2017 ACADEMIC FACT BOOK

Colorado Technical University

Foreword

Dear Participants in the CTU Community:

We are pleased to offer the 2017 Colorado Technical University (CTU) Fact Book on behalf of our faculty and staff. Guided by our mission, the CTU Fact Book presents a snapshot of the rich and varied activities and initiatives that support our students as they pursue their personal and professional goals. We are proud to highlight the activities that occurred during 2017 and/or existed as of December 31, 2017, including those in the following key areas:

- Strategy
- Accreditation and Affiliations
- Awards and Recognitions
- Student, Faculty, and Staff Profiles
- Academic Assessment
- Scholarships
- Thought Leadership
- Co-curricular, Extra Curricular, and Community Engagement

The CTU Fact Book also reflects the efforts by our teams to uphold our academic quality standards by engaging students, honoring their experiences, and helping them adapt for the workplace as important contributors.

The CTU Fact Book should be used in coordination with public sources of CTU information, including the informational disclosures on the CTU website, CTU Course Catalog, and CTU Student Handbook.

As our University continues to develop and grow, the CTU Fact Book should also reflect these changes. We invite you to share your thoughts and suggestions at IE@coloradotech.edu so we can improve our communications.

This is a very exciting time for Colorado Technical University and we are excited to share our story!

Best Regards,

Andrew H. Hurst

President
Colorado Technical University

Constance Johnson, Ed.D.

Chief Academic Officer/Provost
Colorado Technical University

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Mission Statement

Strategic Plan Statement

University Mission

Colorado Technical University's (CTU) mission statement is reviewed every three to five years as part of the strategic planning process and was reviewed, revised, and affirmed by the Board of Trustees in 2015. The revised mission statement (located on CTU's website and Academic Catalog) reflects the institution's commitment to offer educational programs that are industry relevant:

Colorado Technical University's mission is to provide industry-relevant higher education to a diverse student population through innovative technology and experienced faculty, enabling the pursuit of personal and professional goals.

University Strategic Plan Statement

Goals and objectives provide a framework for accountability over the year and place a focus on the items necessary to accomplish to ensure the provision of high quality education and outcomes. For 2017 the areas of focus included, with some highlights:

- **Continue to grow and evolve the student population**
  - Launched new corporate partnership program
- **Become a leader in student experience and success**
  - Continued focus with the student mobile application as an important aspect of student and faculty experience
- **Expand our academic leadership position**
  - Leveraged adaptive learning in innovative ways
  - Continued focus on academic thought leadership
- **Deepen institutional commitment to home state of Colorado**
  - *CTU Presents* speaker series
  - CTU 1st annual scholarship golf outing
- **Elevate employee satisfaction**
  - Launched faculty mobile app

University Structure

CTU Executive Leadership Team

Andrew Hurst
President

Connie Johnson, Ed.D.
Provost & Chief Academic Officer

Mark Seglem
Regional Vice President

Carla Caldwell
Vice President of Admissions

Elise Baskel
Vice President University Strategy & Operations

Erin Kraft
Vice President, Finance

Keith Armstrong
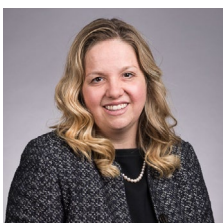Vice President of Admissions

Provost Council

Connie Johnson, Ed.D.
Provost & Chief Academic Officer

Douglas Stein, Ph.D.
Vice Provost

Emma Zone, Ed.D.
Vice Provost

Tonya Troka Ed.D.
General Education & Psychology

Ruth Tarantine, D.N.P., RN
Nursing

Tony Lyons, D.M.
Business and Management

Yanzhen Qu, Ph.D.
Computer Science and Technology

Board of Trustees

Andrew Hurst
University President
Colorado Technical University

Mark Handler
Executive VP Managing Director (Retired)
The Walt Disney Internet Group

Charles K. Dempster
Chairman & CEO
Aquila Energy Corporation (Retired)

Stacey Sauchuk, Ph.D.
President
Valley Forge Military Academy and College

Mark K. Seglem
Regional Vice President, Colorado Campuses
Colorado Technical University

Thomas Peterman, Ph.D.
Vice President for Distance Learning
Park University (Retired)

Connie Johnson, Ed.D
Chief Academic Officer & Provost
Colorado Technical University

Accreditations, Affiliations, and Awards

Accreditation

CTU maintains various accreditations and affiliations both regionally and programmatically. As noted on the University website and Academic Catalog:

Regional Accreditation:

The Higher Learning Commission

CTU is accredited by the Higher Learning Commission (hlcommission.org), a regional accreditation agency recognized by the U.S. Department of Education.

Programmatic Accreditation:

Engineering Accreditation Commission of ABET

The Bachelor of Science in Computer Engineering and the Bachelor of Science in Electrical Engineering at the Colorado Springs Campus are accredited by the Engineering Accreditation Commission of ABET http://www.abet.org/.

Accreditation Council for Business Schools and Programs (ACBSP)

ACBSP is a specialized accreditation association for business education supporting, celebrating, and rewarding teaching excellence. Established in 1988, ACBSP is a business accrediting organization for all associate, baccalaureate and graduate degree programs. ACBSP accreditation certifies that the teaching and learning processes within the Business Administration degree programs meet the rigorous educational standards established by ACBSP. www.acbsp.org.

The following CTU Programs are accredited by ACBSP:

- Associate of Science in Business Administration
- Associate of Science in Accounting
- Bachelor of Science in Accounting
- Bachelor of Science in Business Administration (general BSBA)
- Bachelor of Science in Business Administration (with concentrations in Business Development, Finance, Healthcare Management, Human Resource Management, Information Technology, International Business, Logistics and Supply Chain Management, Management, Marketing, Organizational Behavior and Project Management)
- Bachelor of Science in Project Management
- Bachelor of Science in Finance
- Master of Business Administration (general MBA)
- Master of Business Administration (with concentrations in Accounting, Entrepreneurship, Finance, Global Leadership, Healthcare Management, Human Resource Management, Logistics Management, Logistics and Supply Chain Management, Marketing, Operations and Supply Chain Management, Operations Management, Project Management, and Technology Management)
- Master of Science in Accounting

Commission of Collegiate Nursing Education

The Bachelor of Science in Nursing degree program and the Master of Science in Nursing degree program at CTU is accredited by the Commission of Collegiate Nursing Education (http:// www.ccneaccreditation.org).

