DEPARTMENT OF COMMUNITY DEVELOPMENT AND APPLIED ECONOMICS

http://www.uvm.edu/cals/cdae

The challenges affecting our communities and world are complex, interconnected and ever changing, fueling the demand for professionals with a unique set of knowledge and skills. The Department of Community Development and Applied Economics (CDAE) uses economic, social, and environmental principles to identify community needs, analyze problems and advance sustainable solutions in partnership with organizations and communities.

THE CDAE MISSION

CDAE supports sustainable local and international community development through interdisciplinary research, education, and outreach that serves the public interest.

CDAE offers three innovative majors: Community Entrepreneurship, Community and International Development, and Public Communication. Students in CDAE focus on the application of economic principles and their relationship to leadership and management, economic and enterprise development, environmental sustainability, and social responsibility. CDAE offers many courses with experiential learning, including service-learning courses in which students partner with community organizations to work on real-world issues.

CDAE also offers seven minors: Community Entrepreneurship; Community and International Development; Public Communication; Applied Design; Consumer Affairs; Consumer and Advertising; and Green Building and Design. CDAE also participates in the College of Agriculture and Life Sciences interdepartmental Food Systems minor.

Expertise among the CDAE faculty includes economics (both ecological and neoclassical), ecological design and renewable energy, public policy, community entrepreneurship, consumer affairs, food systems, rural sociology, journalism, and communication. CDAE’s research and outreach is global (e.g., Peru, St. Lucia, Brazil) and local (e.g., social marketing, issues in dairy farming and the economic viability and successes of entrepreneurial activities in Vermont).

GENERAL REQUIREMENTS

Students majoring in any of the three majors within the department must complete the CDAE Core Curriculum, which includes the following courses:

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CDAE 002</td>
<td>D2:SU:World Food,Pop &amp; Develop</td>
<td>3</td>
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<tr>
<td>CDAE 250</td>
<td>Applied Research Methods</td>
<td>4</td>
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<tr>
<td>CDAE 001</td>
<td>Foundations:Communication Meth</td>
<td>3</td>
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<tr>
<td>or CALS 183</td>
<td>Communication Methods</td>
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<tr>
<td>CALS 002</td>
<td>Foundation:Information Tech</td>
<td>3</td>
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<tr>
<td>or CALS 085</td>
<td>Computer Applications</td>
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Two courses from the Humanities and Fine Arts

One 3-credit university-approved Sustainability Course

Two 3-credit university-approved Diversity courses

PCOM Majors Only - the following are also required:

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MATH 009</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>STAT 111</td>
<td>Elements of Statistics</td>
<td>3</td>
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CID and CENT Majors Only - the following are also required:

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<tr>
<th>Course</th>
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<tr>
<td>MATH 019</td>
<td>Fundamentals of Calculus I</td>
<td>3</td>
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<tr>
<td>STAT 141</td>
<td>Basic Statistical Methods</td>
<td>3</td>
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MAJORS

COMMUNITY DEVELOPMENT AND APPLIED ECONOMICS MAJORS

Community Entrepreneurship B.S.

Community and International Development B.S.

Public Communication B.S.

MINORS

COMMUNITY DEVELOPMENT AND APPLIED ECONOMICS MINORS

Applied Design

Community Entrepreneurship

Community and International Development

Consumer AffAIRS

Consumer and Advertising

Food Systems

Green Building and Community Design

Public Communication
Sports Management

GRADUATE
Community Development and Applied Economics M.S.
Public Administration A.M.P.
Public Administration M.P.A.
See the online Graduate Catalogue for more information

Courses
CDAE 001. Drafting and Design Drawing. 3 Credits.
Basic drafting methods and procedures of architectural, three-view, oblique, isometric, and perspective drawings. Creating freehand pictorial presentation drawings.

CDAE 002. D2:SU:World Food, Pop & Develop. 3 Credits.
Agricultural development emphasizing natural and economic phenomena and the effect of food supplies on population trends and policies.

