Applied Bachelor Degrees

The Bachelor of Applied Science (BAS) degree builds on knowledge and skills learned in completion of an Associate degree, allowing students to obtain bachelor-level credentials in specialized career fields.

BAS degrees are carefully structured to allow for individual career advancement while meeting local community and employer needs for specialized career practitioners. Designed for working professionals, TCC's BAS degrees are offered online or in evenings and on weekends to the extent possible.

BACHELOR OF APPLIED SCIENCE IN Applied Management

This applied baccalaureate degree in Applied Management brings together the theory and practice of business management. It prepares graduates to leverage the technical skills of any professional/technical associate degree so they can advance in their careers. It is a hybrid program (part in the classroom, part online) designed for working professionals.

This degree is appropriate for graduates of an associate degree program or anyone with 90 college-level credits, but especially for anyone with an associate degree in business and any business-related fields such as accounting, paralegal and human services.

Students choose from one of two specializations in their senior year: Project Management and Human Resource Management.

PROGRAM CHAIR

Mary Jane Oberhofer
253-566-5253 / moberhofer@tacomacc.edu

PROGRAM OUTCOMES

- Evaluate and implement effective communication across all levels of the organization and to diverse audiences using language, tools, concepts and managerial principles necessary to achieve desired outcomes.
- Explain the value of diversity and community as related to business ventures with attention to the dynamics of power and privilege.
- Develop organizational management and leadership strategies using skills grounded in current theories and techniques for stability, growth and change.
- Demonstrate innovation and critical thinking, teamwork, and technical and information literacy commensurate with management positions.
- Analyze, evaluate, and implement decision-making strategies applying analytical tools, information systems and emerging technologies.
- Design programs which maximize human potential using principles and best practices of successful human resource management.
- Develop realistic and comprehensive project plans, identify risk areas, monitor the plans, and deal with problems through appropriate use of project management techniques.
- Distinguish between law and ethics; recommend acceptable resolutions of ethical issues and dilemmas to improve organizational outcomes and support social responsibility.
- Analyze data to solve problems, explain performance, make decisions, and identify opportunities.
- Prepare and explain cost control processes including the ability to establish a budget, prepare cost reports, and forecast expenditures.

Pre-admission Requirements

» Associate degree (or 90 college-level credits)
» Students may be admitted to the program, but must complete the following lower division courses with an earned grade of C or higher prior to taking 300 level BUS courses: ENGL& 101 and MATH 136 or MATH& 146, CU 203 (or MOS Excel Core Level Certification)

General Education Requirements (45 credits)

COMMUNICATION (10 CREDITS)

» ENGL& 101 .....Composition I (5)
» 5 additional credits from the Communication distribution

HUMANITIES (10 CREDITS)

» CMST 320.....Professional and Organizational Communication (5)
» PHIL 320.....Ethical Decision Making (5)

SOCIAL SCIENCE (10 CREDITS)

» BUS 310.....Organizational and Interpersonal Behavior (5)
» BUS 330.....Legal Environments in Business (5)

NATURAL SCIENCE (10 CREDITS)

» ENVS& 101 .....Introduction to Environmental Science (5)
» 5 additional credits from the Natural Science distribution

QUANTITIVE SKILLS (5 CREDITS)

» Math 136 .....Inferential Statistics (5)
or Math&146...Introduction to Statistics (5)

BACHELOR OF APPLIED SCIENCE IN Applied Management

Core Requirements (45-50 credits)

- BUS 300 ..... Foundations of Management Theory and Practice (5)
- BUS 320 ..... Managerial Accounting (5)
- BUS 340 ..... Financial Management (5)
- BUS 350 ..... Fundamentals of Project Management (5)
- BUS 360 ..... Fundamentals of Human Resource Management (5)
- BUS 400 ..... Economics for Managers (5)
- BUS 410 ..... Operations and Logistics (5)
- BUS 420 ..... Digital and Social Media Management (5)
- BUS 430 ..... Business Strategy and Sustainability (5)
- BUS 480 ..... Applied Management Internship (optional) (2-5)
- Choose one Specialization (15)

General College Level Electives (70-75 credits)

Any college-level course will meet these requirements. Recommend courses in business disciplines.

General Electives should ideally include the following:

- BUS& 101 ..... Introduction to Business (5)
- BUS& 201 ..... Business Law (5)
- ACCT 101 ..... Practical Accounting (5)
  or ACCT&201 .. Principles of Accounting (5)

Specialty Tracks

Choose one specialty track to complete degree.

Human Resources Specialization (15 credits)

- BUS 442 ..... Intermediate Human Resource Management (5)
- BUS 452 ..... Advanced Human Resources (5)
- BUS 462 ..... Human Resource Management Capstone (5)

Project Management Specialization (15 credits)

- BUS 441 ..... Intermediate Project Management (5)
- BUS 451 ..... Advanced Project Management (5)
- BUS 461 ..... Project Management Capstone (5)

BACHELOR OF APPLIED SCIENCE IN Applied Management

Human Resources Management Certificate

A 15-credit certificate preparing students for a career in human resources management. The certificate comprises: BUS 442: Intermediate Human Resources Management (5 credits); BUS 452: Advanced Human Resources Management (5 credits); and BUS 462: Human Resource Management Capstone (5 credits).

