LAMAR INSTITUTE OF TECHNOLOGY

PROFESSIONAL STANDARDS

HANDBOOK

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Introduction

At Lamar Institute of Technology (LIT), our commitment to excellence in education begins with the recruitment, development, and retention of highly qualified faculty and academic administrators. These professionals are the cornerstone of our mission to provide innovative, workforce-focused programs that meet the evolving needs of our students and community.

The Professional Standards for Faculty and Academic Administrators serve as a foundational guide to ensure consistency, transparency, and accountability in academic practices across the institution. These standards reflect LIT's dedication to:

1) Hiring and retaining qualified personnel who meet or exceed the credentialing requirements established by accrediting agencies;
2) Standardizing academic and administrative practices to promote fairness and operational efficiency;
3) Ensuring compliance with institutional policies, the Texas State University System (TSUS) Rules and Regulations, and applicable state and federal guidelines.

By aligning our professional expectations with best practices and accreditation standards, LIT fosters a culture of integrity, continuous improvement, and student-centered excellence. This document is intended to support faculty and academic leaders in upholding these values while advancing the strategic goals of the college.

Equal Employment Opportunity

Regarding employment, it is the policy of Lamar Institute of Technology (LIT) to ensure equal employment opportunity for all individuals. This means that LIT will seek to ensure by all lawful means at its disposal that all prohibited discriminatory conditions in employment are eliminated and that employment policies do not operate to the detriment of any person on the grounds of non-relevant criteria including, but not limited to race, color, religion, sex, national origin, age, disability, or veteran status. Lamar Institute of Technology will also ensure that the practices of those responsible in matters of employment and supervision are nondiscriminatory.

Accreditation

Lamar Institute of Technology (LIT) is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award associate degrees. Lamar Institute of Technology also may offer credentials and diplomas at approved degree levels. Questions about the accreditation of Lamar Institute of Technology may be directed in writing to the Southern Association of Colleges and Schools Commission on Colleges at 1866 Southern Lane, Decatur, GA 30033-4097, by calling (404) 679-4500, or by using information available on SACSCOC's website (www.sacscoc.org).

Table 1 below identifies program specific accreditations and regulating agencies.

Program	Accreditor/Regulatory Agency
Dental Hygiene	American Dental Association Commission on Dental Accreditation (CODA)
Diagnostic Cardiac Sonography	The Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC/DMS)
Diagnostic Medical Sonography	The Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC/DMS)
Emergency Medical Technician – Paramedic	Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Committee

	on Accreditation of Educational Programs for the Emergency Medical Professions (CoAEMSP)
Health Information Technology	The Commission on Accreditation for Health Informatics and Information Management (CAHIIM)
Medical Assistant	*Pending*
Nursing	*Pending*
Radiologic Technology	The Joint Review Committee for Education in Radiologic Technology (JRCERT)
Regional Fire Academy	Texas Commission on Fire Protection
Regional Police Academy	Texas Commission on Law Enforcement
Respiratory Therapy	Commission on Accreditation for Respiratory Care (CoARC)

Professional Standards

General Employment Criteria

The college bases decisions on employment solely upon an individual's qualifications and experience for the position being filled. All employees are required to comply with Federal and State laws, Texas State University System (TSUS) Rules and Regulations, and such other policies, procedures, regulations, memoranda, bulletins, and handbooks as pertaining to their duties with the college. It shall be the responsibility of a prospective employee to provide transcripts and/or verifications of work experience as appropriate and to document that the minimum criteria for employment have been met. Degrees and/or course work used to meet employment criteria must be from U.S. Department of Education recognized accrediting agencies unless approved by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) liaison as appropriate academic preparation. The department chair and dean responsible for oversight of the program area will evaluate the educational/experiential qualifications of all proposed instructors. The Provost/Vice President for Instruction will evaluate the educational/experiential qualifications of all proposed instructors and educational/student support professionals. The Institutional Accreditation Liaison will ensure that evidence of appropriate academic preparation and/or experience is documented and maintained.

Academic Administrative Personnel

Academic administrative personnel are employees whose primary duty is performing administrative functions directly related to academic instruction. This includes Professional Advisors, Department Chairs, Deans, and the Provost.

Professional Advisors must possess:

a. The minimum of a bachelor's degree; and
b. Verified success in educational endeavors and/or previous employment

Department Chairs must possess:

a. The minimum of a bachelor's degree; and
b. Verified success in higher education instruction

Deans must possess:

a. The minimum of a bachelor's degree; and
b. Verified success in higher education instruction; and

c. Verified success in higher education administration

The Texas State University System (TSUS) Board of Regents may overturn the hiring of an individual for the position of Dean.

The provost must possess:

a. A terminal degree;
b. Verified success in higher education instruction; and
c. Verified success in higher education administration

The provost is subject to approval by the TSUS Board of Regents.

Instructional Personnel

Academic Courses [courses listed in the Academic Course Guide Manual (ACGM)]:

Instructors must possess:

a. A master's degree in the teaching discipline, or a master's degree with eighteen (18) graduate hours in the teaching discipline; and

b. Verified success in educational endeavors and/or previous employment.

   Note: In exceptional cases, outstanding professional experience, and demonstrated competency in the teaching discipline may be considered in lieu of formal academic preparation.

Technical Courses [courses listed in the Workforce Education Course Manual (WECM)]:

Instructor must possess:

a. A Baccalaureate degree in the teaching discipline, or an associate degree and demonstrated competencies in the teaching discipline; and

b. Verified success in educational endeavors and/or previous employment.

In select career and technical education programs, faculty may also be required to have national accreditation, a current professional license, and/or certificate in the discipline.

Developmental Courses:

Faculty teaching developmental courses in reading, writing, or mathematics should have a minimum of:

    a. a bachelor's degree in a discipline related to the teaching assignment.

    b. In addition, the faculty member should have at least one (1) of the following:

        a. Elementary, secondary, or all-level teaching certificate from any state;
        b. Teaching experience in the classroom within a field related to the teaching assignment; or
        c. Graduate course in teaching underprepared students.

Faculty teaching a College Success Skills Course (DORI) must have:

    a. a Baccalaureate degree; and
    b. teaching experience or relevant higher education experience.

Online Courses:

Faculty teaching an online course(s) must successfully complete the Online Instructor Certification Program offered by the Office of Online Learning. Exemptions for the Online Instructor Certificate Program may be granted by the Director of Online Learning for previous experiences, training, or relevant credentials.

Alternative Credentialing:

Faculty members may have experience that clearly contributes to student learning outcomes and can be considered in lieu of formal academic preparation. The institution may consider competence in the field, national accreditation, professional licensure, and/or certificates, honors and awards, continuous documented excellence in teaching or other demonstrated competencies and achievements that contribute to effective teaching and student learning outcomes. When a prospective instructor does not meet the educational requirements outlined above but does possess outstanding professional experience or relevant industrial certification/licensure, the individual may qualify to be alternatively credentialed.

To alternatively credential an instructor, two or more current faculty must review the applicants' experience and recommend alternative credentialing by completing the *Alternative Credentialing Justification* form. The reviewing faculty should be from the same or closely related discipline. The completed form should state the case for credentialing and will be submitted with the applicants' credentialing packet along with all supporting documents.

<u>Workforce Training and Continuing Education</u>:

Instructor credentials must be reviewed and approved by the program supervisor. Instructors must demonstrate adequate educational background or special expertise in the area to be taught. Documentation of expertise shall be maintained in the course files.

Specialized Programs

Dental Hygiene

<u>Program Director</u>: The Program Director must be a full-time employee of Lamar Institute of Technology. Their primary responsibility is for operation, supervision, evaluation, and revision of the Dental Hygiene program. The Program Director must be a dental hygienist or a dentist who is a graduate of a program accredited by the Commission on Dental Accreditation and possesses a master's or higher degree, who has background in education and the professional experience necessary to understand and fulfill the program goals.

<u>Faculty</u>: All faculty who teach in a didactic course must possess a baccalaureate or higher degree. All faculty whose teaching is limited to a clinical and dental science laboratory course must possess an associate or higher degree.

Emergency Medical Services

<u>Program Director</u>: The Program Director must have a minimum of a bachelor's degree or the equivalent to direct a Paramedic program and a minimum of an associate's degree to direct an Advanced Emergency Medical Technician program. The program Director must have documented education or experience in instructional methodology, academic training and experience equivalent to that of a paramedic, experience in the delivery of prehospital emergency care; and knowledge about current versions of the National EMS Scope of Practice and National EMS Standards, and about evidenced-informed clinical practice. It is recommended that the Program Director have a master's degree and that the program director's degree be in a health-related profession, EMS, or education.