CDAE 003. D2:Intr to Dev Carib & Cent Am. 3 Credits.
This interdisciplinary course introduces students to the culture, history, diversity, geography, and the impact of ethnicity, poverty, and oppression on development in the Caribbean and Central America.

CDAE 004. D1:US Food, Social Equity &Dev. 3 Credits.
Provides an introduction to gender, race, class, and ethnicity with particular emphasis on food, population, economic, and ecological issues in sustainable agriculture, food systems, and community development. The geographical focus emphasizes the United States.

CDAE 006. Energy Alternatives. 3 Credits.
Concepts of energy, work, and power. Energy conversion, utilization, and conservation. Alternatives to fossil fuels including solar, wind, biomass, etc. Energy systems for rural areas.

CDAE 014. Visual Design Studio. 1 Credit.
A computer based portfolio development class focused on learning the fundamentals of composition and standard graphic software to create a range of visual communication solutions. Prerequisite: Public Communication majors only.

CDAE 015. Visual Communication. 3 Credits.
Introduction and analysis of aesthetics and function of design in the context of communications and marketing, the built environment, and community development.

CDAE 016. Digital Illustration. 3 Credits.
Digital illustration introduces methods of conceptualizing and executing illustrations to solve communication problems, using a range of techniques within vector and raster-based software applications. Prerequisite: CDAE 015, ARTS 002, or permission.

CDAE 024. Fund of Public Communication. 3 Credits.
This course provides students with the foundation for understanding communication components, processes, contexts, and applications and introduces research and theory through critique and case study.

CDAE 030. Applied Design Studio: Wood. 0 or 3 Credits.
Common methods, processes, materials, and equipment employed in transforming wood into useful products. Includes green building principles.

CDAE 061. SU:Principles of Comm Dev. 3 Credits.
Introduction to principles of microeconomics and their application to food and agricultural markets, resource management, and community development.

CDAE 066. Comm Entrepren Planning Basics. 2 Credits.
Designed for non-community entrepreneurship major to learn details of writing a business plan, and associated procedures for new venture creation.

CDAE 091. Introductory Special Topics. 1-6 Credits.
See Schedule of Courses for specific titles.

CDAE 092. Food Systems Seminar I. 1 Credit.
For students in the the first year of the Food Systems major. Students will conduct a survey of the field exploring academic research in Food Systems.

CDAE 095. Special Topics. 1-18 Credits.
See Schedule of Courses for specific titles.

CDAE 096. Internship. 1-3 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Offered at department discretion.

CDAE 101. Computer Aided Drafting & Design. 1-3 Credits.
Using a computer to create, manipulate, and record drafting and design concepts, symbols, and conventions to prepare technical and/or presentation drawings. Prerequisite: CDAE 001 or Instructor permission.

CDAE 102. Sustainable Community Dev. 3 Credits.
Introduction to perspectives and methods used to develop healthy communities that are economically, socially, and environmentally sustainable with rural and urban, U.S. and international examples. Prerequisites: CDAE 061 or equivalent; CDAE majors/minors only; or Instructor permission.

CDAE 106. Renewable Energy Workshop. 4 Credits.
Students learn principles of small-scale renewable energy including solar, wind, hydro, biofuels, and efficiency, then engage in installation workshops in a developing country or Vermont. Pre/co-requisite: CDAE 006 or Instructor permission.

CDAE 108. Comparative Food Systems. 3 Credits.
Explores food production systems looking at social, economical, environmental dimensions; draws from multiple disciplines such as economics, sociology, agronomy, biology, geography, and history; critically explore scales of agriculture from very small-scale to very large. Prerequisite: CDAE 002, CDAE 004, or NFS 073. Cross-listed with: FS 102.

CDAE 117. History of Costume. 0 or 3 Credits.
See THE 041. Prerequisite: ARTH 006 or THE 001. Fall.
CDAE 118. Visual Presentation Techniques. 3 Credits.
Development of sketching, perspective drawing, graphic techniques, color rendering, and observation skills for community, landscape, and ecological design students. Final portfolio required. Prerequisite: One of the following: CDAE 015, CDAE 001, or permission.

