EDUCATION + YOUR LIFE

Colorado State University
OnlinePlus

Contents

Colorado State University's record of success is long and storied. From its roots as a public land-grant university with an outreach and engagement mission, to its arrival as a Carnegie Research University with more than $300 million of annual research, Colorado State University has consistently produced technology and talent that advances knowledge, society, and economies.

By embracing the technology made feasible by personal electronics and the Internet, the great universities of the world can now seriously embrace the opportunity to deliver exceptional online education to further advance the quality of education and public access.

Our role as CSU OnlinePlus is to understand the needs of students who choose not to come to campus and match those needs to programs that help them accomplish their goals, all while working with our on-campus academic and administrative partners to deliver online educational experiences and services using the best technology, teaching methods, and content for each course.

Throughout our search for a new Associate Provost, we will continue to keep our students' needs and success at the forefront of our operations. They are the reason we exist, and their access to high-quality, cutting-edge education is our mission.

Jordan Fritts,
Interim Associate Provost

We're here for you

CSU OnlinePlus Staff

Programs

Agriculture, Food, and Animal Sciences

DEGREES

Agricultural Business – Bachelor of Science (Degree Completion)
Use economic theory as a framework to understand agricultural issues, devise solutions to economic and environmental problems, and predict the likely effects of government policies and regulations. [Online]

**Agricultural Extension Education –
Master of Agriculture in Agricultural Sciences or
Master of Agricultural Extension Education**
Learn skills and principles to become an effective educator in areas such as agriculture and natural resources, community development, environmental education, human development, natural resources, and range science. [Online]

Food Science and Nutrition, Dietetics Option – Master of Science
Learn to design and lead effective food and nutrition programs from expert faculty at eight institutions in this inter-institutional graduate program offered through the Great Plains Interactive Distance Education Alliance. [Online]

Integrated Resource Management – Master of Agriculture
Prepare to manage land, animal, and human resources to ensure long-term profitability and sustainability of farms, ranches, and rural communities. [Online]

CERTIFICATES/TRAINING

Developing a Safe Food Business – Professional Development Certificate
Discover the necessary food safety practices and regulations needed to start your food company, and get practical examples, useful tips, and resources to help you with your business endeavors. [Online]

Seed Technology – Undergraduate Training
Gain comprehensive training in seed analysis and prepare for certification exams required to work in private and commercial seed laboratories. [Online]

Art, Design, and Music

DEGREES

Music Education, Conducting – Master of Music
Designed for music educators, this extremely customizable online degree allows you to use your own school's orchestra, choir, or band as your conducting laboratory. [Online with Classroom Instruction]

Music Education, Kodály – Master of Music
Designed for elementary, secondary, and independent music educators interested in taking their teaching, conducting, and musicianship to new heights, this unique online program features on-campus participation in the annual Colorado Kodály Institute as an exclusive two-week residency each summer. [Online with Classroom Instruction]

Music Therapy – Master of Music
Expand your skills and knowledge to use music within a therapeutic relationship to address individuals' physical, psychological, cognitive, and social needs. [Online with Classroom Instruction]

CERTIFICATES/TRAINING

Dalcroze Summer Academy – Professional Development/Graduate Training
Learn a unique, exciting, and powerful form of music education at one of the nation's only Dalcroze-authorized training programs. Dalcroze Eurhythmics is a form of music education that teaches the relationship between movement and music. Credit and noncredit options are available. [Classroom Instruction]

Residential Interiors – Undergraduate Certificate
Learn principles of residential interiors and design to evaluate residential design, floor plans, furniture arrangements, circulation patterns, use of color, and lighting design. [Online]

Osher Lifelong Learning Institute

The Osher Lifelong Learning Institute at Colorado State University is a unique learning community for adults aged 50 and better. Osher offers the very best in continuing education with no prerequisites, no tests, no stress, and no degree requirements. Designed to challenge and inform, courses are small, engaging, interactive, and very affordable.