CAREER OPPORTUNITIES

Recruiter, Employment Representative, Human Resources Analyst, Human Resources Coordinator, Human Resources Generalist.

PROGRAM OUTCOMES

- Evaluate and implement effective communication across all levels of the organization and to diverse audiences using language, tools, concepts and managerial principles necessary to achieve desired outcomes.
- Explain the value of diversity and community as related to business ventures with attention to the dynamics of power and privilege.
- Develop organizational management and leadership strategies using skills grounded in current theories and techniques for stability, growth and change.
- Demonstrate innovation and critical thinking, teamwork, and technical and information literacy commensurate with management positions.
- Analyze, evaluate, and implement decision-making strategies applying analytical tools, information systems and emerging technologies.
- Design programs which maximize human potential using principles and best practices of successful human resource management.
- Develop realistic and comprehensive project plans, identify risk areas, monitor the plans, and deal with problems through appropriate use of project management techniques.
- Distinguish between law and ethics; recommend acceptable resolutions of ethical issues and dilemmas to improve organizational outcomes and support social responsibility.
- Analyze data to solve problems, explain performance, make decisions, and identify opportunities.
- Prepare and explain cost control processes including the ability to establish a budget, prepare cost reports, and forecast expenditures.

Certificate Course Requirements (15 credits)

» BUS 442 ..... Intermediate Human Resource Management (5)
» BUS 452 ..... Advanced Human Resources (5)
» BUS 462 ..... Human Resource Management Capstone (5)

BACHELOR OF APPLIED SCIENCE IN Applied Management

Project Management Certificate

A 15-credit certificate preparing students for a career in project management. The certificate comprises: BUS 441: Intermediate Project Management (5 credits); BUS 451: Advanced Project Management (5 credits); and BUS 461: Project Management Capstone (5 credits).

CAREER OPPORTUNITIES

Purchasing Manager, General Manager, Business Analyst, Management Analyst, Management Consultant, Project Management Analyst, Quality Control Analyst.

PROGRAM OUTCOMES

- Evaluate and implement effective communication across all levels of the organization and to diverse audiences using language, tools, concepts and managerial principles necessary to achieve desired outcomes.
- Explain the value of diversity and community as related to business ventures with attention to the dynamics of power and privilege.
- Develop organizational management and leadership strategies using skills grounded in current theories and techniques for stability, growth and change.
- Demonstrate innovation and critical thinking, teamwork, and technical and information literacy commensurate with management positions.
- Analyze, evaluate, and implement decision-making strategies applying analytical tools, information systems and emerging technologies.
- Design programs which maximize human potential using principles and best practices of successful human resource management.
- Develop realistic and comprehensive project plans, identify risk areas, monitor the plans, and deal with problems through appropriate use of project management techniques.
- Distinguish between law and ethics; recommend acceptable resolutions of ethical issues and dilemmas to improve organizational outcomes and support social responsibility.
- Analyze data to solve problems, explain performance, make decisions, and identify opportunities.
- Prepare and explain cost control processes including the ability to establish a budget, prepare cost reports, and forecast expenditures.

Certificate Course Requirements (15 credits)

» BUS 441 .....Intermediate Project Management (5)
» BUS 451 .....Advanced Project Management (5)
» BUS 461 .....Project Management Capstone (5)

BACHELOR OF APPLIED SCIENCE IN Health Information Management

This Bachelor of Applied Science degree brings together aspects of the clinical, business, technology, and legal disciplines to prepare graduates for a career in the management of health information.

Appropriate for graduates of health-related or business-related associate degrees, the HIM BAS degree prepares students to work effectively in the increasingly integrated and technologically complex field of Health Information Management.

The HIM program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). Graduates are eligible to sit for the Registered Health Information Administrator (RHIA) national credential exam.

PROGRAM CHAIR

Corinne Jarvis, M.Ed., RHIA, CHDA
253-566-5077 / cjarvis@tacomacc.edu

PROGRAM OUTCOMES

- Evaluate and manage strategies, policies, and procedures surrounding health record content, data management & integrity, information governance, and clinical classification systems.
- Recommend systems to ensure the protection of health information, including privacy and security strategies, retention standards, and regulatory compliance.
- Analyze and Interpret data and implement technology used in informatics, to include analytics, health care statistics, research methodologies, database management, and health information exchange.
- Manage the revenue life cycle through reimbursement processes that ensure compliance with regulatory requirements, coding guidelines and payment systems.
- Interpret policies and procedures for compliance with local, state and federal laws to include HIPAA, accreditation, licensing and certification, fraud surveillance, quality improvement and risk management.
- Evaluate and integrate culturally responsive and diverse practices, policies and procedures that support successful leadership in the areas of change management, work design, process improvement, human resource management, training and development, strategic and organizational management, financial management, project management, vendor/contract management, and enterprise information management.

