are satisfied an Associate of Applied Science Degree is awarded. The student then becomes an advanced respiratory therapist graduate and upon applying to the Texas Department of State Department of Health Services is eligible to be credentialed as a

Respiratory Care Practitioner (RCP) once the Certified Respiratory Therapist credential is attained. The graduate, should expect to take the CRT as soon as possible after graduation which will then enable them to sit for the two-part Registry Examination for Advanced Respiratory Therapy Practitioners offered by the NBRC. Upon passing both the Written Registry and Clinical Simulation exams the candidate becomes a Registered Respiratory Therapist (RRT).

Students are encouraged to become student members of the American Association for Respiratory Care, Texas Society for Respiratory Care, and the Association of Respiratory Care Students (a TC student club.) Each of these organizations will aid the student in becoming more familiar with the field of respiratory care.

ASSOCIATE OF APPLIED SCIENCE DEGREE

Respiratory Care

PREREQUISITES

ENGL 1301	Composition I.....	3
BIOL 2401	Human Anatomy and Physiology I.....	4
Elective	Social/Behavioral Science	3
	Total	10

FIRST YEAR

Fall Semester

RSPT 1410	Respiratory Care Procedures I.....	4
RSPT 1307	Cardiopulmonary Anatomy and Physiology.....	3
RSPT 1201	Introduction to Respiratory Care	2
BIOL 2402	Human Anatomy and Physiology II.....	4
	Total	13

Spring Semester

RSPT 2317	Respiratory Care Pharmacology	3
RSPT 1411	Respiratory Care Procedures II.....	4
RSPT 1360	Clinical - Respiratory Therapy Technician.....	3
RSPT 2310	Cardiopulmonary Disease.....	3
	Total	13

Summer (12 weeks)

RSPT 2660	Clinical - Respiratory Therapy Technician.....	6
	Total	6

SECOND YEAR

Fall Semester

RSPT 2305	Pulmonary Diagnostics	3
RSPT 2414	Mechanical Ventilation	4
RSPT 2353	Neonatal/Pediatric Cardiopulmonary Care.....	3
RSPT 2361	Clinical - Respiratory Therapy Technician.....	3
ENGL 2311	Technical & Business Writing.....	3
	Total	16

Spring Semester

RSPT 2239	Advanced Cardiac Life Support.....	2
RSPT 2230	Exam Preparation.....	2
RSPT 2425	Cardiopulmonary Diagnostics	4
RSPT 2362	Clinical - Respiratory Therapy Technician.....	3
Elective	Fine Arts/Humanities.....	3
	Total	14
	Total Hours	72

SURGICAL TECHNOLOGY

The one-year (full-time) Surgical Technology Program provides technical and educational experiences that prepare the graduate for the position as a surgical technologist in the operating room and to meet the eligible criteria to write the national certification examination sponsored by the National Board of Surgical Technology and Surgical Assisting. New classes begin in the summer semester of each year. Applications are processed prior to the actual beginning of the surgical technology classes. Admission to the program is based upon completion of all requirements as listed below with student selection according to the HOBET reading and math scores, with emphasis placed on the reading scores.

Criminal background history checks are required before entry into the clinical sites. Drug testing may be administered at any time by Temple College or any health care facility associated with Temple College. The criminal background history check will be at the expense of the student. Failure to meet the criminal background requirements of the clinical sites will result in dismissal from the program.

Updated and supplemental information can be viewed on the Temple College website, www.templejc.edu/dept/SurgTech/SurgTech1.htm.

Students desiring admission to the Surgical Technology Program must complete the following:

1. Complete the Temple College admission procedure.
2. Attend Surgical Technology Information Session (call department for dates and time).
3. Pass the HOBET pre-entrance examination with established departmental minimum scores.
4. Submit a formal application to the program.

Uniforms in the classroom will consist of a Caribbean blue scrub suit with name badge, white below knee-length lab coat with attached ST patch, and white duty shoes. A list of anticipated expenditures is provided at the Information Session.

Prior to entering the clinical phase, students will be required to meet the criminal background requirements and submit a physical examination, including immunizations and medical-mandated tests, with medical clearance by a physician. Note: the Hepatitis B series of immunizations must be completed before entry into the clinicals the end of September.

Requirements for graduation include:

1. Complete all courses as required in the stated Surgical Technology curriculum with a grade of "C" or better.
2. Successfully pass the Surgical Technology Exit Examination.
3. Complete stated clinical competencies.
4. Present a current "Health Care Provider" or "Professional Rescuer CPR" certificate.
5. Write the Program Assessment Examination.

Students are encouraged to join the Association of Surgical Technologists, Inc. Additional information concerning a career as a surgical technologist is available at www.ast.org.

LEVEL I - CERTIFICATE (TSI WAIVED) Surgical Technology

Summer Entry

First Semester

BIOL	2404	Introduction to Human Anatomy & Physiology.....	4
SRGT	1301	Medical Terminology	3
SRGT	1509	Fundamentals of Perioperative Concepts and Techniques	5

Second Semester (Fall Semester)

First 4 Weeks

SRGT	1505	Introduction to Surgical Technology.....	5
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Last 12 Weeks

SRGT	1541	Surgical Procedures I.....	5
SRGT	1560	Clinical - Surgical Technology/ Technologist, Introductory.....	5

Third Semester (Spring Semester)

First 8 Weeks

SRGT	1542	Surgical Procedures II.....	5
SRGT	1361	Clinical - Surgical Technology/ Technologist, Intermediate	3

Second 8 Weeks

SRGT	1462	Clinical - Surgical Technology/ Technologist, Advanced.....	4
SRGT	2130	Professional Readiness	1
Total Hours			40