Business and Management

DEGREES

Computer Information Systems – Master of Science
Learn cutting-edge information technology, project management, and business systems to help meet the demands of this fast-paced and challenging industry. [Online]

Executive M.B.A. – Master of Business Administration
Emerging business leaders with substantive experience will learn to develop practical, innovative solutions and business strategies that can be applied immediately within your organization. [Classroom Instruction]

M.B.A. – Master of Business Administration
Develop and sharpen your professional and management skills with courses emphasizing entrepreneurship, leadership, and global business practices. [Online]

CERTIFICATES/TRAINING

Business Intelligence – Graduate Certificate
Bring value to your company with the ability to identify, analyze, and transform data for business optimization, forecasting, and other business objectives. [Online]

Computer Information Systems – Graduate Certificate
Learn about the strategic role of technology that will help you determine information needs for any company and the requirements for specific systems that support business processes. [Online]

Core Business Competencies – Undergraduate Certificate
Expand your career potential and gain a strong foundation in fundamental business practices, including accounting, finance, legal and ethical issues, management, and marketing. [Online]

Finance – Graduate Certificate
Gain a broader knowledge in corporate finance, international finance, and financial institutions and credit markets. [Online]

PMI® Exam Preparation Workshop – Professional Development Training
Receive expert advice from PMP®-certified instructors who will provide real-world examples, cover the key Project Management Body of Knowledge (PMBoK®) Guide knowledge areas, and provide study tips and tricks to help you pass the PMI exams. [Classroom Instruction]

Project Management Fundamentals – Professional Development Training
Understand the life cycle of a project and discover how to initiate, manage, control, and close your project with greater success, regardless of the size or complexity. [Classroom Instruction]

Project Management – Professional Development Certificate
Learn critical tools and techniques to work in a dynamic project management environment and run projects on time and under budget with standard, worldwide recognized processes, along with concepts to prepare for the PMI® exams. [Classroom Instruction or Online]

Computer Science and Technology

DEGREE

Computer Science – Master of Computer Science
Using physical and theoretical design principles, study the development and implementation of computer systems. [Online]

CERTIFICATES

Computer Systems and Security – Graduate Certificate
Advance your ability to design and build networked computer systems that are both robust and secure. [Online]

Embedded Systems – Graduate Certificate
This certificate program provides an introduction to embedded systems, including hardware design and software engineering principles. [Online]

Software Engineering – Graduate Certificate
Learn how to build high quality, reliable software from conceptualization through development, testing, and deployment. [Online]

Construction Management

CERTIFICATES

Construction Management – Professional Development Certificate
Prepare to be an effective construction manager with the skills and knowledge to coordinate and supervise the process from conceptual development through final construction. [Classroom Instruction]

Program Overview

Undergraduate Degrees

	Number of Credits Within Program	Delivery Method[1]
Agricultural Business, B.S.	60	Online
Fire and Emergency Services Administration, B.S.	60	Online
Human Development and Family Studies, B.S.	60	Online
Liberal Arts, B.A.	60	Online
Psychology, B.S.	60	Online

Graduate Degrees

	Number of Credits Within Program	Thesis, Dissertation, or Major Paper Required	Delivery Method[1]
Adult Education and Training, M.Ed. (thesis or professional paper)[2]	30	Yes	Online
Agricultural Extension Education, M.A.E.E.	36	No	Online
Agricultural Sciences, M.Agr. (thesis or professional paper)	30	Yes	Online
Applied Statistics, M.A.S.	31	No	Online
Biomedical Engineering, M.E. [2]	30	No	Online
Business Administration, M.B.A.	40	No	Online
Civil Engineering, M.E. [2], M.S.	30/32	No/Yes	Online
Computer Information Systems – M.S.B.A.	30	No	Online
Computer Science, M.C.S.	35	No	Online
Educational Leadership, Renewal, and Change, M.Ed. and Principal Licensure	33	Yes	Online/Loveland
Educational Leadership, Renewal, and Change, M.Ed. and Teacher Licensure	41	Yes	Online/Fort Collins
Electrical and Computer Engineering, M.E. [2]	30	No	Online
Engineering Management, M.E. [2]	30	No	Online
Executive M.B.A.	40	No	Denver
Food Science and Nutrition, Dietetics Option, M.S.	36	No	Online
Industrial/Organizational Psychology, M.A.I.O.P.	38	No	Online
Integrated Resource Management, M.Agr. [2]	33	No	Online
Higher Education Leadership, Ph.D. [2]	60	Yes	Online/Fort Collins
Mechanical Engineering, M.E. [2]	30	No	Online
Music Education, Kodály, M.M. [2]	30	No	Online/Fort Collins
Music Education, Conducting, M.M. [2]	30	No	Online/Fort Collins
Music Therapy, M.M. (thesis or non-thesis) [2]	30/32	Yes/No	Online/Fort Collins
Natural Sciences Education, M.N.S.E.	34	No	Online
Organizational Learning, Performance, and Change, M.Ed. [2]	33	Yes	Online
Organizational Learning, Performance, and Change, Ph.D. [2]	60	Yes	Denver
Social Work, M.S.W.	62	Yes	Online/Classroom
Student Affairs in Higher Education, M.S.	45	Yes	Online
Systems Engineering, M.E. [2]	30	No	Online
Systems Engineering, M.S. (thesis or independent study)	30	Yes/No	Online
Systems Engineering, Ph.D.	42 w/master's; 72 w/o	Yes	Online
Tourism Management, M.T.M.	30	No	Online

[1] In programs delivered "Online," instruction is delivered online, and courses may also use other supporting media and materials.
    Programs that are delivered via "Distance" may be delivered in a variety of ways, including DVDs, streaming video, and correspondence.
    A specific location indicates that frequent face-to-face instruction occurs at the location designated.