<u>Medical Director</u>: The Medical Director must be a physician currently licensed and authorized to practice in the state in which the program is located, and board certified or the equivalent. They must have adequate training or experience in the delivery of out-of-hospital emergency care, including the proper care and transport of patients, medical direction, and quality improvement in out-of-hospital care. The Medical Director must

have the requisite knowledge and skills to advise the program leadership about the clinical/academic aspects of the program, be knowledgeable about the education of the EMS Professions, including professional, legislative and regulatory issues regarding the education of the EMS professions, and in teaching subjects assigned, when applicable. It is recommended that the Medical Director be board certified in EMS Medicine or Emergency Medicine.

Faculty/Instructional Staff: Faculty/Instructional Staff must be effective in teaching and knowledgeable in subject matter as documented by appropriate professional credential(s)/certification(s), education, and experience in the designed content area.

Clinical Coordinator: The Clinical Coordinator must have documented experience in EMS, possess knowledge of the curriculum, and about the program's evaluation of student learning and performance.

Health Information Technology

Program Director: The Program Director must be certified as a Registered Health Information Technician (RHIT) or Registered Health Information Administrator (RHIA). They must possess a baccalaureate degree. The Program Director must be a full-time position.

Faculty: The faculty member must hold an AHIMA credential and have a degree and/or certification in their assigned teaching area.

Medical Assistant

Radiology

Program Director: The Program Director must hold a master's degree and be proficient in curriculum design, evaluation, instruction, program administration, and academic advising. They must have three (3) years' clinical experience in the professional discipline and two years' experience as an instructor in a JRCERT-accredited program. The Program Director must hold current American Registry of Radiologic Technologists (ARRT) certification and registration, or an unrestricted Texas license, in radiography.

Clinical Coordinator: The Clinical Coordinator must hold, at a minimum, a bachelor's degree and be proficient in curriculum development, supervision, instruction, evaluation, and academic advising. They must document two (2) years' clinical experience in the professional discipline and one (1) years' experience as an instructor in a JRCERT-

accredited program and hold current American Registry of Radiologic Technologists (ARRT) certification and registration, or an unrestricted Texas license, in radiography.

Full-time Didactic Faculty: Full-time Didactic Faculty must hold a bachelor's degree and be proficient in course development, instruction, evaluation, and academic advising. They must document two (2) years' clinical experience in the professional discipline and hold current American Registry of Radiologic Technologists (ARRT) certification and registration, or an unrestricted Texas license, in radiography.

Adjunct Faculty: Adjunct faculty must hold academic and/or professional credentials appropriate to the subject content area taught and be knowledgeable of course development, instruction, evaluation, and academic advising.

Clinical Preceptor: Clinical Preceptors must be proficient in supervision, instruction, and evaluation. They must document two (2) years' clinical experience in the professional discipline and hold current American Registry of Radiologic Technologists (ARRT) certification and registration, or an unrestricted license for the state in which the clinical setting is located, in radiography.

Clinical Staff: Clinical Staff must hold current American Registry of Radiologic Technologists (ARRT) certification and registration, or an unrestricted license for the state in which the clinical setting is located, in radiography.

Regional Fire Academy

Director of Fire Protection Technology: The Director of Fire Protection Technology must possess, at a minimum, Fire Service Instructor III certification.

Regional Police Academy

Director of Police Academy: The Director of Police Academy must:

(1) minimum age requirement:

(A) 21 years of age for providers who provide a peace officer basic licensing course, or 18 years of age if the individual has received:

(i) an associate's degree or 60 semester hours of credit from an accredited college or university; or

(ii) an honorable discharge from the armed forces of the United States after at least two years of active service; or

(B) 18 years of age for providers who provide jailer or telecommunicator basic licensing courses;

(2) minimum educational requirements:

(A) holds a valid instructor proficiency certificate or license;

(B) has completed the basic training coordinator course:

(i) for an initial appointment as a training coordinator, within six months after appointment; or

(ii) for any subsequent appointment, prior to being appointed; and

(C) satisfies one of the following requirements:

(i) has passed a general educational development (GED) test indicating high school graduation level;

(ii) holds a high school diploma; or

(iii) has an honorable discharge from the armed forces of the United States after at least 24 months of active-duty service;

(3) is fingerprinted and is subjected to a search of local, state and U.S. national records and fingerprint files to disclose any criminal record;

(4) has never been on court-ordered community supervision or probation for any criminal offense above the grade of Class B misdemeanor or a Class B misdemeanor within the last ten years from the date of the court order;

(5) is not currently charged with any criminal offense for which conviction would be a bar to licensure;

(6) has never been convicted of an offense above the grade of a Class B misdemeanor or a Class B misdemeanor within the last ten years;

(7) has never been convicted or placed on community supervision in any court of an offense involving family violence;

(8) for providers who provide a peace officer basic licensing course, is not prohibited by state or federal law from operating a motor vehicle;

(9) is not prohibited by state or federal law from possessing firearms or ammunition;

(10) has been subjected to a background investigation completed by the training provider into the individual's personal history. A background investigation shall include, at a minimum, the following:

    (A) the training provider shall:

        (i) require completion of the commission-approved personal history statement; and

        (ii) meet all requirements enacted in Texas Occupations Code §1701.451, including submission to the commission of a form confirming all requirements have been met. An in-person review of personnel records is acceptable in lieu of making the personnel records available electronically if a hiring training provider and a previous employing training provider or law enforcement agency mutually agree to the in-person review;

(11) examined by a physician, selected by the training provider, who is licensed by the Texas Medical Board. The physician must be familiar with the duties of a training coordinator. The individual must be declared by that professional, on a form prescribed by the commission, within 180 days before the date of appointment by the training provider to be:

    (A) physically sound and free from any defect which may adversely affect the performance of duties of the training coordinator; and

    (B) show no trace of drug dependency or illegal drug use after a blood test or other medical test;

(12) examined by a psychologist, selected by the training provider, who is licensed by the Texas State Board of Examiners of Psychologists. This examination may also be conducted by a psychiatrist licensed by the Texas Medical Board. The psychologist or psychiatrist must be familiar with the duties appropriate to a training coordinator. The individual must be declared by that professional, on a form prescribed by the commission, to be in satisfactory psychological and emotional health to serve as a training coordinator. The examination must be conducted pursuant to professionally recognized standards and methods. The examination process must consist of a review of a job description for a training coordinator; review of any personal history statements; review of any background documents; at least two instruments, one which measures personality traits and one which measures psychopathology; and a face-to-face interview conducted after the instruments have been scored. The individual must be declared by that professional, on a form prescribed by the commission, within 180 days before the date of the appointment by the training provider;

(13) has never received a dishonorable discharge from the armed forces of the United States;

(14) has not had a commission or out-of-state equivalent license denied by final order or revoked;

(15) is not currently on suspension, or does not have a surrender of a commission or out-of-state equivalent license currently in effect; and

(16) is a U.S. citizen or is a legal permanent resident of the United States, if the individual is an honorably discharged veteran of the armed forces of the United States with at least two years of service before discharge and presents evidence satisfactory to the commission that the individual has applied for United States citizenship.

Instructor: An instructor teaching a course in the police academy must hold a valid Texas Commission on Law Enforcement (TCOLE) instructor license, certificate, or be designated, in writing, as a subject matter expert in the course by the training coordinator.

Respiratory

Program Director: The Program Director must have earned at least a baccalaureate degree from an academic institution accredited by a federally recognized institutional accrediting agency. The Program Director must hold a valid Registered Respiratory Therapy (RRT) credential and current state license. They must have a minimum of four (4) years' experience as a RRT with at least two (2) years in clinical respiratory care. Additionally, they must have a minimum of two (2) years' experience teaching either as an appointed faculty member in a CoARC-accredited respiratory care program or as a clinical instructor/preceptor for students of such programs.

Director of Clinical Education: The Director of Clinical Education (DCE) must have earned at least a baccalaureate from an academic institution accredited by a federally recognized institutional accrediting agency. The DCE must hold a valid Registered Respiratory (RRT) credential and current state license. They must have a minimum of four (4) years' experience as a Registered Respiratory Therapist with at least two (2) years of clinical respiratory care. Additionally, the must have a minimum of two (2) years' experience teaching either as an appointed faculty member in a CoARC-accredited respiratory care program or as a clinical instructor/preceptor; and complete the CoARC Key Personnel Training Program.