Pre-admission Requirements

» Associate degree (or 90 college-level credits)
» Students may be admitted to the program, but must complete the following lower division courses with an earned grade of C or higher prior to taking 300 level HIM courses: ENGL&101, BIO&175, HIT 160, and MATH& 146 or MATH 136

General Education Requirements (45 credits)

COMMUNICATION (10 CREDITS)

» ENGL&101 ..... English Composition I (5)
» ENGL 301 ..... Professional Writing and Communication in Healthcare (5)

HUMANITIES (10 CREDITS)

» PHIL&101 ..... Introduction to Philosophy (5)
» 5 additional credits - recommend choosing from the following:
» CMST 110..... Multicultural Communication (5)
» CMST&210 ..... Interpersonal Communication (5)
» CMST 320..... Professional and Organizational Communication (5)

SOCIAL SCIENCE: (10 CREDITS)

» PSYC 301 ..... Fundametals of Research for Healthcare (5)
» 5 additional credits - recommend choosing from the following:
» PSYC&100..... General Psychology (5)
» PSYC&220..... Abnormal Psychology (5)
» PSYC 360 ..... Health Psychology (5)
» SOC 262 ..... Race and Ethnic Relations (5)

NATURAL SCIENCE (10 CREDITS)

» BIOL&175 ..... Human Biology w/ Lab (5)
» HIT 160..... Pathophysiology (5)

QUANTITIVE SKILLS (5 CREDITS)

» Math 136 ..... Inferential Statistics (5)
or Math&146... Introduction to Statistics (5)

BACHELOR OF APPLIED SCIENCE IN Health Information Management

Core Requirements (61 credits)

- LS 301 ..... Research Skills for BAS (2)
- HIM 301..... Foundations in Health Information (5)
- HIM 315..... Health Law (3)
- HIM 320..... Information Protection (3)
- HIM 325..... Health Data Structure & Quality (5)
- HIM 330..... Classifications and Coding (5)
- HIM 335..... Organizational Management in Healthcare (5)
- HIM 415..... Foundations of Data, Data Analytics and Data Visualization (5)
- HIM 425..... Information Governance (5)
- HIM 435..... Revenue Cycle Management (5)
- HIM 445..... Applied Data, Data Analytics and Data Visualization (5)
- HIM 465..... Health Compliance (5)
- HIM 475..... Leadership in Healthcare (5)
- HIM 485..... Capstone/Internship (5)

General College Level Electives (74 credits)

Can include any college level course. Students will work with advisors to choose appropriate classes based on their previous education and work experience. Topics should include the following:

- CU 103..... Excel I (3)
- CU 110..... Access I (2)
- CU 203..... Excel II (3)
- CU 210..... Access II (3)
- HIM 290..... Introduction to Medical Coding (5)
- HIM 295..... Computer Concepts for Health Information (5)
- HIM 299..... Individual Study in HIM (1-6)
- HIT 130..... Medical Terminology I (3)
- HIT 141..... Outpatient Diagnostic Coding (2)
- HIT 179..... Ethical Issues in Health Information Technology Seminar (1)
- HIT 221 ..... Intermediate Coding (5)
- IT 246..... Database Implementation (5)
- MO 159..... Introduction to Outpatient Procedure Coding (4)

BACHELOR OF APPLIED SCIENCE IN Community Health

This Bachelor of Applied Science degree will pair the clinical background of current health professionals with community health theory to provide clinicians who can make an immediate impact in their local communities.

The Community Health Professional BAS degree will take clinical knowledge and augment it with the addition of community health factors to include population health, primary prevention, patient education, and quality improvement.

The integration of community health into the clinical background will create a well-rounded, holistic individual who possess not only clinical knowledge, but will see the larger issues surrounding the health of our local community to include social issues, legislation and reimbursement (population health), education of the public (primary prevention and patient education), and improving the quality of care (quality improvement) for our community health partners.

These professionals will be an asset to many different types of organizations to include hospitals, home health agencies, governmental agencies, public and community health agencies, insurance agencies, large physician practices, and private practice.

PROGRAM CHAIR

Community Health Professional Specialization
Brinda Sivaramakrishnan
253-566-3954 / bsivaramakrishnan@tacomacc.edu

Community Health Professional and Respiratory Care Specialization
Brandon Censon
253-566-5214 / bcenson@tacomacc.edu

Community Health Respiratory Care Specialization
Greg Carter
253-566-5231 / gcarter@tacomacc.edu

PROGRAM OUTCOMES

Upon successful completion of this program, students will be able to:

- Identify and critique the influences of community health policies and practices on past, present, and future critical health issues of society
- Identify the fundamental principles of community health to individual, community, and population health issues as well as disease incidence and prevalence
- Examine the causes and prevalence of chronic and infectious diseases and describe prevention, maintenance, and treatment strategies
- Describe the role of theory in health promotion, research, and practice to understand and change environmental and behavioral factors
- Identify and critique the impact of health disparities in health behaviors, intervention strategies, community health policies, and access to quality healthcare
- Critique cultural, legal, policy, and ethical factors that influence health status of individuals and populations
- Use appropriate research and statistical tools and techniques to evaluate community health data related to outcomes, prevention, management, and treatment approaches
- Identify culturally sensitive approaches to health communication with individuals, goups, communities, and populations
- Develop and appraise community programs and interventions through assessment, planning, implementation, and evaluation
- Practive team collaboration, leadership, and management skills in a variety of settings
- Use effective written and oral skills to communicate with different populations within a given community
- Create and deliver patient/client/community education

Pre-admission Requirements

» Associate degree in health (or 90 college level credits) or Associate degree (or 90 college level credits) in another subject with 1 year of healthcare experience
» Students may be admitted to the program, but must complete the following lower division courses with an earned grade of C or higher prior to taking 300 level CH courses: ENGL& 101 and MATH 136 or MATH& 146