Project Management Institute (PMI®)

CTU has been reviewed and approved as a provider of project management training by the Project Management Institute (PMI). As a PMI Registered Education Provider (R.E.P.), Colorado Technical University has agreed to abide by PMI established quality assurance criteria. CTU's courses in project management are approved by PMI to count as professional development units (PDUs) for training courses and events. The following CTU programs are accredited by the PMI Global Accreditation Center for Project Management Education Programs (GAC):

- Master of Science in Management with a concentration in Project Management delivered through Colorado Technical University's Online Campus
- Bachelor of Science in Business Administration with a concentration in Project Management delivered through Colorado Technical University's Online Campus
- Master of Business Administration with a Concentration in Project Management delivered at the applicable ground campuses and Colorado Technical University's Online Campus
- Master of Science in Management with a Concentration in Information Systems Security delivered at the applicable ground campuses
- Master of Science in Management with a Concentration in Information Technology/ Project Management delivered at the applicable ground campuses and Colorado Technical University's Online Campus
- Bachelor of Science in Project Management delivered at the applicable ground campuses and CTU's Online Campus

PMI is a registered mark of the Project Management Institute, Inc. For the full list of PMI's legal marks, please contact the PMI Legal department.

Certification and Alignment

Industry standards are a major focus at CTU in terms of course and program development. CTU remains focused to provide students with curriculum that reflects the demands of each field represented within our programs. Certification, recognition, and alignment of various programs includes:

National Security Agency and Department of Homeland Security

The Department of Homeland Security and the National Security Agency (DHS/NSA) have recognized Colorado Technical University as a National Center of Academic Excellence in Information Assurance and Cyber Defense (CAE IA/CD). The CTU cyber security curriculum was certified thereby to map to the DHS/NSA cybersecurity knowledge units. This recognition and certification is valid through 2021. This CAE IA/CD designation is applicable to the following degree programs:

- Doctor of Computer Science – Information Assurance Concentration
- Master of Science in Computer Science – Computer Systems Security Concentration
- Master of Science in Cybersecurity Policy
- Master of Science in Homeland Security

- Master of Science in Information Technology – Security Management Specialization
- Master of Science in Management – Information Systems Security Concentration
- Bachelor of Science in Criminal Justice– Cybercrime and Security Concentration
- Bachelor of Science in Cyber Security – Computer Systems Security Concentration
- Bachelor of Science in Cyber Security – Information Assurance Concentration
- Bachelor of Science in Information Technology – Security Specialization

Society for Human Resource Management (SHRM)

The Society for Human Resource Management (SHRM) has acknowledged that CTU's Bachelor of Science in Business Administration with a concentration in Human Resource Management and Master of Business Administration with a concentration in Human Resource Management have renewed their alignment with SHRM's HR Curriculum Guidebook and Templates.

The HR Curriculum Guidebook and Templates were developed by SHRM to define the minimum HR content areas that should be studied by HR students at the undergraduate and graduate levels. Society for Human Resource Management: 1800 Duke Street, Alexandria, VA 22314. (800) 283-7476 http://www.shrm.org.

Licensure

Department of Higher Education, Colorado Commission on Higher Education (CCHE)

CTU's authorization to award degrees has been granted by the State of Colorado, Department of Higher Education, Colorado Commission on Higher Education: 1600 Broadway, Suite 2200, Denver, CO 80202. (303) 862-3001

http://highered.colorado.gov

Awards and Recognitions

CTU is proud to be recognized for its award winning learning options for our students. Here is a representation of some of the recognition CTU received in 2017:

CTU'S ONLINE DEGREE PROGRAMS RANKED AMONG THE BEST IN 2017

For the third year in a row, multiple CTU online degree programs were ranked among the Best Online Programs lists by U.S. News and World Report, a globally respected organization and on authority in education rankings. For the third year in a row, CTU's online Bachelor's programs received U.S. News & World Report's Best for Veterans designation. This is the second year in a row that CTU's online MBA and non-MBA graduate business programs ranked on the Best Online Programs lists. Also, CTU's online graduate computer information technology programs and online graduate criminal justice programs were ranked for the third year in a row.

U.S. News evaluates programs on criteria including student engagement, faculty credentials, student services and available technologies, and peer reputation.

2017 CTU'S ONLINE MBA RANKED TIER ONE AND TOP TEN GLOBAL ONLINE MBA SCHOOL

CEO Magazine has been showcasing business schools from around the globe since it first launched in 2008. The magazine added its annual Global MBA Rankings in 2012. In 2017, Colorado Technical University received Tier One North American MBA School and Top Ten Global Online MBA School rankings. Schools are assessed using a fact-based criteria based upon key, weighted data points such as quality of faculty, accreditation, faculty to student ratio, professional development and more. The rankings include schools from Europe, North America, Australia, New Zealand and the BRICs (Brazil, Russia, India and China).

2017 TOP MILITARY FRIENDLY UNIVERSITY

For nine years in a row, Military Advanced Education has recognized CTU in its Guide to Military-Friendly Colleges & Universities as one of the top universities serving the educational needs of the Armed Forces.

2017 COUNCIL OF COLLEGE AND MILITARY EDUCATORS (CCME) INSTITUTION AWARD

In 2017 and 2008, CTU received the Council of College and Military Educators (CCME) Institution Award. This award is presented to an organization in recognition of its quality education programs to military and veteran students and their family members as well as the significant contributions to the cause of military education.

Populations for: Students, Faculty and Staff
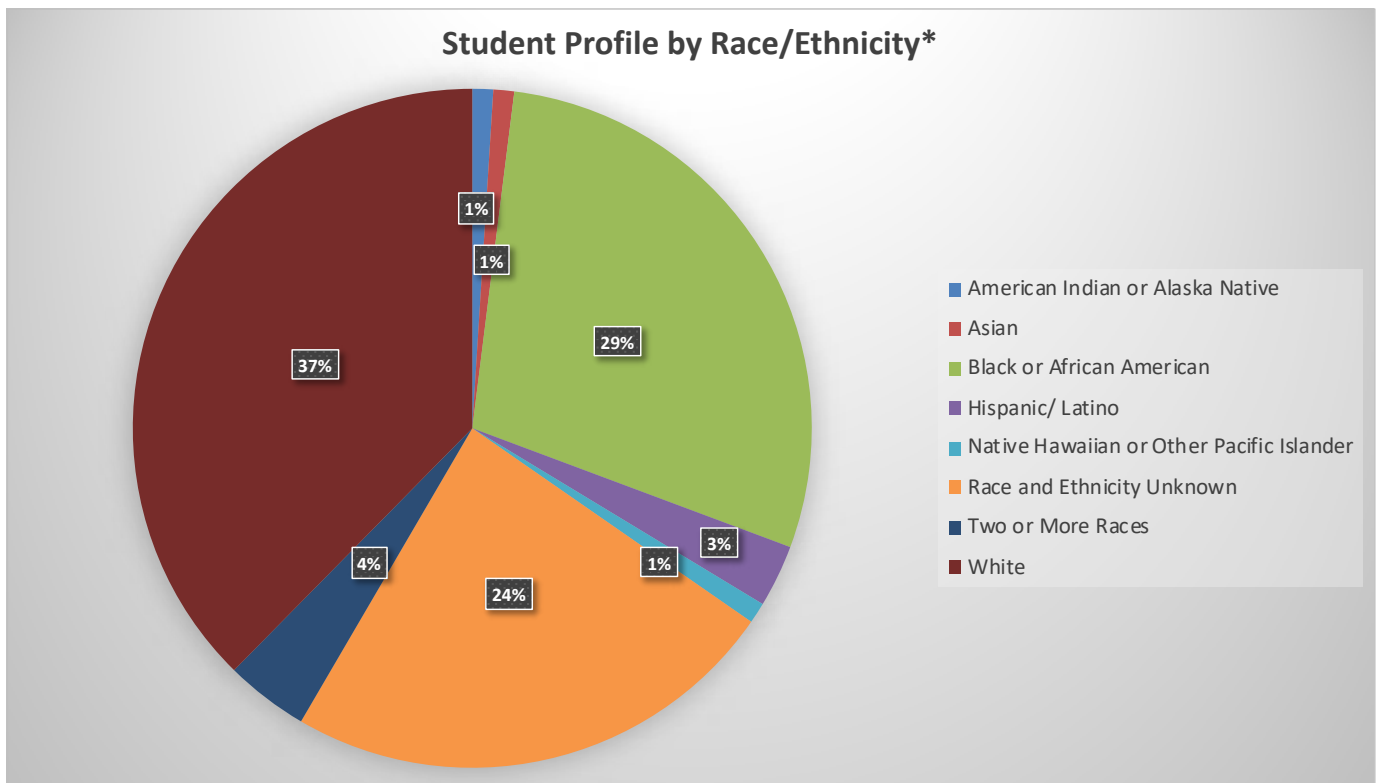
Student Population