Medical Director: The Medical Director must be a licensed physician and Board certified (as recognized by the American Board of Medical Specialties (ABMS) or American Osteopathic Association (ASA)) in a specialty relevant to respiratory care.

Sonography

Program Director: The program director must possess a minimum of a Baccalaureate degree with appropriate credential(s) specific to one of the concentrations. They must have documented experience in supervision, instruction, evaluation, student guidance, and educational theories and techniques. They must have a minimum of two years of clinical experience as a registered sonographer in the professional sonography field.

Clinical Coordinator: The Clinical Coordinator must possess, at a minimum, an associate degree and the appropriate credential(s) specific to the concentration(s) that s/he coordinates. They must also have documented experience in supervision, instruction, evaluation, student guidance, and educational theories and techniques. Additionally, they must have a minimum of two years of clinical experience as a registered sonographer in the professional sonography field.

Medical Advisor: The medical advisor must be a licensed physician, certified by the American Board of Medical Specialties (ABMS), with relevant experience and knowledge in diagnostic medical sonography.

Table of Faculty Credentialing – Educational Requirements

The following table identifies generally acceptable educational requirements for LIT faculty members teaching various courses. Faculty members who do not meet the minimum educational requirements may be credentialed using alternative credentialing procedures identified in procedure *LIT.1.11.03 Faculty Credentials*.

Demonstrated competencies – Documented evidence of success in the field. The following are examples of demonstrated competencies:

- 2 years non-teaching work experience in the field;
- 2 years successful[*] teaching experience in the field; or
- Certification or Licensure in the field

[*] Successful teaching can be demonstrated by student performance or teacher evaluation data.

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
ABDR 1349 Automotive Plastic and Sheet Molded Compound Repair ABDR 1431 Basic Refinishing ABDR 1455 Non-Structural Metal Repair ABDR 2449 Advanced Refinishing	X			Bachelor's degree in Automotive Technology **OR** Associate degree in Automotive Technology with *demonstrated competencies*
ACCT 2301 Principles of Financial Accounting ACCT 2302 Principles of Managerial Accounting		X		Doctoral or Master's degree in Accounting **OR** Master's degree with 18 graduate hours in Accounting
ACNT 1303 Introduction to Accounting I ACNT 1304 Introduction to Accounting II ACNT 1311 Introduction to Computerized Accounting ACNT 1313 Computerized Accounting Applications ACNT 1329 Payroll and Business Tax Accounting ACNT 1331 Federal Income Tax: Individual ACNT 1342 Intermediate Bookkeeping ACNT 1347 Federal Income Tax for Partnerships and Corporations ACNT 2309 Cost Accounting ACNT 2389 Internship - Accounting ACNT 2404 Intermediate Accounting II	X			Bachelor's degree in Accounting **OR** Associate degree in Accounting with *demonstrated competencies*
ARCE 1315 Structural Steel Detailing	X			Bachelor's degree in Civil Engineering, Mechanical Engineering, Structural Engineering, Architecture, or Construction Science **OR** Associate degree in Construction Science, Engineering Design Graphics, or Drafting with *demonstrated competencies*

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
ARTC 1302 Digital Imaging I ARTC 1310 Design Concepts ARTC 1313 Digital Publishing I ARTC 1317 Design Communication I ARTC 1349 Art Direction I ARTC 1353 Computer Illustration ARTC 2305 Digital Imaging II ARTC 2313 Digital Publishing II ARTC 2335 Portfolio Development for Graphic Design ARTC 2347 Design Communication II ARTC 2380 Cooperative Education - Commercial and Advertising Art	X			Bachelor's degree in Graphic Design **OR** Associate degree in Graphic Design, Visual Communication, or Commercial Art with *demonstrated competencies*
ARTS 1301 Art Appreciation		X		Doctoral or Master's degree in Art, Studio Art, Art History or Art Education **OR** Master's degree with 18 graduate hours in Art, Art History or Art Education
ARTV 1351 Digital Video	X			Bachelor's degree in Graphic Design **OR** Associate degree in Graphic Design, Visual Communication, or Commercial Art with *demonstrated competencies*

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
AUMT 1345 Automotive Climate Control Systems AUMT 1405 Introduction to Automotive Technology AUMT 1407 Automotive Electrical Systems AUMT 1410 Automotive Brake Systems AUMT 1416 Automotive Suspension and Steering Systems AUMT 1419 Automotive Engine Repair AUMT 2305 Automotive Engine Theory AUMT 2313 Automotive Drive Train and Axles AUMT 2380 Cooperative Education – Automotive Mechanic AUMT 2417 Automotive Engine Performance Analysis I AUMT 2425 Automotive Automatic Transmission and Transaxle AUMT 2434 Automotive Engine Performance Analysis II AUMT 2437 Automotive Electronics	X			Bachelor's degree in Automotive Technology **OR** Associate degree in Automotive Technology with *demonstrated competencies*
BCIS 1305 Business Computer Applications		X		Doctoral or Master's degree in Business, Computer Science or Management Information Systems **OR** Master's degree with 18 graduate hours in Business, Computer Science or Management Information Systems
BIOL 1106 Biology for Science Majors I Lab BIOL 1107 Biology for Science Majors II Lab BIOL 1306 Biology for Science Majors I BIOL 1307 Biology for Science Majors II		X		Doctoral or Master's degree in Biology, Biological Sciences, Biochemistry, Biomedical Science, Botany, Aquatic Biology, Integrative Biology, Marine Biology, Microbiology, Molecular Biology or Zoology **OR** Master's degree with 18 graduate hours in acceptable major listed

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
BIOL 1322 Nutrition & Diet Therapy		X		Doctoral or Master's degree in Nutrition **OR** Master's degree with 18 graduate hours in Nutrition/Nutrition related subjects.
BIOL 2101 Anatomy and Physiology I Lab BIOL 2102 Anatomy and Physiology II Lab BIOL 2301 Anatomy and Physiology I BIOL 2302 Anatomy and Physiology II BIOL 2404 Anatomy & Physiology (specialized)		X		Doctoral or Master's degree in Anatomy and/or Physiology, Doctor of Chiropractic **OR** Master's Degree with 18 hours of graduate coursework aligning with Human Anatomy and Physiology Society (HAPS) credentialing standards
BIOL 2120 Microbiology for Non-Science Majors Lab BIOL 2320 Microbiology for Non-Science Majors		X		Doctoral or Master's degree in Microbiology **OR** Master's degree with 18 graduate hours in Biology, Biological Sciences, Biochemistry, Biomedical Science, Botany, Aquatic Biology, Integrative Biology, Marine Biology, Molecular Biology or Zoology; including hours in Microbiology.
BIOM 1309 Applied Biomedical Equipment Technology BIOM 2331 Biomedical Clinical Instrumentation BIOM 2389 Internship – Biomedical Engineering-Related Technology	X			Bachelor's degree in Biomedical Engineering or related field **OR** Associate degree in Biomedical Engineering Technology with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
BMGT 1264 Practicum BMGT 1301 Supervision BMGT 1309 Information and Project Management BMGT 1313 Principles of Purchasing BMGT 1327 Principles of Management BMGT 1331 Production and Operations Management BMGT 1341 Business Ethics BMGT 2309 Leadership BMGT 2382 Cooperative Education-Business Administration and Management, General	X			Bachelor's degree in Business Administration/ Management **OR** Associate degree in Business Administration/ Management with ***demonstrated competencies***
BUSG 1380 Cooperative Education - Business/Commerce, General BUSG 2309 Small Business Management/Entrepreneurship	X			Bachelor's degree in Business Administration/ Management **OR** Associate degree in Business Administration/ Management with ***demonstrated competencies***
BUSI 1301 Business Principles BUSI 1307 Personal Finance BUSI 2301 Business Law BUSI 2305 Business Statistics		X		Doctoral or Master's in Business Administration **OR** Master's degree with 18 graduate hours in Business.