CDAE 119. Event Planning for Athletics. 3 Credits.
Focuses on providing students basic knowledge and skills of event planning with real-life experiences. Topics covered include sponsorship, fundraising, marketing, promotions, branding, ticket operations, social media, event operations, and risk management in support of event production. Prerequisites: ENGS 001, CDAE 024, or Instructor permission.

CDAE 120. Strategic Writing for PCOM. 3 Credits.
Students learn to write standard messages and documents including e-mail, memos, letters to the editor, fundraising letters, news releases, brochures, and feature stories. Prerequisites: CDAE 024, ENGS 001, or ENGS 050; Public Communication majors/minors only.

CDAE 121. News Writing Across Media. 3 Credits.
Students learn to report and write news for print, online, and broadcast formats through practical application of media literacy skills and study of current events. Prerequisite: ENGS 001 or ENGS 050.

CDAE 122. Media-Policy-Action. 3 Credits.
Examines the connections between media, public policy, and policy outcomes. Provides hands-on learning (action) experiences in news reporting and policy-making through the lens of the Vermont Legislature and Vermont’s policy and media culture. Prerequisites: Any of the following: ENGS 001, ENGS 050, POLS 021, CDAE 002, CDAE 015, CDAE 024.

CDAE 123. Public Communication Media. 3 Credits.
Students gain insight into mass media and contemporary issues, social marketing with local Service Learning agency partners, social polling, and the interaction of media, governance, law, and ethics. Prerequisite: CDAE 024.

CDAE 124. Consumer, Markets & Public Policy. 3 Credits.
Analysis of consumer choices through the examination of consumer behavior theories, current marketplace issues and public policy. Prerequisite: One of the following: CDAE 024, CDAE 015, ENGS 001, ENGS 050, or permission.

CDAE 125. The Consumer & Advertising. 3 Credits.
Examination of advertising strategy and how it impacts consumers and the economy. Extensive application of critical analysis to actual advertising campaigns from development through evaluation. Prerequisites: CDAE 024; minimum Junior standing.

CDAE 126. Communication Law. 3 Credits.
Legal issues in mass media, including: freedom of speech, libel, invasion of privacy, obscenity and indecency, copyright and trademark. Prerequisite: CDAE 024.

CDAE 127. Consumer, Markets & Public Policy. 3 Credits.
Law as an expression of public policy to protect consumers in the marketplace. Emphasis on laws prohibiting deceptive advertising and marketing practices. Prerequisites: ENGS 001, ENGS 057, CDAE 024, or CDAE 061; Sophomore standing.

CDAE 128. Consumer, Markets & Public Policy. 3 Credits.
An examination of personal and family financial management concepts and topics within various income levels and stages in the life cycle. Prerequisite: CALS 002 or CALS 085 or equivalent. Fall.

CDAE 129. Consumer Assistance Program. 3-6 Credits.
Jointly sponsored by UVM and Vermont Attorney General. Under supervision of an attorney, students respond to phone and mail requests for consumer information and handle consumer complaints. Prerequisite: CDAE 157 or Instructor permission.

CDAE 130. Communication Law. 3 Credits.
Marketing concepts and methods and their applications for community entrepreneurs. Focus on development of marketing plan and its use in guiding business operations. Prerequisite: CDAE 061 or permission.

CDAE 131. Appl Des Studio: Lt Frame Bldg. 3 Credits.
Site planning, building planning, material selection. Functional and structural considerations including heating, ventilating, and insulation. Consideration of environmental relationships. Prerequisite: MATH 009 or higher.

CDAE 132. Landscape Design Fundamentals. 4 Credits.
Studio course to learn techniques of landscape design and analysis, develop graphic communication skills for representing the landscape, and apply sustainable design principles to a site. Pre/co-requisites: Junior standing; at least one course in drawing, design, or mapping, or permission of the Instructor. Cross-listed with: PSS 137, ENVS 137, NR 137.