General Education Requirements (45 credits)

COMMUNICATION (10 CREDITS)

» ENGL&101 ..... English Composition I (5)
» ENGL 301 ..... Professional Writing and Communication in Healthcare (5)

HUMANITIES (10 CREDITS)

» CMST 320 ..... Professional and Organizational Communication (5)
» PHIL 320 ..... Ethical Decision Making (5)

BACHELOR OF APPLIED SCIENCE IN Community Health

SOCIAL SCIENCE (10 CREDITS)

Recommend to choose from the following:

- PSYC&100 ..... General Psychology (5)
- PSYC&200 ..... Lifespan Psychology (5)
- PSYC 360 ..... Health Psychology (5)
- SOC&101 ..... Introduction to Sociology (5)
- SOC&201 ..... Social Problems (5)

NATURAL SCIENCE (10 CREDITS)

Recommend to choose from the following:

- ANTH&205..... Biological Anthropology (5)
- BIOL&160 ..... General Cell Biology (5)
- BIOL&241 ..... Human Anatomy and Physiology I (5)
- BIOL&242 ..... Human Anatomy and Physiology II (5)
- GEOG 205..... Physical Geography (5)
- NUTR&101 ..... Human Nutrition (5)

QUANTITIVE SKILLS (5 CREDITS)

- Math 136 ..... Inferential Statistics (5)
  or Math&146... Introduction to Statistics (5)

Core Requirements (50 credits)

- CHP 300..... Introduction to Community Health (5)
- CHP 305..... Community Health Advocacy (5)
- CHP 310..... Community Health Communications and Infomatics (5)
- CHP 315..... Health Policy, Law, and Ethics (5)
- CHP 320..... Introduction to Epidemiology (5)
- CHP 325..... Population Health and Wellness (5)
- CHP 330..... Program Planning and Evaluation (5)
- CHP 335..... Healthcare Research Methods (5)
- CHP 420..... Education in Healthcare (5)
- CHP 490..... Community Health Professional Capstone(5)

Community Health Professional Electives (15 credits)

15 credits from below:

- CHP 340..... Disaster Preparedness (5)
- CHP 360..... Global Health (5)
- CHP 400..... Environmental Health (5)
- CHP 410..... Trauma as a Community Health Issue (5)
- CHP 430..... Epidemics and Prevention (5)
- CHP 440..... Health, Culture and Diversity (5)
- CHRC 400..... Tobacco and Nicotine Treatment
- CHRC 410 ..... Leadership for the Health Care Professional (5)

General College Level Electives (70 credits)

Any college-level course will meet these requirements. Recommend courses in health disciplines.

General Electives should ideally include the following:

- CU 103 ..... Excel I (3)
- CU 203..... Excel II (3)
- HIT 130..... Medical Terminology (3)

Students Considering Graduate Clinical Degrees

Students pursing graduate education in a clinical degree should work with a BAS faculty advisor for very specific course requirements. For applying to medical schools (M.D., D.O, D.M.D), one year of biology courses, one year of inorganic chemistry along with physics and pre-calculous should be considered. The following courses should be considered for pre-nurse practitioner, pre-physician assistant, or pre-physical therapy.

HUMAN ANATOMY & PHSIOLOGY (10 CREDITS)

- BIOL&241 ..... Human Anatomy and Physiology I (5)
- BIOL&242..... Human Anatomy and Physiology II (5)

GENERAL BIOLOGY (10 CREDITS)

- BIOL&160 ..... General Cell Biology (5)
- BIOL&222..... Introduction to Cellular & Molecular Biology (5)

MICROBIOLOGY (5 CREDITS)

- BIOL&260..... General Microbiology (5)

CHEMISTRY (5 CREDITS)

- CHEM&110 ..... Chemical Concepts (5)
- CHEM&161..... General Chemistry (5)
- CHEM&262 .... Organic Chemistry (5)

STATISTICS (5 CREDITS)

- MATH 136..... Inferential Statistics (5)
- MATH&146 ..... Introduction to Statistics (5)

ENGLISH (10 CREDITS)

- ENGL&101 ..... English Composition I (5)
- ENGL&102..... English Composition II (5)
- ENGL 103..... English Composition III (5)
- ENGL&235..... Technical Writing (5)
- ENGL 301..... Professional Writing and Communication in Healthcare (5)

Other recommended courses include biochemistry, genetics, and social sciences (sociology, psychology, and anthropology).