CTU recognizes that our students are a diverse population and that diversity is what helps define this University and guides the Mission. We are proud of all our students who choose CTU for ongoing personal discovery and professional achievement.

Student counts (Per IPEDS Fall Reporting Data)	2017
Full-time Undergraduate Count	14,445
Part-time Undergraduate Count	7,684
Full-time Graduate Count	2,805
Part-time Graduate Count	406

Student profile data

2017 Students by Race/Ethnicity, Gender
This data is representative of students enrolled during fall 2017 as reported to the Integrated Postsecondary Education Data System (IPEDS) within the 2017-2018 collection year's Fall Enrollment Survey.

Student Profile by Race/Ethnicity*

- 1%
- 1%
- 29%
- 37%
- 4%
- 24%
- 1%
- 3%

Legend:
- American Indian or Alaska Native
- Asian
- Black or African American
- Hispanic/ Latino
- Native Hawaiian or Other Pacific Islander
- Race and Ethnicity Unknown
- Two or More Races
- White

* Nonresident Alien = 0%

Student Profile by Gender Identification

■ Male	38%
■ Female	62%
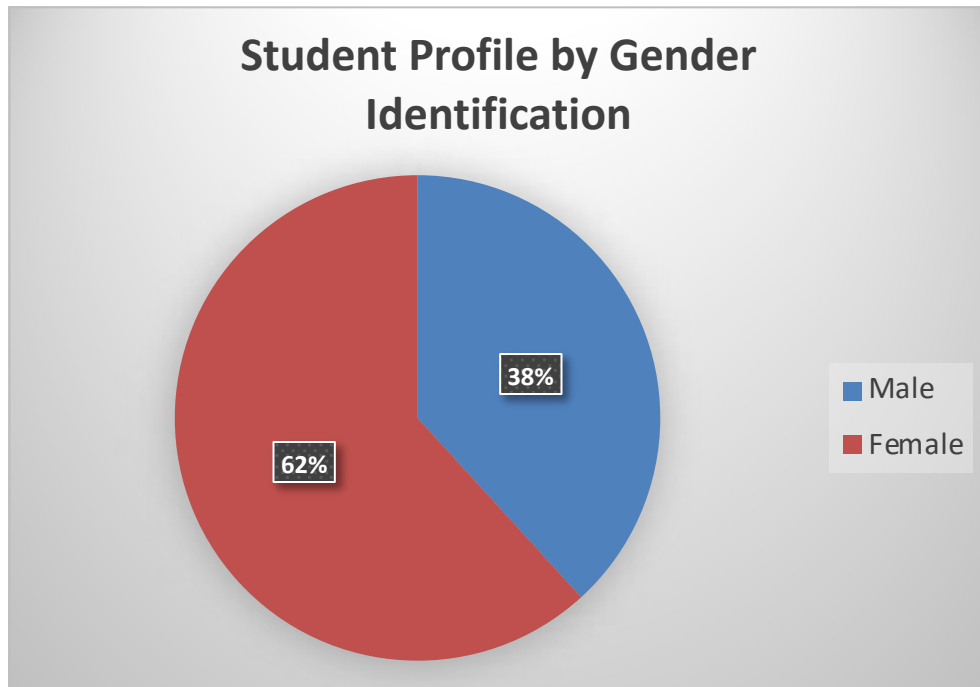
Retention Rates (first year undergraduate retention rates)

CTU's retention rate is based on students who enrolled at CTU during the period of July 1 – October 15, as reported to IPEDS during their 2017-2018 collection. The students contained in the calculation did not attend another college or university prior to enrolling in a Bachelor's Degree program at CTU. The calculation reflects the percentage of students who began their studies in the fall and continued their studies as of the following fall.