[2] Specializations within the degree program

Undergraduate Certificates of Completion/Training (for credit)

	Number of Credits Within Program	Delivery Method[1]
Core Business Competencies	15	Online
Fire And Emergency Services Administration	15	Online
Interior Design for High School Teachers	9	Online
Post-Baccalaureate Pre-Health Program	credits vary	Online
Residential Interiors	9	Online
Seed Technology Training	9	Online

Graduate Certificates of Completion/Training (for credit)

	Number of Credits Within Program	Delivery Method[1]
Adult Basic Education Authorization Training	9	Online
Advanced Science Instruction	9	Online
Annenberg Workshops for Teachers	credits vary	Distance
Applied Statistics	10	Online
Business Intelligence	9	Online
Computer Engineering	10-11	Online
Computer Information Systems	9	Online
Computer Systems and Security	12	Online
Dalcroze Summer Academy	3	Fort Collins
Data Analysis	10-11	Online
Embedded Systems	11-12	Online
Finance	4	Online
Mediation	9	Online/Loveland
Natural Resources and the Environment	12	Online
Organizational Development	9	Online
Organizational Learning and Performance	9	Online
Performance Management	9	Online
Postsecondary Teaching	9	Distance
Power and Energy Engineering	12	Online
Psychological Measurement and Methodologies	10-11	Online
Software Engineering	12	Online
Student Affairs in Higher Education	11	Online
Sustainable Military Lands Management	9	Online
Systems Engineering	12	Online
Teaching with Technology and Distance Learning	12	Online
Water Resources	10	Online
Workplace Learning and Performance	9	Online

Professional Development Certificates of Completion/Training (noncredit)

	Number of CEUs/PDUs Within Program	Delivery Method[1]
Construction Management	10	Denver
Dalcroze Summer Academy	noncredit	Fort Collins
Developing a Safe Food Business	16	Online
Occupational Ergonomics	6	Online
PMI® Exam Preparation Workshop	16	Denver
Project Management	vary	Denver, Loveland, or Online
Project Management Fundamentals	noncredit	Denver
Regulatory Affairs	6	Online/Fort Collins
PHR/SPHR Certification Preparation	3.9	Denver
Sustainable Community Development	8	Online
Veterinary Medicine Courses	CE credits vary	Online

Education

DEGREES

Adult Education and Training – Master of Education
Gain skills to administer and deliver a wide range of adult training and educational programs. [Online]

Educational Leadership, Renewal, and Change – Teacher or Principal Licensure and Master of Education
Prepare for teaching and leadership positions in education by developing strong pedagogical skills and a deeper understanding of learning theories. Classes held in various locations in northern Colorado. [Classroom and Online]

Higher Education Leadership – Doctor of Philosophy
Develop the expertise to successfully and ethically lead administrative areas in higher education institutions. [Online with Classroom Instruction]

Natural Sciences Education – Master of Natural Sciences Education
Expand your science knowledge, research skills, and instructional competency in teaching science at the middle or high school level. [Online]

Student Affairs in Higher Education – Master of Science
Learn from faculty who are both scholars and practitioners of student affairs and become equipped with the professional competencies needed to be successful in a wide range of settings on college and university campuses. [Online]

CERTIFICATES/TRAINING

Adult Basic Education Authorization – Graduate Training
This series, offered through CSU's School of Education, includes three of the four courses needed to fulfill the Adult Basic Education Authorization issued by the Colorado Department of Education. [Online]

Advanced Science Instruction – Graduate Certificate
Increase your science knowledge and teaching competency while gaining valuable credential that will help you in your teaching career. [Online]

Annenberg Workshops for Educators – Graduate Training
Increase your expertise, improve teaching methods, and strengthen your credentials with unparalleled, authoritative professional development. [Online]

Interior Design for High School Teachers – Undergraduate Certificate
Learn methods and strategies for teaching residential and industrial interior design at the high school level. [Online]

Postsecondary Teaching – Graduate Certificate
Enhance your ability to engage students, meet learning goals, and promote critical thinking. [Distance]