CDEC 1164 Practicum/Field Experience Child Development CDEC 1303 Families, School & Community CDEC 1311 Educating Young Children CDEC 1313 Curriculum Resources for Early Childhood Programs CDEC 1318 Wellness of the Young Child CDEC 1319 Child Guidance CDEC 1339 Early Childhood Development: 0-3 Years CDEC 1354 Child Growth & Development CDEC 1358 Creative Arts for Early Childhood CDEC 1359 Children with Special Needs CDEC 1417 Child Development Associate Training I CDEC 2287 Internship - Child Care Provider/Assistant CDEC 2304 Child Abuse and Neglect CDEC 2315 Diverse Cultural/Multilingual Education CDEC 2326 Administration of Programs for Children I CDEC 2328 Administration of Programs for Children II CDEC 2340 Instructional Techniques for Children with Special Needs CDEC 2386 Internship-Child Care Provider/Assistant CDEC 2387 Internship - Child Care Provider/Assistant CDEC 2422 Child Development Associate Training II CDEC 2424 Child Development Associate Training III	X			Bachelor's degree in Child Development or related field **OR** Associate degree in Child Development with ***demonstrated competencies***

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
CETT 1302 Electricity Principles CETT 1304 High-Reliability Soldering CETT 1321 Electronic Fabrication CETT 1325 Digital Fundamentals CETT 1345 Microprocessor CETT 1349 Digital Systems CETT 1357 Linear Integrated Circuits CETT 1402 Electricity Principles CETT 1403 DC Circuits CETT 1405 AC Circuits CETT 1409 DC-AC Circuits CETT 1415 Digital Applications CETT 1429 Solid State Devices CETT 1431 Programming for Discrete Electronic Devices CETT 1441 Solid State Circuits CETT 2337 Microcomputer Control CETT 2349 Research and Project Design CETT 2449 Research and Project Design	X			Bachelor's degree in Electrical Engineering, Mechanical Engineering, Industrial Engineering, or Electronics Technology **OR** Associate's degree in Electronics or Electronics Technology with **demonstrated competencies**
CHEF 1205 Sanitation and Safety CHEF 1365 Practicum – Culinary Arts CHEF 1401 Basic Food Preparation CHEF 2365 Practicum – Culinary Arts	X			Bachelor's degree in Culinary Arts or Food Science **OR** Associate degree in Culinary Arts or Food Science with **demonstrated competencies**
CHEM 1106 Introductory Chemistry I Lab CHEM 1111 General Chemistry I Lab CHEM 1112 General Chemistry II Lab CHEM 1306 Introduction to Chemistry I CHEM 1311 General Chemistry I CHEM 1312 General Chemistry II		X		Doctoral or Master's degree in Chemistry or Biochemistry **OR** Master's degree with 18 graduate hours in Chemistry
CJLE 1327 Interviewing and Report Writing for Criminal Justice Professions CJLE 2345 Vice and Narcotics Investigation	X			Bachelor's degree in Criminal Justice, Law Enforcement, or related field **OR** Associate degree in Law Enforcement with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
CJLE 1329 Basic Peace Officer V CJLE 1512 Basic Peace Officer II. CJLE 1518 Basic Peace Officer III. CJLE 1524 Basic Peace Officer IV.	X			Bachelor's degree in Criminal Justice, Law Enforcement, or related field **OR** Associate degree in Law Enforcement with **demonstrated competencies AND** TCOLE Instructor license, certificate, or academy training coordinator approval
CJSA 1308 Criminalistics I CJSA 1371 Introduction to Security Threat Groups CJSA 1372 Domestic and International Security Threat Groups CJSA 2264 Practicum/Criminal Justice CJSA 2265 Practicum/ Criminal Justice CJSA 2323 Criminalistics II CJSA 2332 Criminalistics III CJSA 2335 First Line Police Supervision CJSA 2371 Globalization of Security Threat Groups	X			Bachelor's degree in Criminal Justice, Law Enforcement, or related field **OR** Associate degree in Law Enforcement with **demonstrated competencies**
CNBT 1300 Residential and Light Commercial Construction Drawings CNBT 2410 Commercial/Industrial Blueprint Reading	X			Bachelor's degree in Construction Management/Science, Architecture, Civil Engineering, or related field **OR** Associate degree in Construction Supervision/Building Construction Technology or Drafting/CADD with **demonstrated competencies**
CNSE 1371 Equipment Operation	X			Bachelor's degree in Mechanical, Industrial, or Manufacturing Engineering or related field **OR** Associate degree in related field with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
CPMT 1311 Introduction to Computer Maintenance CPMT 1449 Computer Networking Technology CPMT 2302 Home Technology Integration CPMT 2333 Computer Integration CPMT 2380 Cooperative Education-Computer Installation and Repair Technology/Technician	X			Bachelor's degree in Electrical or Computer Engineering or Electronics Technology **OR** Associate degree in Electronics or Electronics Technology with **demonstrated competencies**
CRIJ 1301 Introduction to Criminal Justice CRIJ 1306 Court Systems & Practices CRIJ 1310 Fundamentals of Criminal Law CRIJ 2313 Correctional Systems & Practices CRIJ 2314 Criminal Investigation CRIJ 2323 Legal Aspects of Law Enforcement CRIJ 2328 Police Systems & Practices		X		Doctoral or Master's degree in Criminal Justice **OR** Master's degree with 18 graduate hours in Criminal Justice
CSIR 1303 Telecommunications Systems Installer	X			Bachelor's degree in computer science, computer information systems, computer information technology, information security, cybersecurity, computer or software engineering, computer-based information systems (e.g., management, decision), or electrical engineering **OR** Associate degree in one of the areas listed with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
CSME 1244 Introduction to Salon Development CSME 1348 Principles of Skin Care CSME 1354 Artistry of Hair Design I CSME 1355 Artistry of Hair Design II CSME 1401 Orientation to Cosmetology CSME 1410 Introduction to Haircutting and Related Theory CSME 1421 Principles of Facial and Skin Care Technology I CSME 1445 Principles of Facial and Skin Care Technology II CSME 1453 Chemical Reformation and Related Theory CSME 2310 Advanced Haircutting and Related Theory CSME 2351 Preparation for the State Licensing Practical Examination CSME 2441 Preparation for the State Licensing Examination CSME 2443 Salon Development CSME 2501 The Principles of Hair Coloring and Related Theory. CSME 2531 Principles of Facials and Skin Care Technology III	X			Associate degree in Cosmetology or Cosmetology Management with **demonstrated competencies** *Note: Current Texas Cosmetology Operator, Esthetician, or Barber license required*
CTEC 2545 Unit Operations. CTEC 2580 Cooperative Education - Chemical Technology/Technician	X			Bachelor's degree in Industrial Technology, Process Technology, or Chemical Engineering **OR** Associate degree in Process Technology with **demonstrated competencies**
CVOP 1145 Commercial Driver's License Driving Skills CVOP 1201 Commercial License Driving Skills CVOP 1245 Commercial Driver's License Overview	X			Associate degree in any field with **demonstrated competencies** *Note: Current Commercial Driver's License required*

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
DATN 1370 Introduction to Data Visualization and Analytics DATN 1377 Cloud Computing for Data Analytics DATN 2374 Introduction to Predictive Analytics DATN 2376 Analytical Tools and Methods	X			Bachelor's degree in Data Analytics, Computer Science, Computer Information Systems, or related field **OR** Associate degree in Data Analytics, Computer Science, Computer Information Systems, or related field with **demonstrated competencies**
DEMR 1280 Cooperative Education – Diesel Mechanics Technology/Technician DEMR 1305 Basic Electrical Systems DEMR 1306 Diesel Engines I DEMR 1313 Fuel Systems DEMR 1316 Basic Hydraulics DEMR 1323 Heating, Ventilation, and Air Conditioning (HVAC) Troubleshooting and Repair DEMR 1329 Preventive Maintenance DEMR 1401 Shop Safety and Procedures DEMR 1410 Diesel Engine Testing and Repair I DEMR 1449 Diesel Engines II DEMR 2334 Advanced Diesel Tune-up and Troubleshooting DEMR 2348 Failure Analysis DEMR 2412 Diesel Engine Testing and Repair II	X			Bachelor's degree in Diesel Technology **OR** Associate degree in Diesel Technology with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
DFTG 1305 Technical Drafting DFTG 1309 Basic Computer-Aided Drafting DFTG 1313 Drafting for Specific Occupations DFTG 1317 Architectural Drafting - Residential DFTG 1330 Civil Drafting DFTG 2300 Intermediate Architectural Drafting DFTG 2307 Electrical Drafting DFTG 2308 Instrumentation Drafting DFTG 2319 Intermediate Computer-Aided Drafting DFTG 2323 Pipe Drafting DFTG 2332 Advanced Computer-Aided Drafting DFTG 2338 Final Project: Advanced Drafting DFTG 2345 Advanced Pipe Drafting DFTG 2380 Cooperative Education - Drafting and Design Technology/Technician, General	X			Bachelor's degree in Mechanical Engineering, Civil Engineering, Structural Engineering, Environmental Engineering, Architecture **OR** Associate degree in Engineering Design Graphics/Drafting/A&E CAD with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
DHYG 1207 General and Dental Nutrition DHYG 1219 Dental Materials DHYG 1227 Preventive Dental Hygiene Care DHYG 1235 Pharmacology for the Dental Hygienist DHYG 1260 Clinical-Introductory DHYG 1301 Orofacial Anatomy, Histology & Embryology DHYG 1304 Dental Radiology DHYG 1311 Periodontology DHYG 1315 Community Dentistry DHYG 1339 General and Oral Pathology DHYG 1431 Preclinical Dental Hygiene DHYG 2153 Dental Hygiene Practice DHYG 2261 Clinical - Intermediate DHYG 2262 Clinical - Advanced DHYG 2301 Dental Hygiene Care I DHYG 2331 Dental Hygiene Care II	X			Didactic faculty – Bachelor's degree in Dental Hygiene Clinical/Lab faculty – Associate degree in Dental Hygiene with **demonstrated competencies** *Note: Current Texas Dentist or Dental Hygienist license required*