CTU Graduation Rate: 26%

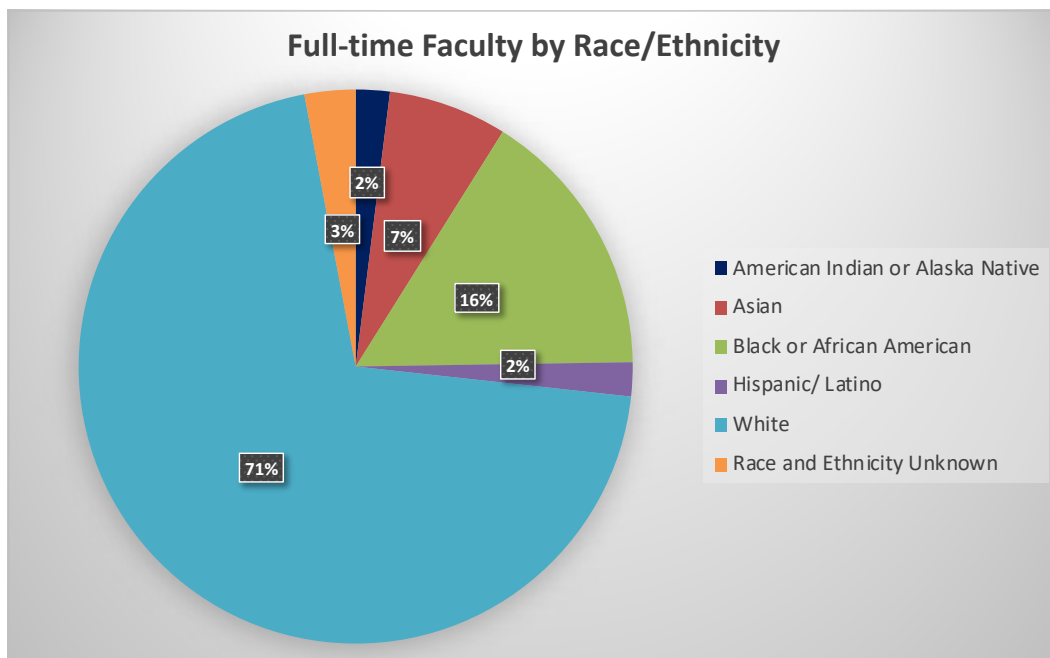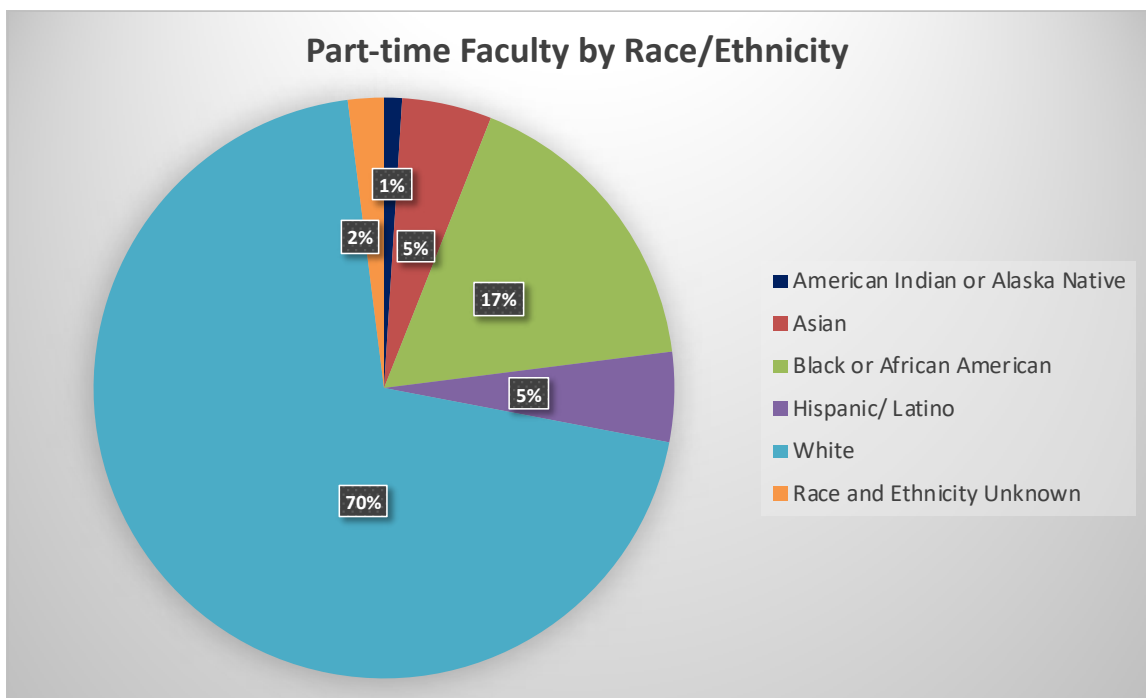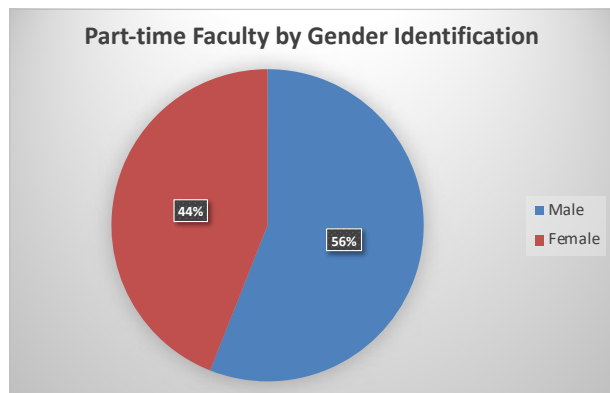| Cohort:	Retention Rate:	
Colorado Springs:	**Full-Time**	**Part-Time**
2016	50%	20%
2015	70%	70%
2014	54%	67%
Denver South:		
2016	56%	60%
2015	60%	29%
2014	39%	36%
Online:		
2016	43%	27%
2015	46%	33%
2014	44%	30%

Faculty and Staff Populations

Our faculty, administrators, student advisors, career services professionals and support staff are focused on individual student satisfaction and success. To that end, CTU is proud that our diversity extends beyond the student population and is reflected in who works for the University as well.

Faculty Profile

Faculty Demographics	Percentage (rounded)	
Race/Ethnicity:	**Full-time**	**Part-time**
Hispanic/ Latino	2%	5%
American Indian or Alaska Native	2%	1%
Asian	7%	5%
Black or African American	16%	17%
White	71%	70%
Race and Ethnicity Unknown	3%	2%
Gender Identification:		
Male	54%	56%
Female	45%	44%

Full-time Faculty by Race/Ethnicity

Legend:
- American Indian or Alaska Native
- Asian
- Black or African American
- Hispanic/ Latino
- White
- Race and Ethnicity Unknown

Full-time Faculty by Gender Identification

- 45% Female
- 54% Male

Part-time Faculty by Gender Identification

- 44% Female
- 56% Male

Part-time Faculty by Race/Ethnicity

- 1%
- 2%
- 5%
- 17%
- 5%
- 70%

- American Indian or Alaska Native
- Asian
- Black or African American
- Hispanic/ Latino
- White
- Race and Ethnicity Unknown

Academic Program Populations

Program Populations

While the student population data reported in other sections of the Fact Book reflects the number or percentage of students who began their studies in the fall and continued their studies as of the following fall; for program populations, the count includes all active students on December 31, 2017.

	Online	Colorado Springs	Denver South
Business & Management	61.2%	38.4%	40.7%
General Studies/Psychology	3.1%	N/A	0.3%
Computer Science/IT	16.3%	37.7%	44.3%
Nursing	1.4%	N/A	N/A
Security Studies/CJ	18.0%	15.9%	14.0%
Engineering	N/A	8.0%	0.7%

Degree Programs and Concentrations

For important information about the educational debt, earnings, and completion rates of students who attended these programs, go to www.coloradotech.edu/disclosures. Programs vary by location. Not all programs are available to residents of all states.

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*Please see the CTU University Catalog for available degree program concentrations.

COLLEGE OF BUSINESS AND MANAGEMENT AND DOCTORAL STUDIES

The mission of the College of Business and Management is to offer professional market-driven business degrees that build business competencies transferrable to all industries. The College of Business and Management accomplishes this mission by offering curriculum that aligns to industry standards, remains relevant, and builds practical skills applicable to the competitive global business environment.