Student Affairs in Higher Education – Graduate Certificate
Build your skills to help college students realize their learning and development potential. [Online]

Teaching with Technology and Distance Learning – Graduate Certificate
Learn how to select, evaluate, and apply technology to improve teaching and learning. [Online]

Engineering

DEGREES

Biomedical Engineering – Master of Engineering
Learn about cutting-edge technologies from leading biomedical researchers. [Online]

Civil Engineering – Master of Engineering or Master of Science
Keep up with the skill sets needed to be effective in today's ever-changing industry with three focus areas, including Water Resources, Geospatial, and Structural Engineering. [Online]

Electrical and Computer Engineering – Master of Engineering
Make a bigger impact within your company with this degree's customizable curriculum that goes far beyond a textbook. Learn the skills you need to provide real world solutions for tomorrow's challenges. [Online]

Engineering Management – Master of Engineering
Gain the skills you need to advance your career with this degree that blends engineering processes with business elements to give you the perfect combination of management concepts and technical focus. [Online]

Mechanical Engineering – Master of Engineering
Prepare yourself to meet growing industry demand for educated mechanical engineers with this degree program that offers specialized areas of focus. [Online]

Systems Engineering – Master of Engineering, Master of Science, or Doctor of Philosophy
Get the skills you need to solve challenging engineering problems at a systems level in a wide variety of fields, including aerospace, energy, environment, natural resources, and bioscience/health. [Online]

CERTIFICATES

Computer Engineering – Graduate Certificate
Put yourself on the cutting-edge of computer system design and communication networking, one of the fastest growing fields in engineering, with this certificate program. [Online]

Embedded Systems – Graduate Certificate
Gain an introduction to embedded systems, including hardware design and software engineering principles. [Online]

Power and Energy Engineering– **Graduate Certificate**
Pursue promising career prospects as a leader in the growing power and energy engineering sector with an education designed to address the needs of the emerging smart-grid industry. [Online]

Regulatory Affairs – Professional Development Certificate
Gain a comprehensive understanding of the central elements of regulatory affairs, in this program comprised of three tracks including medical devices, in-vitro diagnostics (IVD), and tissue products; drug and biologics; and clinical trials management.
[Classroom Instruction or Online]

Systems Engineering – Graduate Certificate
Learn concepts in systems engineering, including risk analysis, project management, support systems, and engineering processes. [Online]

Fire and Emergency Services

DEGREE

Fire and Emergency Services Administration –
Bachelor of Science (Degree Completion)
Gain the skills needed to assume administrative, management, and leadership positions in a wide variety of fire protection, prevention, emergency medical, and emergency preparedness services. [Online]

CERTIFICATE

Fire and Emergency Services Administration –
Undergraduate Certificate
Learn the critical concepts and evolving requirements of emergency services to be an effective leader, manager, or administrator. [Online]

Liberal Arts

DEGREE

Liberal Arts – Bachelor of Arts (Degree Completion)
Learn effective writing, verbal communication, problem-solving, and analytical skills while exploring a variety of subjects that can be customized to meet your needs and goals. Degree minors are available in business administration, anthropology, economics, media studies, sociology, and political science. [Online]

Organizational Development and Human Resources

DEGREES

Organizational Learning, Performance, and Change –
Master of Education
Develop skills and principles of organizational management and change that build upon existing knowledge and work experience while networking with fellow working professionals. [Online]

Organizational Learning, Performance, and Change –
Doctor of Philosophy
Learn skills and competencies to improve organizational performance and effectiveness, enhance decision-making skills, and acquire advanced analysis and research expertise. [Classroom Instruction]

CERTIFICATES

Occupational Ergonomics – Professional Development Certificate
Study how to anticipate, recognize, evaluate, and control ergonomic risk. [Online]

Organizational Learning and Performance – Graduate Certificate
Discover how to deliver custom improvement interventions that make teams, processes, and organizations function more effectively. [Online]

PHR/SPHR Certification Preparation –
Professional Development Certificate
Get an exam review or broad-based refresh of current HR practices. [Online]

Workplace Learning and Performance – Graduate Certificate
Learn to effectively analyze, design, develop, implement, and evaluate programs intended to improve workplace learning and performance with this unique certificate program. [Online]

Psychology

DEGREE

Industrial/Organizational Psychology – Master of
Applied Industrial/Organizational Psychology
Learn to enhance performance and productivity for businesses and organizations by studying and improving employee behavior, motivation, and morale. [Online]