»

BACHELOR OF APPLIED SCIENCE IN Community Health Paramedicine

Pre-admission Requirements

- Associate degree in Emergency Medical Services (or 90 college level credits) and Paramedic Certification or Associate degree (or 90 college level credits) in another subject with Paramedic Certification.
- Students may be admitted to the program, but must complete the following lower division courses with an earned grade of C or higher prior to taking 300 level CH courses: ENGL& 101 and MATH 136 or MATH& 146

General Education Requirements (45 credits)

COMMUNICATION (10 CREDITS)

- ENGL&101 ..... English Composition I (5)
- ENGL 301 ..... Professional Writing and Communication in Healthcare (5)

HUMANITIES (10 CREDITS)

- CMST 320 ..... Professional and Organizational Communication (5)
- PHIL 320 ..... Ethical Decision Making (5)

SOCIAL SCIENCE (10 CREDITS)

Recommend to choose from the following:

- PSYC&100 ..... General Psychology (5)
- PSYC&200 ..... Lifespan Psychology (5)
- PSYC 360 ..... Health Psychology (5)
- SOC&101 ..... Introduction to Sociology (5)
- SOC&201 ..... Social Problems (5)

NATURAL SCIENCE (10 CREDITS)

Recommend to choose from the following:

- ANTH&205..... Biological Anthropology (5)
- BIOL&160 ..... General Cell Biology (5)
- BIOL&241 ..... Human Anatomy and Physiology I (5)
- BIOL&242 ..... Human Anatomy and Physiology II (5)
- GEOG 205..... Physical Geography (5)
- NUTR&101 ..... Human Nutrition (5)

QUANTITIVE SKILLS (5 CREDITS)

- Math 136 ..... Inferential Statistics (5)
  or Math&146... Introduction to Statistics (5)

Core Requirements (50 credits)

- CHP 300 ..... Introduction to Community Health (5)
- CHP 305..... Community Health Advocacy (5)
- CHP 310 ..... Community Health Communications and Infomatics (5)
- CHP 315..... Health Policy, Law, and Ethics (5)
- CHP 320..... Introduction to Epidemiology (5)
- CHP 325..... Population Health and Wellness (5)
- CHP 330..... Program Planning and Evaluation (5)
- CHP 335..... Healthcare Research Methods (5)
- CHP 420..... Education in Healthcare (5)
- CHP 490..... Community Health Professional Capstone(5)

Community Health Paramedicine Electives (15 credits)

15 credits from below:

- CHPM 400 ..... EMS Ethics and Leadership (5)
- CHPM 410..... Emergency Management (5)
- CHPM 420 ..... Injury Prevention (5)
- CHPM 430 ..... Community Paramedicine (10)
- CHPM 440 ..... Community Paramedicine Internship (5)
- CHPM 450 ..... Critical Care Transport (10)
- CHPM 460 ..... Critcal Care Transport Internship (5)

BACHELOR OF APPLIED SCIENCE IN Community Health Paramedicine

General College Level Electives (70 credits)

Any college-level course will meet these requirements. Recommend courses in health disciplines.

General Electives should ideally include the following:

- CU 103 ..... Excel I (3)
- CU 203 ..... Excel II (3)
- HIT 130..... Medical Terminology (3)

Students pursing graduate education in a clinical degree should work with a BAS faculty advisor for very specific course requirements. For applying to medical schools (M.D., D.O, D.M.D), one year of biology courses, one year of inorganic chemistry along with physics and pre-calculous should be considered. The following courses should be considered for pre-nurse practitioner, pre-physician assistant, or pre-physical therapy.

HUMAN ANATOMY & PHSIOLOGY (10 CREDITS)

- BIOL&241 ..... Human Anatomy and Physiology I (5)
- BIOL&242 ..... Human Anatomy and Physiology II (5)

GENERAL BIOLOGY (10 CREDITS)

- BIOL&160 ..... General Cell Biology (5)
- BIOL&222 ..... Introduction to Cellular & Molecular Biology (5)

MICROBIOLOGY (5 CREDITS)

- BIOL&260 ..... General Microbiology (5)

CHEMISTRY (5 CREDITS)

- CHEM&110 ..... Chemical Concepts (5)
- CHEM&161 ..... General Chemistry (5)
- CHEM&262 .... Organic Chemistry (5)

STATISTICS (5 CREDITS)

- MATH 136..... Inferential Statistics (5)
- MATH&146 ..... Introduction to Statistics (5)

ENGLISH (10 CREDITS)

- ENGL&101 ..... English Composition I (5)
- ENGL&102 ..... English Composition II (5)
- ENGL 103..... English Composition III (5)
- ENGL&235..... Technical Writing (5)
- ENGL 301..... Professional Writing and Communication in Healthcare (5)

Other recommended courses include biochemistry, genetics, and social sciences (sociology, psychology, and anthropology).

BACHELOR OF APPLIED SCIENCE IN Community Health Respiratory Care

Pre-admission Requirements

- Associate degree in Respiratory Care (or 90 college level credits) and RT credential or Associate degree (or 90 college level credits) in another subject with RT credential.
- Students may be admitted to the program, but must complete the following lower division courses with an earned grade of C or higher prior to taking 300 level CH courses: ENGL& 101 and MATH 136 or MATH& 146.