Associate of Science in Accounting
Associate of Science in Business Administration
Associate of Science in Health Administration Services
Associate of Science in Management

Bachelor of Science in Accounting
Bachelor of Science in Business Administration*
Bachelor of Science in Healthcare Management*
Bachelor of Science in Management*
Bachelor of Science in Project Management

Master of Business Administration*
Master of Science in Accounting
Master of Science in Healthcare Management*
Master of Science in Management*

Doctor of Business Administration
Doctor of Computer Science*
Doctor of Management*

COLLEGE OF COMPUTER SCIENCE AND TECHNOLOGY

Through innovative curricula, degree programs ranging from associates to doctoral level, and technology-enabled student-centered teaching, the College of Computer Science and Technology empowers students to become effective, motivated, creative and hands-on professionals who can skillfully resolve challenges in Computer Science, Information Systems and Technology, and Cyber Security in order to meet the objectives of digital organizations.

Associate of Science in Information Technology

Bachelor of Science in Computer Science*
Bachelor of Science in Cyber Security*
Bachelor of Science in Information Assurance Security*
Bachelor of Science in Information Systems Management
Bachelor of Science in Information Technology*
Master of Science in Computer Science*
Master of Science in Cybersecurity Policy
Master of Science in Information Technology*

COLLEGE OF ENGINEERING

The mission of the College of Engineering is to graduate career-oriented professionals who are prepared to apply real-world, industry-current skills as professional engineers and computer scientists and are prepared for advanced learning opportunities.

Associate of Science in Electronics Technology

Bachelor of Science in Computer Engineering
Bachelor of Science in Electrical Engineering

Master of Science in Computer Engineering
Master of Science in Electrical Engineering
Master of Science in Systems Engineering

DEPARTMENT OF GENERAL EDUCATION AND PSYCHOLOGY

General Education courses at Colorado Technical University guide students in developing innovative thinking to inspire personal, professional, and academic growth.

Associate of Science in General Studies

Bachelor of Science in Psychology*

COLLEGE OF NURSING

Through an innovative curriculum and student- centered teaching, the nursing faculty teaches, supports, and inspires students to become competent, caring, and accountable professionals who serve a diverse client population within a dynamic health care environment.

Bachelor of Science in Nursing

Master of Science in Nursing*

COLLEGE OF SECURITY STUDIES

The mission of the College of Security Studies is to offer degrees in criminal justice, homeland security, and cybersecurity to create the professionals that will address issues these fields are facing today and likely to confront tomorrow. The College anticipates industry and enterprise trends that have significant societal impact in order to provide diverse programs that cultivate professional competencies, critical-thinking, ethical decision-making, and cultural sensitivity to promote social justice and global security.

Bachelor of Science in Criminal Justice*
Bachelor of Science in Cybercrime Investigation

Master of Science in Criminal Justice*
Master of Science in Homeland Security*

Assessment Data

Academic Assessment

Assessment Process and Structure

Assessment at CTU is defined as the process of learning how we know that our students are learning what we wanted them to learn. The University provides process structure and support for direct and indirect measures of assessment. Direct measures of assessment of curricular outcomes are evaluated using a variety of strategies including formats that include combinations of third-party examinations and simulations, common assignments, and capstones. Course-level assessment information is included within select courses' requirements as appropriate (e.g., course syllabus/syllabus addendum or course information). Specific examples of CTU's assessment methods include:

Assessment Methods	Source	Colleges Using:
Common Assessment Strategy (CAS)	CTU	University wide
Peregrine Competency Exam	Third party Vendor	College of Business, Management and Doctoral; College of Security Studies
Capsim	Third party Vendor	College of Business, Management and Doctoral
Sky Factor	Third party Vendor	College of Nursing
Institutional Effectiveness Methods		
Student and Faculty End-of-Course Surveys (EOCS)	CTU	University wide
Net Promoter Score (NPS) Survey	External	University wide
National Survey of Student Engagement (NSSE)	External	University wide - Undergraduate only
Ruffalo Noel Levitz (RNL) Survey	External	University wide
Library Survey and Statistics	CTU	University wide
Alumni Progression Survey	External	University wide
Employer Survey	External	University wide

Some examples of program level measures of direct assessment include:

- **Program Review**
  All programs undergo program review once every three years. Approximately one-third of all programs are reviewed annually, this year totaled 45 programs. Program review encompasses a Strength, Weakness, Opportunity, Threat (SWOT) analysis, a data review (students, faculty, curriculum, assessment, industry standards alignment review), and strategic planning recommendations. Program review results are communicated to affected constituencies (including program committees, faculty, industry advisory councils, etc.)

- **Assessment Workshops**
  Assessment workshops are conducted in each college annually. In 2017 eight assessment workshops were conducted. The goals of workshops included conducting review and testing of current assessment strategies and identifying opportunities for improvement in assessment strategies. In Q4 of 2017, a virtual workshop format was piloted for Cyber programs across CTU and was supported with synchronous activities, asynchronous activities, and a content management platform.

Common Assessment Strategy

Common Assignment Strategy (CAS) is an assessment strategy utilized by CTU. CAS requires one common assignment, used identically across all modalities within a course of a program, which reflects the intended learning outcomes. This assignment is assessed with a common rubric to determine the program's effectiveness toward student learning.

Assessment Workshops were conducted throughout multiple academic units and during the year.

Co-Curricular and Extra-Curricular Assessment

In 2017, CTU, through its Co-Curricular and Extra-Curricular Assessment Sub- Committee (a component of the Academic Assessment Committee) identified three areas of focus for assessment beginning in 2018:

• Student Success
• Career Services
• Learning Services

Each of the targeted areas defined and executed an assessment plan and measured results. Decisions were made in each area as outlined below:

Assessment Focus	Decisions Based on Results
New Student Orientation—Focus on increasing student engagement.	Detailed reporting will continue to be used to identify coaches with stronger student outcomes to continue to share best practiced across teams and between coaches for improved student outcomes.
Use existing survey to determine level of service satisfaction.	The indirect assessment target to increase participation goals was not met for either population. CTU decided to evaluate career service survey timing to determine if a change would help to increase survey participation.
Include Embedded Librarian and Smarthinking into certain courses to determine if these learning services resources increase student success.	The Embedded Librarian co-curricular assessment targets were met and the program will continue. The Smarthinking co-curricular assessment targets were not met, although results demonstrated some improvement, with average course grades increasing 1.5%. Course grades did not improve. The Department of General Education will continue to partner with Learning Solutions to explore additional interventions to educate and encourage students about the use of these resources.

Scholarship Opportunities

Scholarships and Grants

CTU offers new and returning students who meet eligibility criteria the opportunity to take advantage of a number of institutional grants and scholarships. Data includes recipients for each program as of December 31, 2017.