Psychology – Bachelor of Science (Degree Completion)
Discover the basic theories, principles, laws of behavior, and scientific methods used in psychological research through this Bachelor of Science that takes a unique approach to psychology. [Online]

CERTIFICATES

Organizational Development – Graduate Certificate
Learn concepts and practices related to systems and technologies that facilitate organizational change and enhance organizational effectiveness. [Online]

Performance Management – Graduate Certificate
Gain skills in systems and competency modeling that help manage personnel performance. [Online]

Psychological Measurement & Methodologies – Graduate Certificate
Learn to measure psychological attributes by analyzing organizational intervention data. [Online]

Social and Community Services

DEGREES

Human Development and Family Studies –
Bachelor of Science (Degree Completion)
Combine coursework and experience in individual and family development to increase your knowledge and professional skills. [Online]

Social Work – Master of Social Work
Gain the skills and abilities to integrate research into practice and prepare to work in countless areas of the social services sector in communities across the nation. [Classroom and Online]

CERTIFICATES

Sustainable Community Development –
Professional Development Certificate
Develop the practical skills and tools you need to meet today's challenges as a project director, community leader, grassroots activist, funder, or field worker in community-based organizations and governmental and nongovernmental organizations. [Online]

Mediation – Graduate Certificate
Develop skills and tools in communication, negotiation, problem-solving, and conflict resolution that can be transferred to a variety of fields. [Classroom and Online]

Statistics

DEGREE

Applied Statistics – Master of Applied Statistics
Dive into the practical application of statistics. Focused on statistical methods and computational skills, this curriculum enables you to start working immediately in industry, government, or academia. [Online]

CERTIFICATES

Applied Statistics – Graduate Certificate
Gain skills in the science of collection, organization, and statistical analysis of data, and learn to explain findings and lend discussions around their meaning. [Online]

Data Analysis – Graduate Certificate
Learn basic principles of probability and statistical theory to improve your statistical and data analysis skills using modern software. [Online]

Sustainability and the Environment

DEGREES

Tourism Management – Master of Tourism Management
Benefit from this curriculum that takes a holistic approach to the tourism industry with a heavy emphasis on triple bottom line business practices — including profits, people, and the planet. [Online]

CERTIFICATES

Natural Resources and the Environment – Graduate Certificate
Gain critical insights into the conservation and use of natural resources. [Online]

Sustainable Military Lands Management – Graduate Certificate
Learn the tools for conservation and sustainable management of natural and cultural resources on Department of Defense lands. [Online]

Water Resources – Graduate Certificate
Learn critical topics in water resources planning, management, and policy. [Online]

Veterinary Medicine

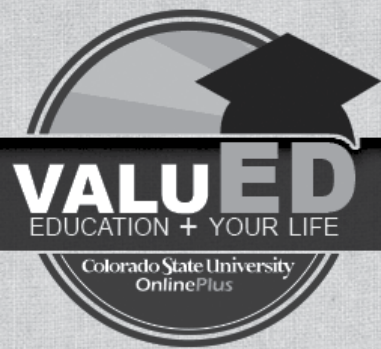## ADVANCED AND SPECIALIST TOPICS [Online]

- Comparative Anesthesiology
- Post Graduate Medicine I
- Post Graduate Medicine II
- Post Graduate Medicine III
- Post Graduate Medicine IV
- Physiology and Pathophysiology

GENERALIST TOPICS FOR CONTINUING EDUCATION CREDIT [Online]

- General courses
- Animal behavior
- Beyond clinical skills
- Poisonous plants
- Spanish for veterinarians
- Swine medicine

POST-BACCALAUREATE PRE-HEALTH PROGRAM

Fulfill the prerequisites you need and gain background knowledge to help you succeed. These courses are consistently recommended to meet admission requirements of medical, veterinary, dental, and nursing schools. [Online]

Follow our blog

ValuED is our new online magazine devoted to helping you take the next step toward your educational and career goals. Explore feature content focusing on important aspects related to achieving your ambitions and balancing your personal life on your path to success.

In our Value of Education section, you'll find highlights about the numerous advantages of earning an advanced education. While most people recognize that education is important, we help you discover what exactly that means for you. Learn how furthering your studies can benefit you financially, professionally, and personally.

The Online Education section features posts about the new direction that higher education is taking, and how online programs make it possible for people to return to school. Get advice on how to make the most of your online education and how to overcome the challenges it can pose.

Finally, in our Career Development section, you'll get expert advice about applying your education to career aspirations, changing careers, and moving up in your field. Learn how to keep up with changing work environments and evolving technology, and how to seize new opportunities that will improve your professional life.

Join in the conversation at:
blog.online.colostate.edu