General Education Requirements (45 credits)

COMMUNICATION (10 CREDITS)

- ENGL&101 ..... English Composition I (5)
- ENGL 301 ..... Professional Writing and Communication in Healthcare (5)

HUMANITIES (10 CREDITS)

- CMST 320 ..... Professional and Organizational Communication (5)
- PHIL 320 ..... Ethical Decision Making (5)

SOCIAL SCIENCE (10 CREDITS)

Recommend to choose from the following:

- PSYC&100 ..... General Psychology (5)
- PSYC&200 ..... Lifespan Psychology (5)
- PSYC 360 ..... Health Psychology (5)
- SOC&101 ..... Introduction to Sociology (5)
- SOC&201 ..... Social Problems (5)

NATURAL SCIENCE (10 CREDITS)

Recommend to choose from the following:

- ANTH&205..... Biological Anthropology (5)
- BIOL&160 ..... General Cell Biology (5)
- BIOL&241 ..... Human Anatomy and Physiology I (5)
- BIOL&242 ..... Human Anatomy and Physiology II (5)
- GEOG 205..... Physical Geography (5)
- NUTR&101 ..... Human Nutrition (5)

QUANTITIVE SKILLS (5 CREDITS)

- Math 136 ..... Inferential Statistics (5)
  or Math&146... Introduction to Statistics (5)

Core Requirements (50 credits)

- CHP 300 ..... Introduction to Community Health (5)
- CHP 305..... Community Health Advocacy (5)
- CHP 310 ..... Community Health Communications and Infomatics (5)
- CHP 315..... Health Policy, Law, and Ethics (5)
- CHP 320..... Introduction to Epidemiology (5)
- CHP 325..... Population Health and Wellness (5)
- CHP 330..... Program Planning and Evaluation (5)
- CHP 335..... Healthcare Research Methods (5)
- CHP 420..... Education in Healthcare (5)
- CHP 490..... Community Health Professional Capstone(5)

Community Health Respiratory Care Electives (15 credits)

15 credits from below:

- CHRC 400 ..... Tobacco and Nicotine Treatment (5)
- CHRC 410..... Leadership for the Health Care Professional (5)
- CHRC 430 ..... Advanced Patient Care (5)

General College Level Electives (70 credits)

Any college-level course will meet these requirements. Recommend courses in health disciplines. General Electives should ideally include the following:

- CU 103 ..... Excel I (3)
- CU 203..... Excel II (3)
- HIT 130..... Medical Terminology (3)

Students pursing graduate education in a clinical degree should work with a BAS faculty advisor for very specific course requirements. For applying to medical schools (M.D., D.O, D.M.D), one year of biology courses, one year of inorganic chemistry along with physics and pre-calculous should be considered. The following courses should be considered for pre-nurse practitioner, pre-physician assistant, or pre-physical therapy.

HUMAN ANATOMY & PHSIOLOGY (10 CREDITS)

- BIOL&241 ..... Human Anatomy and Physiology I (5)
- BIOL&242 ..... Human Anatomy and Physiology II (5)

GENERAL BIOLOGY (10 CREDITS)

- BIOL&160 ..... General Cell Biology (5)
- BIOL&222 ..... Intro. to Cellular & Molecular Biology (5)

MICROBIOLOGY (5 CREDITS)

- BIOL&260 ..... General Microbiology (5)

BACHELOR OF APPLIED SCIENCE IN Community Health Respiratory Care

CHEMISTRY (5 CREDITS)

- CHEM&110 ..... Chemical Concepts (5)
- CHEM&161 ..... General Chemistry (5)
- CHEM&262 .... Organic Chemistry (5)

STATISTICS (5 CREDITS)

- MATH 136 ..... Inferential Statistics (5)
- MATH&146 ..... Introduction to Statistics (5)

ENGLISH (10 CREDITS)

- ENGL&101 ..... English Composition I (5)
- ENGL&102 ..... English Composition II (5)
- ENGL 103 ..... English Composition III (5)
- ENGL&235 ..... Technical Writing (5)
- ENGL 301 ..... Professional Writing and Communication in Healthcare (5)

Other recommended courses include biochemistry, genetics, and social sciences (sociology, psychology, and anthropology).

BACHELOR OF APPLIED SCIENCE IN Community Health Certificates

Community Paramedicine Certificate

This certificate will prepare current paramedics to work as a community paramedic. A Community Paramedic (CP) is an advanced paramedic that works to increase access to primary and preventative care and decrease use of emergency departments, which in turn decreases healthcare costs. Among other things, CPs may play a key role in providing follow-up services after a hospital discharge to prevent hospital readmission. CPs can provide health assessments, chronic disease monitoring and education, medication management, immunizations and vaccinations, laboratory specimen collection, hospital discharge follow-up care and minor medical procedures.

PROGRAM CHAIR

Community Health Professional Specialization
Brinda Sivaramakrishnan
253-566-3954 / bsivaramakrishnan@tacomacc.edu

Community Health Professional and Respiratory Care Specialization
Brandon Censon
253-566-5214 / bcenson@tacomacc.edu

PROGRAM OUTCOMES

Upon successful completion of this program, students will be able to:

- Identify and critique the influences of community health policies and practices on past, present, and future critical health issues of society
- Identify the fundamental principles of community health to individual, community, and population health issues as well as disease incidence and prevalence
- Examine the causes and prevalence of chronic and infectious diseases and describe prevention, maintenance, and treatment strategies
- Describe the role of theory in health promotion, research, and practice to understand and change environmental and behavioral factors
- Identify and critique the impact of health disparities in health behaviors, intervention strategies, community health policies, and access to quality healthcare
- Critique cultural, legal, policy, and ethical factors that influence health status of individuals and populations
- Use appropriate research and statistical tools and techniques to evaluate community health data related to outcomes, prevention, management, and treatment approaches
- Identify culturally sensitive approaches to health communication with individuals, goups, communities, and populations
- Develop and appraise community programs and interventions through assessment, planning, implementation, and evaluation
- Practive team collaboration, leadership, and management skills in a variety of settings
- Use effective written and oral skills to communicate with different populations within a given community
- Create and deliver patient/client/community education
- Demonstrate professional communication, teamwork, ethics, inquiry, and analysis, quantitative literacy, and diversity in pre-hospital practice
- Apply advanced professional medical practices in pre-hosptal settings