2017 Scholarship and Grant Recipients

- 2%
- 2%
- 14%
- 48%
- 32%
- 2%

Legend:
- ■ CTU Commitment Grant
- ■ CTU Corporate Educational Alliances Grant
- ■ CTU Wounded Warrior Scholarship
- ■ Liberty Grant
- ■ Lifelong Learning Grant
- ■ Other
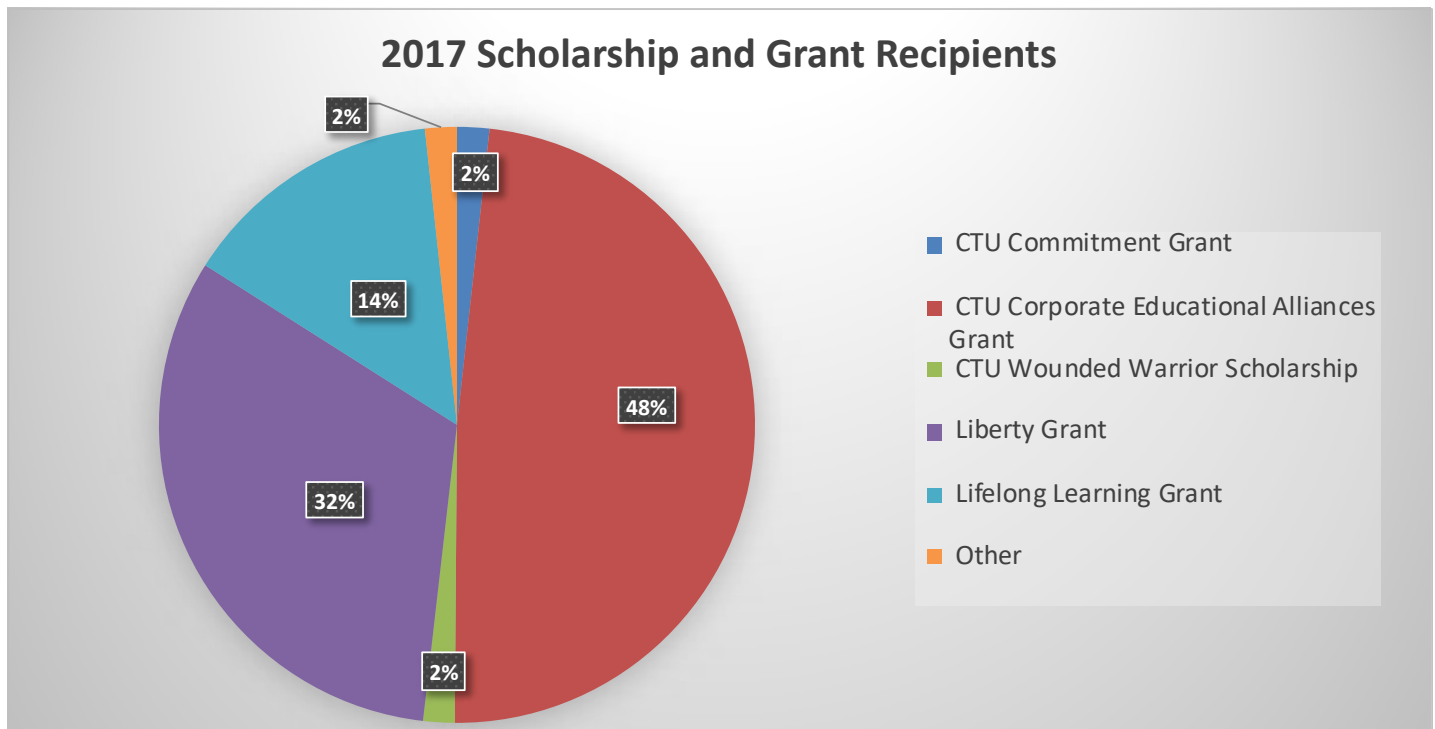
Thought Leadership Contributions

Faculty and Staff Participation

Engagement within the field of higher education is essential to the continued growth and success of the University. As such, faculty and leadership are encouraged to participate by way of presenting at conferences, submitting articles for publication, and generally being representatives of CTU. The chart below reflects the engagement of University representatives during 2017.

	Participants	Number of Events (conferences)	Publications
Academic-totals	**51**	**55**	**8**
Provost and Vice Provost team	11	23	1
College of Business Management and Doctoral Studies	12	12	1
College of Computer Science and Technology	6	7	3
College of Engineering	5	8	2
College of General Education and Psychology	14	7	1
College of Nursing	2	6	0
College of Security Studies	2	1	1

*Presentations occurred with single and multiple presenters, and multiple presentations may have occurred, so totals will not balance with participant counts.

Highlights:

- **ITC E-Learning 2017; February 19-22, 2017 St. Petersburg, Florida**

  Presentation: OER Design for the Non-Traditional Learner

- **Learning Solutions Conference and Exposition; March 22-24, 2017 Orlando, Florida**

  Professional development to support online teaching

- **OLC Innovate 2017; April 5-7, 2017 New Orleans, Louisiana**

  Presentation- Balancing technology and innovation in undergraduate business courses to improve student performance

- **Pacific Southwest ASEE Conference; April 20-22, 2017 Tempe, AZ (Arizona State University)**

  "Introduction to Engineering Using Google Docs and Interactive Video in Support of an Online Flipped Classroom Approach"

- **ASEE Annual Conference and Exposition Systems Engineering Division Technical Session 1 June 25-28, 2017 Columbus, Ohio**

  "Design & Development of a 3D-Printed Quadcopter Using A System Engineering Approach in an Electrical Engineering Master's Capstone Course"

- **Kern Engineering Entrepreneurial Network (KEEN) Integrating Curriculum with Entrepreneurial Mindset (ICE)** Workshop; August 8-12, 2017 Denver, Colorado

  Professional Development, Engineering Skills + Entrepreneurial Mindset = Educational Outcomes for integration to curriculum

- **COLTT 2017 Conference (Colorado Teaching and Learning with Technology); August 9-10, 2017 Denver, Colorado**

  "Beyond Basic Discussion Posts and Responses: How to Maximizing Student Engagement and Collaboration via Forums"

- **National League for Nursing Summit September 16-18, 2017 San Diego, California**

  Presentation on "Using Adaptive Learning and Open Education Resources to Transform Nursing Education"

- **American Association of Colleges of Nursing; Faculty Development Conference November 14-16, 2017 Atlanta, Georgia**

  Presentation- "Adaptive technology use in BSN curriculum: Improving student engagement"

- **The 2nd International Conference on Network Security (ICNS2017) December 8-10, 2017 Kunming, China**

  Provided a keynote speech "Challenges and Research Opportunities in IoT Security and Privacy" on December 9, 2017

- **2017 The 3rd IEEE International Conference on Computer and Communications Conference (ICCC2017) December 14 – 16, 2017 Chengdu, China**

  Provided a keynote speech " Artificial Intelligence: Current Status, Challenges, and Opportunities" on Dec. 14, 2017; also presented two academic research papers: "Quantifying the Impact of Big Data's Variety" on Dec. 14, 2017, and "A Quantitative Approach for Determining Pilot Affective Patterns During Soaring Flight Simulation" on Dec. 15, 2017

Co-curricular, Extra Curricular, and Community Engagement

LIVING OUR MISSION

"I LIVE THE CTU MISSION BY CONNECTING OUR STUDENTS AND ALUMNI WITH EMPLOYERS AND VOLUNTEER ORGANIZATIONS IN THE COLORADO COMMUNITY SO THAT THEY CAN ACHIEVE THEIR PERSONAL AND PROFESSIONAL GOALS."