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
DMSO 1101 Techniques of Medical Sonography DMSO 1110 Introduction to Sonography DMSO 1251 Sectional Anatomy for Sonographers DMSO 1267 Practicum II DMSO 1302 Basic Ultrasound Physics DMSO 1341 Abdominopelvic Sonography DMSO 1342 Intermediate Ultrasound Physics DMSO 1355 Sonographic Pathophysiology DMSO 1360 Clinical I DMSO 1366 Practicum I DMSO 2230 Advanced Ultrasound and Review DMSO 2260 Clinical II DMSO 2341 Sonography of Abdominopelvic Pathology DMSO 2342 Advanced Obstetric Sonography DMSO 2351 Doppler Physics DMSO 2362 Clinical III DMSO 2366 Practicum III DMSO 2405 Sonography of Obstetrics/Gynecology	X			Bachelor's degree in Diagnostic Medical Imaging **OR** Associate degree in Sonography with **demonstrated competencies** *Note: current Texas Licensure required*
DORI 0200 College Success Skills			X	Bachelor's degree with teaching or relevant higher education experience

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
DSAE 1264 Practicum II DSAE 1303 Introduction to Cardiac Sonography Techniques DSAE 1340 Diagnostic Electrocardiography DSAE 1360 Clinical I DSAE 1364 Practicum I DSAE 2262 Clinical II DSAE 2335 Advanced Cardiac Sonography DSAE 2362 Clinical III DSAE 2365 Practicum III DSAE 2403 Cardiovascular Concepts DSAE 2404 Cardiac Sonography Pathophysiology I DSAE 2437 Cardiac Sonography Pathophysiology II	X			Bachelor's degree in Diagnostic Medical Imaging **OR** Associate degree in Sonography with **demonstrated competencies** *Note: current Texas Licensure required*
DSVT 1103 Introduction to Vascular Technology	X			Bachelor's degree in Diagnostic Medical Imaging **OR** Associate degree in Sonography with **demonstrated competencies** *Note: current Texas Licensure required*
ECON 2301 Principles of Macroeconomics ECON 2302 Principles of Microeconomics		X		Doctoral or Master's degree in Economics **OR** Master's degree with 18 graduate hours in Economics
ECRD 1211 Electrocardiography	X			Bachelor's degree in Nursing or related field **OR** Associate degree in Nursing or Medical Assisting with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
EDUC 1100 Learning Framework EDUC 1200 Learning Framework		X		Master's degree in Education or an Education-related field **OR** Master's degree with 18 graduate hours in Education **OR** Master's degree in Psychology, Adult Education, Special Education, Career Education, Curriculum and Instruction, Adult and Developmental Education, Educational Psychology, Counseling Psychology, Counseling and Guidance, or Social Work with experience in counseling **OR** Master's degree with 18 graduate hours in the areas (majors) above.
EDUC 1301 Introduction to the Teaching Profession EDUC 2301 Introduction to Special Populations		X		Doctoral or Master's degree in Education **OR** Master's degree with 18 graduate hours in Education
EECT 2439 Communications Circuits	X			Bachelor's degree in Electronic Engineering or Electronics Technology **OR** Associate degree in Electronics Technology with **demonstrated competencies**
ELMT 1301 Programmable Logic Controllers ELMT 2333 Industrial Electronics ELMT 2339 Advanced Programmable Logic Controllers ELMT 2341 Electromechanical Systems ELMT 2351 Power Generation Fundamentals ELMT 2437 Electronic Troubleshooting, Service, and Repair ELMT 2453 Power Generation Troubleshooting	X			Bachelor's degree in Electronic Engineering or Electronics Technology **OR** Associate degree in Electronics Technology with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
ELPT 1311 Basic Electrical Theory ELPT 1315 Electrical Calculations I ELPT 1321 Introduction to Electrical Safety and Tools ELPT 1325 National Electrical Code I ELPT 1329 Residential Wiring ELPT 1411 Basic Electrical Theory ELPT 1441 Motor Control ELPT 1445 Commercial Wiring ELPT 1451 Electrical Machines ELPT 2225 National Electrical Code II ELPT 2319 Programmable Logic Controllers I ELPT 2323 Transformers ELPT 2339 Electric Power Distribution ELPT 2423 Transformers ELPT 2464 Practicum - Electrical and power Transmission Installation	X			Bachelor's degree in Electrical Engineering **OR** Associate degree in Electrician Technology with **demonstrated competencies**
EMAP 1345 Hazard Mitigation and Debris Management EMAP 1400 Principles of Basic Emergency Management EMAP 2300 Developing Volunteer Resources and Decision Making EMAP 2301 Leadership and Effective Communication EMAP 2302 Managing Mass Casualty and Fatality Incidents EMAP 2355 Disaster Recovery	X			Bachelor's degree in Emergency Management **OR** Associate degree in Emergency Management with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
EMSP 1260 Clinical Intermediate EMT EMSP 1338 Introduction to Advanced Practice EMSP 1355 Trauma Management EMSP 1356 Patient Assessment and Airway Management EMSP 1455 Trauma Management EMSP 1501 Emergency Medical Technician - Basic. EMSP 2137 Emergency Procedures EMSP 2143 Assessment Based Management I EMSP 2205 EMS Operations EMSP 2206 Emergency Pharmacology EMSP 2237 Emergency Procedures EMSP 2243 Assessment Based Management EMSP 2260 Clinical - Emergency Medical Technology/Technician (EMT Paramedic) EMSP 2261 Clinical II EMSP 2262 Clinical - EMT Paramedic EMSP 2264 Practicum - Emergency Medical Technology/Technician (EMT Paramedic) EMSP 2300 Methods of Teaching – Emergency Medical Service EMSP 2330 Special Populations EMSP 2359 EMS Supervision/Management EMSP 2365 Practicum - Emergency Medical Technology/Technician (EMT Paramedic) EMSP 2368 Practicum - EMT Paramedic EMSP 2434 Medical Emergencies EMSP 2444 Cardiology	X			Bachelor's degree in Emergency Medicine or related field **OR** Associate degree in Emergency Medicine with **demonstrated competencies** *Note: Current Texas EMS Licensure required*

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
ENGL 1301 Composition I ENGL 1302 Composition II ENGL 2307 Creative Writing ENGL 2311 Technical and Business Writing ENGL 2321 British Literature ENGL 2326 American Literature ENGL 2331 World Literature		X		Doctoral or Master's Degree in English, Literature, or Creative Writing **OR** Master's degree with 18 graduate hours in English, Literature, or Creative Writing
ENGR 1201 Introduction to Engineering ENGR 1304 Engineering Graphics ENGR 2304 Programming for Engineers ENGR 2308 Engineering Economics		X		Doctoral or Master's degree in Engineering **OR** Master's degree with 18 graduate semester hours in engineering
ENVR 1101 ENVR 1301		X		Doctoral or Master's degree in Environmental Science, Ecology, or related field **OR** Master's degree with 18 graduate semester hours in Environmental Science, Ecology, or related field
EPCT 1305 Environmental Regulations Overview EPCT 1311 Introduction to Environmental Science EPCT 1341 Principles of Industrial Hygiene EPCT 2331 Industrial Hygiene Applications EPCT 2335 Advanced Environmental Instrumental Analysis	X			Bachelor's degree in Environmental Science, Ecology, Environmental Engineering, or related field **OR** Associate degree in Occupational Safety and Health, Analyzer Technology or related field with **demonstrated competencies**
FIRS 1103 Firefighter Agility and Fitness Preparation FIRS 1301 Firefighter Certification I FIRS 1319 Firefighter Certification IV FIRS 1329 Firefighter Certification VI FIRS 1407 Firefighter Certification II FIRS 1433 Firefighter Certification VII	X			Bachelor's degree in Fire Science **OR** Associate degree in Fire Science/Protection with **demonstrated competencies** *Note: Current Texas Commission on Fire Protection certifications required*