Certification Requirements

» CHPM 430 ..... Community Paramedicine (10)
» CHPM 440 ..... Community Paramedicine Internship (5)

BACHELOR OF APPLIED SCIENCE IN Community Health Certificates

Critical Care Transport Specialist Certificate

This Critical Care Transport certificate is designed to prepare the paramedic for advanced critical care on ground and air transports. This includes providing advanced clinical patient assessments and providing invasive care beyond the standard scope of advanced pre-hospital care. Upon completion of this series, the student may take the Certified Flight Paramedic (FP-C) and/or the Certified Critical Care Paramedic (CCP-C) exams held by the International Board of Specialty Certification (IBSC)

PROGRAM CHAIR

Community Health Professional Specialization
Brinda Sivaramakrishnan
253-566-3954 / bsivaramakrishnan@tacomacc.edu

Community Health Professional and Respiratory Care Specialization
Brandon Censon
253-566-5214 / bcenson@tacomacc.edu

PROGRAM OUTCOMES

Upon successful completion of this program, students will be able to:

- Identify and critique the influences of community health policies and practices on past, present, and future critical health issues of society
- Identify the fundamental principles of community health to individual, community, and population health issues as well as disease incidence and prevalence
- Examine the causes and prevalence of chronic and infectious diseases and describe prevention, maintenance, and treatment strategies
- Describe the role of theory in health promotion, research, and practice to understand and change environmental and behavioral factors
- Identify and critique the impact of health disparities in health behaviors, intervention strategies, community health policies, and access to quality healthcare
- Critique cultural, legal, policy, and ethical factors that influence health status of individuals and populations
- Use appropriate research and statistical tools and techniques to evaluate community health data related to outcomes, prevention, management, and treatment approaches
- Identify culturally sensitive approaches to health communication with individuals, goups, communities, and populations
- Develop and appraise community programs and interventions through assessment, planning, implementation, and evaluation
- Practive team collaboration, leadership, and management skills in a variety of settings
- Use effective written and oral skills to communicate with different populations within a given community
- Create and deliver patient/client/community education
- Demonstrate professional communication, teamwork, ethics, inquiry, and analysis, quantitative literacy, and diversity in pre-hospital practice
- Apply advanced professional medical practices in pre-hosptal settings

Certification Requirements

» CHPM 450 ..... Critical Care Transport (10)
» CHPM 460 ..... Critical Care Transport Internship (5)

BACHELOR OF APPLIED SCIENCE IN Community Health Certificates

Global Health and Cultural Competency Certificate

The Global Health and Cultural Competency certificate is designed to allow students to explore the impact of culture on healthcare. Field experience will allow students to practice and implement strategies to integrate knowledge into their professional role in the delivery of care.

PROGRAM CHAIR

Community Health Professional Specialization
Brinda Sivaramakrishnan
253-566-3954 / bsivaramakrishnan@tacomacc.edu

PROGRAM OUTCOMES

Upon successful completion of this program, students will be able to:

- Identify and critique the influences of community health policies and practices on past, present, and future critical health issues of society
- Identify the fundamental principles of community health to individual, community, and population health issues as well as disease incidence and prevalence
- Examine the causes and prevalence of chronic and infectious diseases and describe prevention, maintenance, and treatment strategies
- Describe the role of theory in health promotion, research, and practice to understand and change environmental and behavioral factors
- Identify and critique the impact of health disparities in health behaviors, intervention strategies, community health policies, and access to quality healthcare
- Critique cultural, legal, policy, and ethical factors that influence health status of individuals and populations
- Use appropriate research and statistical tools and techniques to evaluate community health data related to outcomes, prevention, management, and treatment approaches
- Identify culturally sensitive approaches to health communication with individuals, goups, communities, and populations
- Develop and appraise community programs and interventions through assessment, planning, implementation, and evaluation
- Practive team collaboration, leadership, and management skills in a variety of settings
- Use effective written and oral skills to communicate with different populations within a given community
- Create and deliver patient/client/community education

Certification Requirements

» CHP 360.....Global Health (5)
» CHP 440.....Health, Culture, and Diversity (5)

BACHELOR OF APPLIED SCIENCE IN Community Health Certificates

Tobacco and Nicotine Treatment Specialist Certificate

This program offers a certification training program for tobacco treatment specialists. The goal of this program is to aid health care professionals in becoming competent in the provision of treatment for individuals dependent on tobacco and to formally recognize this competence. This training program is designed for healthcare professionals with a strong interest in providing tobacco dependence treatment

PROGRAM CHAIR

Community Health Respiratory Care Specialization
Greg Carter
253-566-5231 / gcarter@tacomacc.edu

PROGRAM OUTCOMES

Upon successful completion of this program, students will be able to:

- Identify and critique the influences of community health policies and practices on past, present, and future critical health issues of society
- Identify the fundamental principles of community health to individual, community, and population health issues as well as disease incidence and prevalence
- Examine the causes and prevalence of chronic and infectious diseases and describe prevention, maintenance, and treatment strategies
- Describe the role of theory in health promotion, research, and practice to understand and change environmental and behavioral factors
- Identify and critique the impact of health disparities in health behaviors, intervention strategies, community health policies, and access to quality healthcare
- Critique cultural, legal, policy, and ethical factors that influence health status of individuals and populations
- Use appropriate research and statistical tools and techniques to evaluate community health data related to outcomes, prevention, management, and treatment approaches
- Identify culturally sensitive approaches to health communication with individuals, goups, communities, and populations
- Develop and appraise community programs and interventions through assessment, planning, implementation, and evaluation
- Practive team collaboration, leadership, and management skills in a variety of settings
- Use effective written and oral skills to communicate with different populations within a given community
- Create and deliver patient/client/community education
- Demonstrate professional communication, teamwork, ethics, inquiry, analysis, quantitative literacy, and diversity in pre-hospital practice
- Apply advanced professional medical practices in pre-hosptal setting

Certification Requirements

» CHRC 400 ..... Tobacco and Nicotine Treatment (5)

BACHELOR OF APPLIED SCIENCE IN

IT Networking Information Systems and Technology

The Bachelor of Applied Science in Information Systems and Technology will enable graduates to meet the needs of a broad scope of information technology skills. The ITN-IST BAS at TCC was created as a pathway for students to become well rounded, soft skilled enabled IT professionals. It seeks to develop not only their technical expertise, but also their ability to work as a team and communicate effectively and professionally. With ethics as its corner stone, graduates will be trained and possess industry certifications in topics such as cloud computing, cybersecurity and forensics, networking, and databases. Students from the BAS, will learn how to properly configure and maintain current and emerging technology for a wide range of business and government applications. By providing a broad-based curriculum, TCC prepares graduates for the challenges of the ever-changing job market. This holistic approach ensures graduates have a competitive edge and possess a broadly desired skill set for future employers.

PROGRAM CHAIR

Sergio Hernandez
253-460-4362 / shernandez@tacomacc.edu

PROGRAM OUTCOMES

- Evaluate, implement and demonstrate effective communication across all levels of the organization and to diverse audiences.
- Formulate an understanding of the value of diversity and community as it relates to technology fields with attention to the dynamics of power and privilege.
- Design policies that support data integrity, confidentiality, availability, and security within the organizational structure.
- Improve ethical behaviors, innovation and critical thiking, teamwork, and technical proficiency commensurate with duties of an information technology professional.
- Analyze, evaluate, and implement comprehensive project plans by applying analytical tools, information systems and emerging technologies to improve business processes and eliminate security vulnerabiliites.
- Recommend acceptable resolutions to ethical issues and dilemmas to improve desired organizational outcomes.
- Investigate and recommend solutions to security threats.

Pre-admission Requirements

» Associate Degree in Networking and Cyber Security OR Associate Degree (or 90 college level credits) in other field AND A+ Certification AND Network + Certification

Lower Division General Education (35 credits)

COMMUNICATION (5 CREDITS)

» ENGL&101 ..... English Composition I (5)

HUMANITIES (5 CREDITS)

Recommend to choose from the following:

» PHIL&101 ..... Introduction to Philosophy (5)
» CMST&101 ..... Introduction to Communication (5)
» CMST 110..... Multicultural Communication (5)
» CMST&210 ..... Interpersonal Communication (5)
» CMST&220 ..... Public Speaking (5)

SOCIAL SCIENCE: (10 CREDITS)

Recommend to choose from the following:

» BUS&201 ..... Business Law (5)
» POLS&202 ..... American Government (5)
» PSYC&100..... General Psychology (5)
» SOC&101 ..... Introduction to Sociology (5)
» SOC&201 ..... Social Problems (5)
» SOC 262 ..... Race and Ethnic Relations (5)

NATURAL SCIENCE (10 CREDITS)

Recommend to choose from the following:

» GEOG 210..... Maps, GIS and the Environment (5)
» ENVS&101 ..... Introduction to Environmental Science (5)

QUANTITIVE SKILLS (5 CREDITS)

» Math 136 ..... Inferential Statistics (5)
or Math&146... Introduction to Statistics (5)

Upper Division General Education (10 credits)

» CMST 320..... Professional and Organizational Communication (5)
» PHIL 320..... Ethical Decision Making (5)

Core Requirements (55 credits)

» LS 301..... Research Skills for BAS (2)
» IT 301 ..... Scripting and Programming for Network Administration (5)
» IT 301 ..... Emerging Communication Technology (3)
» IT 305 ..... Remote and Virtualized Platforms (5)
» IT 321 ..... Advanced Information and Data Security (5)
» IT 361 ..... Cloud Computing (5)
» IT 418 ..... Advanced Technology Integration (5)
» IT 421 ..... Cyber Operations (5)
» IT 441 ..... Data Science and Big Data Analytics (5)
» IT 461 ..... Advanced Routing and Switching (5)
» IT 481 ..... Information Systems Capstone (5)

General College Level Electives (80 credits)

Any college level course will meet requirements. Recommend courses in the following disciplines: IT, Business, Technical Writing, Ethics/Human Relations, Leadership/Management.