JAYME H. BROWN, MSM-PM
CAMPUS DIRECTOR OF
CAREER SERVICES
CTU COLORADO SPRINGS

Colorado Technical University

Co-curriculuar

CTU acknowledges that connected students are more engaged students. There are a number of ways in which CTU students can connect with other students and faculty at CTU, toward supporting and enhancing their academic experience. A few notable examples include:
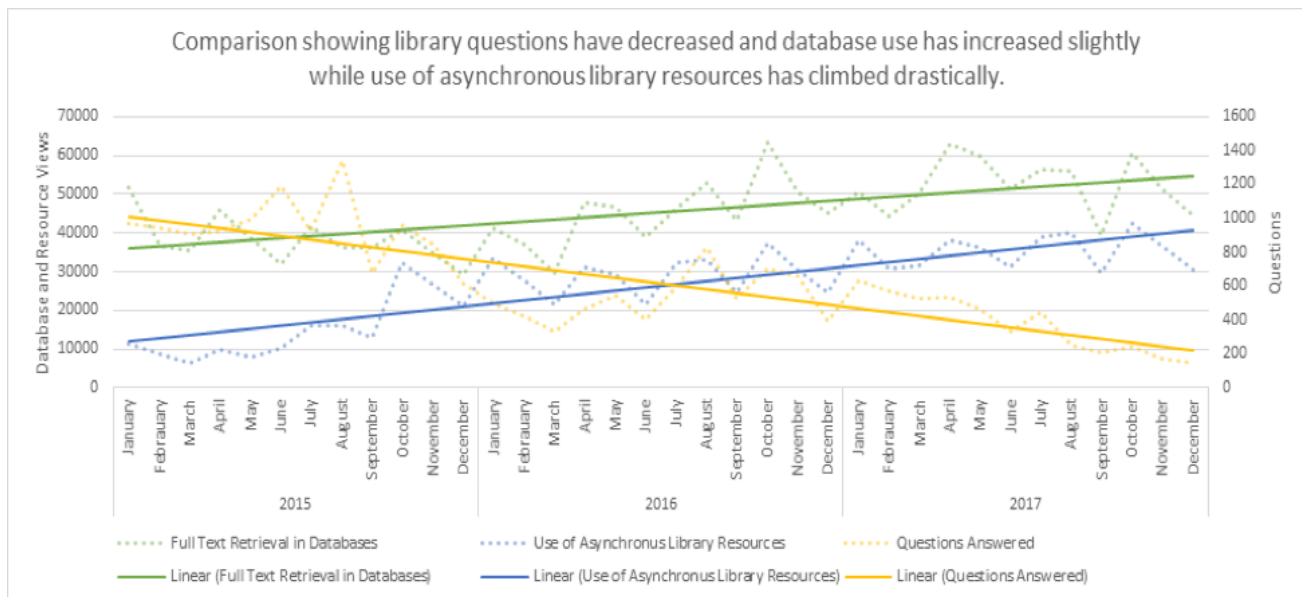
Doctoral Symposium

Doctoral students are required to attend residential symposium events during their enrollment in the program, which are offered four times throughout the year. All doctoral students attending their first symposium have an additional required CTU student orientation the day prior to the start of the residential symposium. The table below illustrates the 2017 doctoral symposium student attendance.

2017	January	April	July	October
Total Students	164	175	163	162

Library

The CTU Library's fully digital collection consists of over 500,000,000 articles, 40,000 books, and hundreds of thousands of hours of video, all contained in approximately 50 subscription databases. Students have access to the collection via their classroom portal, 24 hours a day. The library director, six librarians, and support staff provide research assistance for students, faculty, and staff on each campus. Librarians conduct information literacy trainings specific to program, course, or assignment needs, in the classroom, in the online Learning Centers, and at special events such as the Doctoral Symposia.

Comparison showing library questions have decreased and database use has increased slightly while use of asynchronous library resources has climbed drastically.

Military

CTU supports the overall military voluntary education industry in a variety of ways. The university has personnel who serve on the Council of College and Military Educators (CCME) Board of Directors, attend state Advisory Councils on Military Education (ACME) conferences and base sponsored education fairs. In 2017, CTU supported and partnered with military affiliated organizations such as Enlisted Association of the National Guard of the United States (EANGUS) and Association of the United States Army (AUSA) as well as sponsored various outreach and fundraising events. Some of these events included: Colorado Springs Campus CTU Leadership Speakers Series with USAF Major Generals Jack Briggs and Nina Armagno, Buckley AFB Spouses' Denver South Campus visit, USAF Academy ESO Meet and Greet, the Colorado Springs Chamber Hail and Farewell, 64th National Security Forum, the Home Front Cares Veteran Cup Golf Tourney, Armed Forces Week Luncheon, Annual Yellow Ribbon Fund Golf Tournament, US Air Force Academy Change of Command, the Buckley AFB Spouse's Group Operation Ball Gown Collection and Donation and the Association of the US Army Conference.

In 2008, CTU created the Wounded Warrior Scholarship (renamed to Patriot Scholarship in 2017) in collaboration with the Yellow Ribbon Fund, Inc. to give back to those whose lives have been altered due to injury while serving in the United States Armed Forces. This scholarship is awarded annually to 50 eligible wounded service members, their spouses, dependents or their non-medical attendant or caregiver. Scholarship recipients receive a dedicated Student Success Coach, specially trained advisors to help support their academic journey, and have the option to pursue their degree either as an online or a campus-based student. As of December 31, 2017, CTU has awarded 500 of these scholarships, totaling over $8.5 million.

Student Led Organizations

CTU maintains a variety of co-curricular activities that support and enrich the students' educational experiences. These activities focus on student interests and industry relevance. CTU recognizes the challenge of offering co-curricular programming to a non-traditional student population, consisting of commuter students and many working adults. CTU hosts student organizations that offer opportunities for student service, program-relevant learning, and community involvement. During 2017, CTU had numerous active student clubs and organizations:

- Cinema Club
- Criminal Justice Club: Lambda Alpha Epsilon
- Doctoral Student Association National Society of Collegiate Scholars: Phi Beta Lambda
- IEEE (Institute of Electrical and Electronic Engineers)
- ISSA (Information Systems Security Association)
- Radar Magazine
- Student Senate
- Student Success Community Military and Veteran Resource Center Justice Community

The Student Senate at CTU represents the interests of students through governance and campus engagement:

- Annual Chili Cook-Off: Over the past four years, the Student Senate hosted a chili cook-off where the senate went head to head against all the clubs to see who has the best chili. It was also a fundraiser for the clubs.
- Meet and Greet Your New Student Senate: On August 9, 2017 the Student Senate catered a dinner for the students to meet their new Student Senators.
- Student Appreciation Weeks (AKA Free Coffee Week and Free Pizza Week): During start week the Student Senate, to welcome the students back to class, provided free coffee, tea, or cocoa. During finals week, all students received pizza and salad.
- Student Senate Classroom Contest: In the month of December, the Student Senate sponsored a Toys for Tots drive and challenged all the classrooms to bring in toys.
- Student Senate hosted a Holiday Party for students and an ugly sweater contest with prizes.