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
FIRT 1347 Industrial Fire Protection	X			Bachelor's degree in Fire Science **OR** Associate degree in Fire Science/Protection with **demonstrated competencies**
FIRT 2288 Internship - Emergency Management	X			Bachelor's degree in Emergency Management **OR** Associate degree in Emergency Management with **demonstrated competencies**
GAME 1303 Introduction to Game Design and Development GAME 1304 Level Design	X			Bachelor's degree in Computer Science, Computer Information Systems, Computer Information Technology, Computer or Software Engineering, Computer-Based Information Systems (e.g., management, decision), Game Programming, Game and Simulation Programming **OR** Associate degree in any of the fields/disciplines listed above with **demonstrated competencies**
GOVT 2305 Federal Government GOVT 2306 Texas Government		X		Doctoral or Master's degree in Political Science or Government **OR** Master's degree with 18 graduate hours in Political Science or Government
HAMG 1321 Introduction to Hospitality Industry		X		Bachelor's degree in Culinary Arts, Food Science, or Hospitality related field **OR** Associate degree in Culinary Arts, Food Science, or Hospitality related field with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
HART 1380 Cooperative Education - Heating, Air Conditioning and Refrigeration Technology/Technician HART 1401 Basic Electricity for HVAC HART 1403 Air Conditioning Control Principles HART 1407 Refrigeration Principles HART 1441 Residential Air Conditioning HART 1445 Gas and Electric Heating HART 1451 Energy Management HART 2301 Air Conditioning and Refrigeration Codes HART 2438 Air Conditioning Installation and Startup HART 2445 Residential Air Conditioning Systems Design HART 2449 Heat Pumps	X			Bachelor's degree in HVAC/R or related field **OR** Associate degree in HVAC with demonstrated competencies
HIST 1301 United States History I HIST 1302 United States History II HIST 2301 Texas History		X		Doctoral or Master's Degree in History **OR** Master's degree with 18 graduate hours in History

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
HITT 1211 Computers in Health Care HITT 1213 Coding & Insurance HITT 1253 Legal and Ethical Aspects of Health Information HITT 1255 Health Care Statistics HITT 1266 Practicum I – Health Information/Medical Records Technology/Technician HITT 1301 Health Data Content and Structure HITT 1305 Medical Terminology I HITT 1311 Health Information Systems HITT 1341 Coding and Classification Systems HITT 1345 Health Care Delivery Systems HITT 2167 Practicum (or Field Experience) - Health Information/Medical Records Technology/Technician HITT 2239 Health Information Organization and Supervision HITT 2246 Advanced Medical Coding HITT 2249 RHIT Competency Review HITT 2266 Practicum I HITT 2267 Practicum II – Health Information/Medical Records Technology/Technician HITT 2330 Pathophysiology and Pharmacology HITT 2335 Coding and Reimbursement Methodologies HITT 2339 Health Information Organization and Supervision HITT 2343 Quality Assessment and Performance Improvement HITT 2471 Pathophysiology and Pharmacology	X			Bachelor's in Health Information Management **OR** Associate degree in Health Information Technology with **demonstrated competencies** *Note: must hold a current AHIMA credential*

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
HMSY 1337 Introduction to Homeland Security HMSY 1338 Homeland Security Emergency Communications Management HMSY 1339 Homeland Security Emergency Contingency Planning HMSY 1341 Critical Infrastructure Protection HMSY 1342 Understanding and Combating Terrorism HMSY 2337 Managing a Unified Incident Command	X			Bachelor's degree in Criminal Justice, Homeland Security, or related field **OR** Associate degree in Criminal Justice, Homeland Security, or related field with **demonstrated competencies**
HPRS 1201 Introduction to Health Professions HPRS 1204 Basic Health Profession Skills	X			Bachelor's degree in a health care field **OR** Associate degree in a health care field with **demonstrated competencies** *Note: must hold current Texas licensure/ in the appropriate field*
HRPO 2301 Human Resources Management	X			Bachelor's degree in Human Resources/Human Resource Management or in Business Administration or Management with an emphasis on Human Resource Management **OR** Associate degree in Human Resources, Business Administration or Management (with an emphasis on Human Resources) with **demonstrated competencies**
HUMA 1315 Fine Arts Appreciation		X		MFA or MA in Art, Art History or another visual or performing art **OR** Master's degree with 18 graduate hours in the visual or performing arts

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
HYDR 1301 Rigging and Conveying Systems	X			Bachelor's degree in Mechanical, Industrial, or Manufacturing Engineering or related field **OR** Associate degree in related field with **demonstrated competencies**
IFWA 1318 Nutrition for the Food Service Professional	X			Bachelor's degree in Culinary Arts or Food Science **OR** Associate degree in Culinary Arts or Food Science with **demonstrated competencies**
IMED 1316 Web Design I IMED 1341 Interface Design IMED 1345 Interactive Digital Media I IMED 2315 Web Design II IMED 2345 Interactive Digital Media II	X			Bachelor's degree in computer science, computer information systems, computer information technology, computer or software engineering, computer-based information systems (e.g., management, decision), or electrical engineering **OR** Associate degree in one of the areas listed with **demonstrated competencies**
INCR 1402 Physics of Instrumentation INCR 1442 Measurement and Process Control Theory	X			Bachelor's degree in Electrical Technology or related field **OR** Associate degree in Electrical Technology or related field with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
INEW 1440 ASP.NET Programming INEW 2330 Comprehensive Software Project: Planning and Design INEW 2332 Comprehensive software Project: Coding, Testing, and Implementation	X			Bachelor's degree in computer science, computer information systems, computer information technology, computer or software engineering, computer-based information systems (e.g., management, decision), or electrical engineering **OR** Associate degree in one of the areas listed with **demonstrated competencies**
INMT 1305 Introduction to Industrial Maintenance INMT 1355 Industrial Power Plant Systems INMT 2301 Machinery Installation INMT 2303 Pumps, Compressors and Mechanical Drives INMT 2345 Industrial Troubleshooting INMT 2380 Cooperative Training	X			Bachelor's degree in Mechanical, Industrial, or Manufacturing Engineering or related field **OR** Associate degree in related field with **demonstrated competencies**
INRW 0100 JumpStart' Integrated Reading/Writing INRW 0173 Base NCBO Integrated Reading/Writing INRW 0301 Advanced Integrated Reading & Writing INRW 0373 Base Integrated Reading/Writing INRW 0473 Integrated Reading/Writing			X	Bachelor's degree in English or related field **AND** Teaching certificate; Teaching experience in English or related field; **Or** a graduate course in teaching underprepared students