CDAE 133. Propaganda, Media, & Cit Respn. 3 Credits.
Develops critical thinking skills about news media. Studies propaganda, media ownership, and the use of print media, radio, television, and the internet, to influence the public through various propaganda techniques from 1900 to present. Prerequisite: CDAE 015 or CDAE 024 or Instructor permission.

CDAE 134. Consumer Assistance Program. 3-6 Credits.
An examination of personal and family financial management concepts and topics within various income levels and stages in the life cycle. Prerequisite: CALS 002 or CALS 085 or equivalent. Fall.

CDAE 135. Consumer Assistance Program. 3-6 Credits.
Jointly sponsored by UVM and Vermont Attorney General. Under supervision of an attorney, students respond to phone and mail requests for consumer information and handle consumer complaints. Prerequisite: CDAE 157 or Instructor permission.

CDAE 136. Intro to Comm Entrepreneurship. 3 Credits.
Introduction to the theory and practice of developing and operating an entrepreneurial activity based on specific business. Emphasis on business development, operation, financing, marketing, and social responsibility. Prerequisites: One of the following: CDAE 002, CDAE 061, or permission.

CDAE 137. Comm Entrepreneurship. 0 or 4 Credits.
Understanding and creating business and personal financial records for entrepreneurs including applications common to entrepreneurial business practices using contemporary financial software. Prerequisite: CDAE 166 or Instructor permission; must take lab.

CDAE 138. SU:Marketing:Com Entrepreneurs. 3 Credits.
Marketing concepts and methods and their applications for community entrepreneurs. Focus on development of marketing plan and its use in guiding business operations. Prerequisite: CDAE 061 or permission.
CDAE 169. Data Management & Analysis. 3 Credits.
Using technology to accomplish tasks specific to entrepreneurs. May include spreadsheets, databases, presentations, mapping, markets, WWW, and project management. Prerequisite: CDAE 085 or CS 002.

CDAE 170. Solar Strategies Bldg Constrct. 3 Credits.
Passive, active, and hybrid heating; photovoltaic electric systems. Physical principles, site evaluation, component and system analysis, materials selection, and design of low-cost systems. Prerequisites: MATH 010 and CDAE 001.

CDAE 171. Community&Int'l Econ Transform. 3 Credits.
Models of economic development, including constraints to economic transformation and policy approaches and strategies for promoting social welfare and sustainable development. Prerequisites: CDAE 002; Instructor permission required.

CDAE 173. Evolving Trends in Int'l Devel. 3 Credits.
Examines how donor countries have approached international development since World War II. Includes focus on a range of issues including health, agriculture, conflict resolution, democracy and governance, shifting terms of trade and globalization’s effects on international development. Prerequisite: CDAE 002 or POLS 021 or POLS 041 or POLS 051 or POLS 071 or ENVS 002.

CDAE 174. Global Media & Intl Developmen. 3 Credits.
Focuses on an understanding of global communication issues related to international development. Examines different aspects of global communication, such as world press systems, codes of ethics, new world information and communication order, cultural imperialism and public diplomacy. Prerequisite: CDAE 002, CDAE 024, CDAE 061, ENVS 002, or SOC 043.

CDAE 175. Farm Credit Fellowship Prac/Sem. 1 Credit.
Acquaints students who have a strong interest in farm management and farm finance with financial intermediaries serving agriculture. Prerequisite: CDAE 167.

CDAE 178. Socially Responsible Marketing. 3 Credits.
Addresses communication with the public to build stronger, healthier, safer communities. Students use public communication skills to craft messages for a defined audience and consider how public/private entrepreneurs/organizations can help solve societal problems, particularly related to college-aged audiences.

CDAE 186. Sustain Dev Sm Island States. 4 Credits.
This course is a general introduction to problems of sustainable development on small island developing states utilizing a case study of St. Lucia, West Indies. Prerequisites: CDAE 002 or CDAE 061; Instructor permission.

CDAE 191. Independent Study. 1-18 Credits.
A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion. Prerequisite: Instructor permission.