CTU Community Outreach

CTU is focused on opportunities to engage and support the communities surrounding our campuses. To that end, during 2017, there were a variety of activities CTU supported through varying levels of engagement and sponsorship:

- **Aurora Police Department Spouses Event- Event Sponsor**
  CTU sponsored and attended a community event for the Aurora Police Department spouses and provided information to those interested in learning more about CTU's programs.
- **Association Night**
  CTU provided an opportunity to students, alumni, staff, community and local associates to network and share information with professionals with common interests.
- **Business Development & Law Enforcement First Responders Grant (LEFR)**
  CTU held an open house for community members that would qualify for the LEFR grant to learn more about CTU.
- **Career Fair**
  CTU hosted local and national employers on campus to give student and alumni the opportunity to engage with employers and learn about professional opportunities.
- **Career Education Scholarship Fund (CESF) Golf Tournament**
  CTU hosted their first annual golf tournament to raise money for the CESF and support others with a scholarship to attend CTU.
- **Community Lunch & Dinner Sponsorships**
  CTU sponsored local chambers and non-profit organization meetings and promoted CTU as an educational institution.
- **Criminal Justice (CJ) Week- CJ Technology Panel and Industry Focused Meet and Greet Tables**
  CTU hosted Criminal Justice employers to discuss the industry with CTU students and alumni.
- **CTU hosted Aurora Defense Council Meeting**
  CTU partnered with industry professionals in the Department of Defense and Chambers of Commerce to discuss industry topics.
- **"CTU Presents" Leadership Speaker Series**
  Community leaders came to the CTU campus to talk about leadership, best practices and professional development opportunities.
- **Cyber Synergy at CTU Panel & Speakers**
  CTU hosted subject matter experts in Cyber and Technology fields to educate student and alumni on the industry.
- **Employer Spotlight Tables**
  CTU hosted Fast Enterprises for a spotlight table for student and alumni to stop by and learn more about the company and their employment opportunities.
- **FBI Internship Presentation**
  CTU hosted the FBI to share information with students on career and internship opportunities with the FBI.
- **PMI® Career Success Workshops**
  Career Services hosted the Project Management Institute to help students and alumni learn more about the importance of associations in their careers.
- **Switchbacks Sponsorship**
  CTU sponsored an outdoor booth to support networking for community leaders and business development initiatives.
- **Volunteer Fair**
  CTU hosted companies looking for volunteers to assist with students, alumni and the community to give back and gain professional experience.

Contact

Campus Locations:

Colorado Technical University – Denver South, 3151 S. Vaughn Way, Aurora, CO 80014

Colorado Technical University – Colorado Springs, 4435 North Chestnut Street, Colorado Springs, CO 80907

Colorado Springs Students:

Phone: 1-719-598-0200

Denver South Students:

Phone: 1-303-632-2300

Online Students:

Toll Free number: 1-866-813-1836 (including 24/7 Technical Support)

Administration

President	Andrew H. Hurst
Chief Academic Officer and Provost	Connie Johnson, Ed.D. cjohnson@coloradotech.edu

Vice Provost	Douglas Stein, Ph.D. dstein@coloradotech.edu
Vice Provost	Susan Malekpour, Ed.D. smalekpour@coloradotech.edu
Vice President University Strategy & Operations	Elise Baskel ebaskel@coloradotech.edu
Regional VP, Colorado Campuses & Executive Director of Military Affairs	Mark Seglem mseglem@coloradotech.edu
Vice President of Admissions	Keith Armstrong kearmstrong@coloradotech.edu
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Vice President of Financial Aid Operations	Jeff Busam jbusam@coloradotech.edu
Director, Financial Planning & Analysis	Erin Kraft ekraft@coloradotech.edu
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Glossary of Terms

While most institutions of higher education use 'commonly accepted' terminology and definitions, exceptions can occur. To that end, the definitions highlighted below reflect definitions used by CTU.

Academic Year – CTU defines its Academic Year as three quarters. Each quarter is comprised of two 5.5-week sessions or one 11-week session, depending on program and modality.

Award Year – The Department of Education defines July 1 through June 30 as the award year.

Accreditation – A quality assurance process of evaluating colleges and universities to ensure the maintenance of educational standards.

Accreditation (Regional) – The accreditation granted by one of seven regional accreditation agencies in the United States. CTU is regionally accredited by the Higher Learning Commission (HLC). Hlcommission.org.

Accreditation (Programmatic) – The accreditation granted by a third-party institution for specialized programs.

Assessment (Direct) – The measurement of student performance of identified learning outcomes. Examples of direct measures are tests, standardized exams, and capstone courses.

Assessment (Indirect) – The measurement of the opinions and perceptions surrounding the student learning experience. Examples of indirect measures are student and faculty surveys.

Certification – An official document attesting to a level of achievement in a particular knowledge area.

Co-Curricular – An activity at a college that is an extension of the formal learning experience.

Cohort – A group of students who entered a degree program together or have other similar characteristics.

Degree Category – There are four main categories of degrees for postsecondary students – associate, bachelor's, master's, and doctoral. These are also referenced as degree levels.

Degree Program – The courses and credits contained within a specific area of study.

Extra-Curricular – An activity at a college pursued in addition to the typical course of study. Examples include student groups and clubs.

Fiscal Year – CTU's 12-month period for budgeting, forecasting, and reporting is January 1-December 31.

Graduation Rate – The percent of all students entering college for the first time graduating within 150% of the normal time for the student's program.

Integrated Postsecondary Education Data System (IPEDS) – The Integrated Postsecondary Education Data System which consists of interrelated surveys conducted annually by the U.S. Department of Education's National Center for Education Statistics (NCES).

Licensure – The granting of a higher education institution to provide programs, concentrations, and courses of study toward student achievement of a degree.

Mission – A formal statement of the purpose of Colorado Technical University.

Physical Campus – Colorado Technical University has two physical campuses, located in Colorado Springs and Aurora, Colorado (Denver South).

Retention Rate – The percentage of students who continue their coursework through the year.

Symposium – A conference or meeting to discuss particular topics or subject areas. At CTU, this is part of the doctoral degree programs.

Virtual Campus – The Learning Platform used to deliver online courses at CTU.