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
INTC 1301 Principles of Industrial Measurements I INTC 1310 Cisco Discovery 1: Networking for Home and Small Business INTC 1312 Cisco Discovery 3: Introducing Routing and Switching in the Enterprise INTC 1348 Analytical Instrumentation INTC 1358 Flow and Measurement Calibration INTC 1448 Analytical Instrumentation INTC 1457 AC/DC Motor Control INTC 2345 Advanced Analyzers INTC 2350 Fieldbus Process Control Systems INTC 2359 Distributed Control Systems INTC 2380 Cooperative Education - Instrumentation Technology INTC 2480 Cooperative Education – Instrumentation Technology	X			Bachelor's degree in Electrical Technology or related field **OR** Associate degree in Electrical Technology or related field with **demonstrated competencies**
ITCC 1314 CCNA 1: Introduction to Networks ITCC 1344 CCNA 2: Switching, Routing, and Wireless Essentials ITCC 2312 CCNA 3: Scaling Networks ITCC 2313 CCNA 4: Connecting Networks ITCC 2320 CCNA 3: Enterprise Networking, Security, and Automation	X			Bachelor's degree in computer science, computer information systems, computer information technology, information security, cybersecurity, computer or software engineering, computer-based information systems (e.g., management, decision), or electrical engineering **OR** Associate degree in one of the areas listed with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
ITDF 1300 Introduction to Digital Forensics	X			Bachelor's degree in computer science, computer information systems, computer information technology, information security, cybersecurity, computer or software engineering, computer-based information systems (e.g., management, decision), or electrical engineering **OR** Associate degree in one of the areas listed with **demonstrated competencies**
ITMT 1305 Configuring Advanced Windows Server Operating System ITMT 1357 Administering a Windows Server Operating System ITMT 2304 Implementing an Advanced Server Infrastructure	X			Bachelor's degree in computer science, computer information systems, computer information technology, information security, cybersecurity, computer or software engineering, computer-based information systems (e.g., management, decision), or electrical engineering **OR** Associate degree in one of the areas listed with **demonstrated competencies**
ITNW 1308 Implementing and Supporting Client Operating Systems ITNW 1313 Computer Virtualization ITNW 1392 Special Topics in Computer Systems Networking & Telecommunications ITNW 2335 Network Troubleshooting and Support	X			Bachelor's degree in computer science, computer information systems, computer information technology, information security, cybersecurity, computer or software engineering, computer-based information systems (e.g., management, decision), or electrical engineering **OR** Associate degree in one of the areas listed with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
ITSC 1301 Introduction to Computers ITSC 1305 Introduction to PC Operating Systems ITSC 1316 Linux Installation and Configuration ITSC 2286 Internship - Computer Information Science, General ITSC 2335 Application Software Problem Solving	X			Bachelor's degree in computer science, computer information systems, computer information technology, computer or software engineering, computer-based information systems (e.g., management, decision, data-processing) **OR** Associate degree in one of the areas listed with **demonstrated competencies**
ITSE 1302 Computer Programming ITSE 1303 Introduction to MySQL ITSE 1306 PHP Programming ITSE 1311 Beginning Web Programming ITSE 1350 System Analysis and Design ITSE 1406 PHP Programming ITSE 1430 Introduction to C# Programming ITSE 2310 iOS Application Programming ITSE 2313 Web Authoring ITSE 2321 Object-Oriented Programming	X			Bachelor's degree in computer science, computer information systems, computer information technology, computer or software engineering, computer-based information systems (e.g., management, decision, data-processing) **OR** Associate degree in one of the areas listed with **demonstrated competencies**
ITSW 1304 Introduction to Spreadsheets ITSW 1307 Introduction to Database ITSW 2334 Advanced Spreadsheets	X			Bachelor's degree in computer science, computer information systems, computer information technology, computer or software engineering, computer-based information systems (e.g., management, decision, data-processing) **OR** Associate degree in one of the areas listed with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
ITSY 1300 Fundamentals of Information Security ITSY 1342 Information Technology Security ITSY 2301 Firewalls and Network Security Design ITSY 2330 Intrusion Detection ITSY 2359 Security Assessment and Auditing	X			Bachelor's degree in computer science, computer information systems, computer information technology, information security, cybersecurity, computer or software engineering, computer-based information systems (e.g., management, decision), or electrical engineering **OR** Associate degree in one of the areas listed with **demonstrated competencies**
LMGT 1319 Introduction to Business Logistics LMGT 1321 Introduction to Materials Handling LMGT 1323 Domestic and International Transportation Management LMGT 1325 Warehouse and Distribution Center Management LMGT 1345 Economics of Transportation and Distribution LMGT 1349 Materials Requirement Planning	X			Bachelor's degree in Business, Supply Chain Management, Logistics or related field, **OR** Associate degree in Business, Supply Chain Management, Logistics or related field with **demonstrated competencies**
LNWK 1241 Distribution Operations LNWK 1301 Orientation and Line Skill Fundamentals LNWK 1311 Climbing Skills LNWK 2321 Live Line Safety LNWK 2322 Distribution Line Construction LNWK 2324 Troubleshooting Distribution Systems LNWK 2373 Distribution Line Maintenance	X			Associate degree in Electrical Lineworker Technology with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
MATH 1314 College Algebra MATH 1316 MATH 1324 Mathematics for Business and Social Sciences MATH 1325 Calculus for Business and Social Sciences MATH 1332 Contemporary Mathematics (Quantitative Reasoning) MATH 1342 Elementary Statistical Methods MATH 1350 Mathematics for Teachers I (Fundamentals of Mathematics I) MATH 1351 Mathematics for Teachers II (Fundamentals of Mathematics II) MATH 2312 Pre-Calculus Math MATH 2313 Calculus I MATH 2314 Calculus II MATH 2412 Pre-Calculus Math (4 SCH version) MATH 2413 Calculus I (4 SCH Version) MATH 2414 Calculus II (4 SCH Version) MATH 2415 Calculus III (4 SCH Version)		X		Doctoral or Master's Degree in Mathematics **OR** Master's degree with 18 graduate hours in Mathematics
MCHN 1408 Basic Lathe	X			Bachelor's degree in Mechanical Engineering, or Industrial Design **OR** Associate degree in Precision Manufacturing Technology with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
MDCA 1210 MDCA 1254 MDCA 1260 MDCA 1261 MDCA 1417 MDCA 1421 MDCA 1443 MDCA 1448 MDCA 1452				Bachelor's degree in Nursing or related field **OR** Associate degree in Nursing or Medical Assisting with **demonstrated competencies** *Note: Medical Assisting certification required*
MRKG 1311 Principles of Marketing	X			Bachelor's degree in Marketing **OR** Associate degree in Marketing with **demonstrated competencies**
MRMT 1307 Medical Transcription I	X			Bachelor's degree in Health Information Management **OR** Associate degree in Health Information Technology with **demonstrated competencies**
NURA 1260 Clinical - Nursing Assistant/Aide and Patient Care Assistant/Aide NURA 1301 Nurse Aide for Health Care	X			Bachelor's degree in Nursing **OR** Associate degree in Nursing with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
OSHT 1191 Special Topics in Occupational Safety and Health Technology/Technician OSHT 1209 Physical Hazards Control OSHT 1305 OSHA Regulations - Construction Industry OSHT 1313 Accident Prevention, Inspection and Investigation OSHT 1380 Cooperative Education - Occupational Safety and Health Technology/Technician OSHT 2305 Ergonomics and Human Factors in Safety OSHT 2309 Safety Program Management OSHT 2320 Safety Training Presentation Techniques OSHT 2401 OSHA Regulations - General Industry	X			Bachelor's degree in Occupational Health and Safety Technology **OR** Associate degree in Occupational Health and Safety Technology with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
PFPB 1321 Plumbing Maintenance and Repair PFPB 1323 Plumbing Codes I PFPB 1347 Backflow Prevention PFPB 1682 Cooperative Education - Plumbing Technology PFPB 2307 Pipe Fabrication and Installation I PFPB 2308 Piping Standards and Materials PFPB 2309 Residential Construction Plumbing I PFPB 2349 Field Measuring, Sketching, and Layout PFPB 2336 Commercial Construction and Fixture Setting PFPB 2336 Commercial Construction and Fixture Setting PFPB 2343 Advanced Pipe Practices PFPB 2349	X			Associate degree in Plumbing and Pipefitting Technology with **demonstrated competencies**
PHIL 1301 Introduction to Philosophy PHIL 2306 Introduction to Ethics		X		Doctoral or Master's degree in Philosophy **OR** Master's degree with 18 graduate hours in Philosophy

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
PHRA 1160 Clinical-Pharmacy Technician/Assistant PHRA 1202 Pharmacy Law PHRA 1209 Pharmaceutical Mathematics I PHRA 1240 Pharmacy Third Party Payment PHRA 1243 Pharmacy Technician Certification Review PHRA 1247 Pharmaceutical Mathematics II PHRA 1260 Clinical-Pharmacy Technician/Assistant PHRA 1301 Introduction to Pharmacy PHRA 1313 Community Pharmacy Practice PHRA 1345 Compounding Sterile Preparations and Aseptic Technique PHRA 1349 Institutional Pharmacy Practice	X			Doctoral, Master's, or Bachelor's degree in Pharmacy **OR** Associate degree in Pharmacy Technology with **demonstrated competencies** *Note: Current Pharmacy Technician or Pharmacist License required*
PHYS 1105 Elementary Physics I Lab PHYS 1305 Elementary Physics I Lec PHYS 2125 University Physics I Laboratory (lab) PHYS 2126 University Physics Laboratory II (lab) PHYS 2325 University Physics I (lecture) PHYS 2326 University Physics II (lecture)		X		Doctoral or Master's degree in Physics **OR** Master's degree with 18 graduate hours in Physics
POFI 1349 Spreadsheets POFI 1391 Special Topics in Information Processes POFI 2301 Word Processing POFI 2331 Desktop Publishing POFI 2340 Advanced Word Processing POFI 2386 Internship- Business/Office Automation/Technology/Data Entry	X			Bachelor's degree in Office Administration, Business Administration, Technology Management, Operations Management, or Business or Occupational Education **OR** Associate degree in Office Administration with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
POFT 1301 Business English POFT 1309 Administrative Office Procedures I POFT 1313 Professional Workforce Preparation POFT 1331 Numeric Keypad Applications POFT 2301 Intermediate Keyboarding POFT 2312 Business Correspondence & Communication POFT 2331 Administrative Project Solutions POFT 2333 Advanced Keyboarding	X			Bachelor's degree in Office Administration, Business Administration, Technology Management, Operations Management, or Business or Occupational Education **OR** Associate degree in Office Administration with **demonstrated competencies**
PSTR 1301 Fundamentals of Baking	X			Bachelor's degree in Culinary Arts or Food Science **OR** Associate degree in Culinary Arts or Food Science with **demonstrated competencies**
PSYC 1100 Learning Framework PSYC 1200 Learning Framework PSYC 2301 General Psychology PSYC 2314 Lifespan Growth & Development		X		Doctoral or Master's degree in Psychology **OR** Master's degree with 18 graduate hours in Psychology