CDAE 192. Food Systems Seminar II. 1 Credit.
For students in the second year of the Food Systems major. Refines the ability to critically address academic research in the field. Prerequisite: CDAE 092 or Sophomore standing.

CDAE 194. Teaching Assistantship. 1-3 Credits.
Undergraduate student service as a teaching assistant, usually in an introductory-level course in the discipline, for which credit is awarded. Offered at department discretion.

CDAE 195. Special Topics. 1-18 Credits.
Lectures or readings on contemporary issues in Community Development and Applied Economics. Enrollment may be more than once, up to twelve hours.

CDAE 196. Internship. 1-15 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty the instructor of record, for which academic credit is awarded. Total credit toward graduation in CDAE 196 and CDAE 296 cannot exceed fifteen hours. Offered at department discretion. Prerequisite: Instructor permission.

CDAE 198. Undergraduate Research. 1-18 Credits.
Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion.

CDAE 205. Rural Comm in Modern Society. 3 Credits.
The changing structure and dynamics of rural social organization in context of modernization and urbanization. Emphasis on rural communities in the U.S. Prerequisite: Six hours of Sociology.

CDAE 207. Markets, Food & Consumers. 3 Credits.
Learn how producers, processors, wholesalers, cooperatives, retailers, consumers, and governments affect the movement of food and fiber products through the production-marketing chain. Prerequisite: CDAE 061 or equivalent.

CDAE 208. Agricultural Policy and Ethics. 3 Credits.
An examination of American agriculture and policies from various perspectives - historical, political, ecological, technological, social, economic, and ethical. Emphasis on contemporary issues, policy options, and future development. Prerequisites: CDAE 102 or equivalent.

CDAE 218. Community Org & Development. 3 Credits.
The roles of forms of community capital, civic engagement, leadership, social and political institutions, and communities of place and interest in a community development context. Pre/co-requisites: Junior standing; CDAE 102 or Instructor permission.

CDAE 224. Public Communication Capstone. 3 Credits.
Students work with non-profit and municipal community partners to develop professional level communications strategies and materials. Students complete their professional public communication portfolios and resumes. Prerequisites: Senior standing; CDAE 024, CDAE 015, and CDAE 121 or CDAE 120.
CDAE 231. Applied Computer Graphics. 3 Credits.
Directed research, planning, design, technical experimentation, production, and evaluation for computer-generated design application. Prerequisite: CDAE 015 or Instructor permission.

CDAE 237. Economics of Sustainability. 3 Credits.
Economic analysis that integrates natural resource and community planning for sustainable development at local, national, and international levels. Examples include land use, sustainable agriculture, and green business. Prerequisites: CDAE 102 or Instructor permission.

CDAE 238. Ecological Landscape Design. 4 Credits.
Studio course synthesizing work from fields of landscape ecology and landscape design, exploring ecological design alternatives at multiple scales, and developing multifunctional landscape solutions. Pre/co-requisites: PSS 137 or one course in ecology plus one course in design or drawing; minimum Junior standing. Cross-listed with: PSS 238, ENV 238, NR 238.

CDAE 250. Applied Research Methods. 0 or 4 Credits.
Methods used in the collection and analysis of qualitative and quantitative data. Critical review of literature, and data collection, analysis, and interpretation for descriptive, inferential, and evaluation research. Prerequisites: One of the following: STAT 141, STAT 111, or equivalent course. Must register for CDAE 250 lab.

CDAE 251. Contemp Policy Iss:Comm Dev. 3 Credits.
In-depth study of sustainable development policy issues, with emphasis on understanding systematic interactions among economic development, biodiversity conservation, climate change, energy, food and watershed planning. Prerequisites: One of the following: CDAE 102, CDAE 171, CDAE 186, or equivalent course.

CDAE 253. Macroeconomics for Appl Econ. 3 Credits.
Explore macroeconomic principles and concepts as they affect individuals and businesses in local, regional, national, and global economics. Prerequisites: CDAE 102 or equivalent.

CDAE 254. Microeconomics for Appl Econ. 3 Credits.
The study of economic choices of individuals and firms, and the analysis of competitive and noncompetitive markets. Emphasis on application of intermediate microeconomic theory. Prerequisites: CDAE 102 or equivalent.

CDAE 255. Applied Consumption Economics. 3 Credits.
Analysis and application of micro-economic principles as they relate to consumers, including consumption and saving, investments in human capital, market work, household production, and leisure choices. Prerequisites: CDAE 102 or equivalent.

CDAE 258. Consumer Policy:Iss & Analysis. 3 Credits.
Examination and analysis of contemporary issues underlying a variety of consumer policies such as health care, income inequality, and consumer protection. Prerequisites: CDAE 254 or Instructor permission; POLS 021 or similar course. Spring.

CDAE 259. Consumer Assistance Program II. 3 Credits.
A practicum providing further experience working as a consumer advocate in the CAP office. Builds on experience with consumer complaints and inquiries gained in CDAE 159. Prerequisites: CDAE 159 and Instructor permission.

CDAE 266. Dec Making:Comm Entrepreneurs. 3 Credits.
Quantitative decision-making methods and applications for community entrepreneurs. Major topics include linear programming, risk and uncertainty, inventory decisions, and e-commerce. Prerequisites: CDAE 166, MATH 019, and CALS 085 or CS 002.

CDAE 267. Strat Plan:Comm Entrepreneurs. 4 Credits.
Applications of marketing, finance, and management strategies. Drafting a real working business plan for community entrepreneurs and economic development. Prerequisites: One of the following: CDAE 166, CDAE 167, CDAE 168, or equivalent course; Senior standing only.

CDAE 272. Int'l Economic Development. 3 Credits.
International trade, finance, investment, and development theories and policies for community development. Prerequisite: CDAE 102 or equivalent. Co-requisite: CDAE 273.

CDAE 273. Project Development & Planning. 3 Credits.
National, community, and private sector project development. Focus on planning methods and policy instruments, sectoral linkages, and contributions to the economy as a whole. Pre/co-requisites: CDAE 102 or Instructor permission.

CDAE 276. Community Design Studio. 3 Credits.
Problem-based community design studio course with research on existing conditions, needs assessment, sense of place, and development of sustainable and integrative design solutions and processes. Prerequisites: CDAE 015, CDAE 001, or equivalent.

CDAE 286. Adv Sust Dev Sm Island States. 4 Credits.
This course is an advanced course in problems of sustainable development on small island developing states utilizing a case study of St. Lucia, West Indies. Prerequisites: CDAE 186 and Instructor permission required.

CDAE 287. Spatial Analysis. 3 Credits.

CDAE 291. Independent Study. 1-18 Credits.
A course which is tailored to fit the interests of a specific student, which occurs outside the traditional classroom/laboratory setting under the supervision of a faculty member, for which credit is awarded. Offered at department discretion. Prerequisite: Department permission.

CDAE 292. Seminar. 1-3 Credits.
Reports, discussions, and investigations in selected fields. May enroll more than once up to six hours.

CDAE 294. Teaching Assistantship. 1-3 Credits.
A practicum providing further experience working as a consumer advocate in the CAP office. Builds on experience with consumer complaints and inquiries gained in CDAE 159. Prerequisites: CDAE 159 and Instructor permission.
CDAE 295. Special Topics. 1-18 Credits.
Lectures or readings on contemporary issues in Community Development and Applied Economics. Enrollment may be more than once, up to twelve hours.

CDAE 296. Internship. 1-15 Credits.
On-site supervised work experience combined with a structured academic learning plan directed by a faculty member or a faculty-staff team in which a faculty member is the instructor of record, for which academic credit is awarded. Total credit toward graduation in CDAE 196 and CDAE 296 cannot exceed 15 credits. Offered at department discretion.

CDAE 298. Undergraduate Research. 1-18 Credits.
Undergraduate student work on individual or small team research projects under the supervision of a faculty member, for which credit is awarded. Offered at department discretion. Prerequisite: Senior standing.