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
PTAC 1302 Introduction to Process Technology PTAC 1332 Process Instrumentation I PTAC 1354 Industrial Processes PTAC 1408 Safety, Health, and Environment I PTAC 1410 Process Technology I - Equipment PTAC 2314 Principles of Quality PTAC 2376 Introduction to LNG Industry PTAC 2378 LNG Safety & Environmental PTAC 2420 Process Technology II - Systems PTAC 2438 Process Technology III - Operations PTAC 2446 Process Troubleshooting PTAC 2477 LNG Operations	X			Bachelor's degree in Industrial Technology, Process Technology, or Chemical Engineering **OR** Associate degree in Process Technology with **demonstrated competencies**

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
RADR 1201 Introduction to Radiography RADR 1203 Patient Care RADR 1266 Radiographic Practicum III RADR 1313 Principles of Radiographic Imaging I RADR 1360 Clinical - Radiologic Technology RADR 1361 Clinical - Radiologic Technology RADR 1366 Radiographic Practicum I RADR 1367 Radiographic Practicum II RADR 1411 Basic Radiographic Procedures RADR 2217 Radiographic Pathology RADR 2305 Principles of Radiographic Imaging II RADR 2309 Radiographic Imaging Equipment RADR 2313 Radiation Biology and Protection RADR 2333 Advanced Medical Imaging RADR 2335 Radiologic Technology Seminar RADR 2360 Clinical - Radiologic Technology RADR 2361 Clinical - Radiologic Technology RADR 2366 Radiographic Practicum IV RADR 2367 Radiographic Practicum V RADR 2401 Intermediate Radiographic Procedures	X			Full-Time Didactic Faculty: Bachelor's degree **and** two years' clinical experience, **and** hold current American Registry of Radiologic Technologists (ARRT) certification **and** a current Texas license in Radiography Adjunct Faculty and Clinical Preceptors: Associate degree in Radiologic Technology **and** hold current American Registry of Radiologic Technologists (ARRT) certification **and** a current Texas license in Radiography

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
RBTC 1305 RBTC 1309 Pneumatics RBTC 1343 Robotics RBTC 1345 RBTC 1351 RBTC 1401 Programmable Logic Controllers RBTC 1447 Electro-Mechanical Devices RBTY 2339 RBTC 2347 RBTC 2445	X			Bachelor's degree in Electrical, Mechanical, Industrial, Computer Engineering or Electronics Technology **OR** Associate degree in Electronics or Electronics Technology with **demonstrated competencies**
RELE 1300 Contract Forms and Addenda RELE 1301 Principles of Real Estate I RELE 1303 Real Estate Appraisal RELE 1307 Real Estate Investments RELE 1309 Real Estate Law RELE 1311 Law of Contracts RELE 1315 Property Management RELE 1319 Real Estate Finance RELE 1321 Real Estate Marketing RELE 1338 Principles of Real Estate II RELE 2301 Law of Agency RELE 2331 Real Estate Brokerage	X			Bachelor's degree in Real Estate **OR** Associate degree in Electronics or Electronics Technology with **demonstrated competencies** *Note: Current Texas Real Estate Broker or Sales Agent License required*
RNSG 1125 RNSG 1126 RNSG 1128 RNSG 1137 RNSG 1160 RNSG 1216 RNSG 1311 RNSG 1330 RNSG 1433 RNSG 1438 RNSG 2138 RNSG 2361 RNSG 2362 RNSG 2363 RNSG 2539				Doctoral or Master's degree in Nursing *Note: Current Registered Nurse license required*

RSPT 1141 Respiratory Home Care/Rehabilitation RSPT 1160 Clinical - Respiratory Care Therapy/Therapist RSPT 1201 Introduction to Respiratory Care RSPT 1207 Cardiopulmonary Anatomy and Physiology RSPT 1213 Respiratory Care Pharmacology RSPT 1240 Advanced Cardiopulmonary Anatomy and Physiology RSPT 1310 Respiratory Care Procedures I RSPT 1311 Respiratory Care Procedures II RSPT 1325 Respiratory Care Sciences RSPT 1329 Respiratory Care Fundamentals I RSPT 1331 Respiratory Care Fundamentals II RSPT 1335 Cardiopulmonary Testing RSPT 1360 Clinical - Respiratory Care Therapy/Therapist RSPT 1461 Clinical: Respiratory Care Therapy/Therapist RSPT 2147 Specialties in Respiratory Care RSPT 2210 Cardiopulmonary Disease RSPT 2230 Respiratory Care Examination Preparation RSPT 2255 Critical Care Monitoring RSPT 2319 Mechanical Ventilation for the Neonatal/Pediatric Patient RSPT 2325 Cardiopulmonary Diagnostics RSPT 2361 Clinical: Respiratory Care Therapy/Therapist RSPT 2362 Clinical - Respiratory Care Therapy/Therapist RSPT 2414 Mechanical Ventilation	X			Bachelor's degree in Respiratory Therapy **OR** Associate degree in Respiratory Care with **demonstrated competencies** *Note: Current Texas Respiratory Care License and Registered Respiratory Therapist status required*

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
RSTO 1313 Hospitality Supervision	X			Bachelor's degree in Culinary Arts or Food Science **OR** Associate degree in Culinary Arts or Food Science with **demonstrated competencies**
SOCI 1301 Introduction to Sociology SOCI 1306 Social Problems SOCI 2336 Criminology		X		Doctoral or Master's degree in Sociology **OR** Master's degree with 18 graduate hours in Sociology
SPCH 1315 Public Speaking SPCH 1318 Interpersonal Communication		X		Doctoral or Master's degree in Communication Studies, Speech Communications **OR** Master's degree with 18 graduate hours in Communication Studies, Speech Communications
TECM 1349 Technical Math Applications	X			Bachelor's degree in Mathematics **OR** Associate degree in Mathematics with **demonstrated competencies**
TMTH 0114 JumpStart' Algebra TMTH 0132 JumpStart' Math TMTH 0165 Base NCBO Algebra TMTH 0174 Base NCBO Math TMTH 0214 Advanced Intermediate Algebra TMTH 0232 Advanced Developmental Mathematics TMTH 0365 Beginning Algebra TMTH 0374 Developmental Mathematics TMTH 0375 Intermediate Algebra			X	Bachelor's degree in Math or related field **AND** Teaching certificate; Teaching experience in Math or related field; or a graduate course in teaching underprepared students

Course Name	WECM	ACGM	DEV	Minimum Educational Requirements
WLDG 1317 Introduction to Layout and Fabrication WLDG 1323 Welding Safety, Tools, and Equipment WLDG 1327 Welding Codes WLDG 1337 Introduction to Welding Metallurgy WLDG 1407 Introduction to Welding Using Multiple Processes WLDG 1417 Introduction to Layout and Fabrication WLDG 1428 Introduction to Shielded Metal Arc Welding (SMAW) WLDG 1434 Introduction to Gas Tungsten Arc (GTAW) Welding WLDG 1437 Introduction to Welding Metallurgy WLDG 1457 Intermediate Shielded Metal Arc Welding (SMAW) WLDG 2406 Intermediate Pipe Welding WLDG 2413 Intermediate Welding Using Multiple Processes WLDG 2447 Advanced Gas Metal Arc Welding (GMAW) WLDG 2451 Advanced Gas Tungsten Arc Welding (GTAW) WLDG 2453 Advanced Pipe Welding	X			Bachelor's degree in Metals Science (Metallurgy, Composite Science, etc.) **OR** Associate degree in Welding Technology with **demonstrated competencies**