

UC DAVIS INFORMATION TECHNOLOGY STRATEGIC PLAN

<http://itstrategicplan.ucdavis.edu>

The table below identifies information technology strategies in support of campus strategies and goals (as outlined in the **UC Davis Strategic Plan**). Also included are major indicators of achievement for each of the IT strategies.

CAMPUS STRATEGIES/ GOALS	IT STRATEGIES	INDICATORS OF ACHIEVEMENT
<p>I. Strategy: Recruit, develop and retain a distinguished and diverse faculty and staff to increase national and international distinction and leadership in learning, discovery and engagement</p> <p>Indicators of achievement: <i>Provision of tools to faculty and staff that streamline administrative processes and allow for more support to the core mission of teaching, research and public service</i></p>	<ol style="list-style-type: none"> 1. Improve efficiency and cost effectiveness of University business processes through the application of information technology 2. Improve access to, and consistency of, information technology-based institutional data 3. Improve the campus' Web presence 	<ul style="list-style-type: none"> • Re-engineering of business processes • Availability of Web-based tools to faculty and staff to simplify administrative processes (e.g., academic personnel, research proposals and grants, procurement, human resources, document management, etc.) • Existence of a central coordinated framework for institutional data • Improved data sharing between information systems • Availability of campus data warehouse • Availability of decision support and reporting tools • Existence of tools to facilitate the creation, publication, and maintenance of official Web content (e.g., templates, Web content management system) • Availability of training and support resources for Web development
<p>II. Strategy: Provide the physical facilities, information resources and technology infrastructure necessary to achieve national and international distinction and leadership in learning, discovery and engagement.</p> <p>Indicators of achievement: <i>Enhancement of information and educational technology infrastructure, access and training; Expansion of availability and accessibility to computing resources for faculty, students and staff</i></p>	<ol style="list-style-type: none"> 1. Develop a robust and reliable middleware infrastructure 2. Enhance access to, and coordination among, campus information systems 3. Develop a robust and reliable security infrastructure 4. Enrich and extend the telecommunications 	<ul style="list-style-type: none"> • Availability of: <ul style="list-style-type: none"> • Multi-factor authentication • Person registry services and identity management • Enterprise directory services • Workflow infrastructure • Improved access to campus information systems for faculty, staff, and students (e.g., PPS, SIS, etc.) • Integration of legacy systems with campus middleware • Ongoing development of MyUCDavis • Protection of privacy & integrity of data • Availability of: <ul style="list-style-type: none"> • Secure authentication • Security self-assessment • Intrusion detection system • Incident response program • Regular, centralized port scanning • Centralized distribution of security patches • Virus detection and spam filtering programs • Improved campus security practices • Availability of: <ul style="list-style-type: none"> • Telecommunications planning

	<p>infrastructure</p> <p>5. Enhance information technology account services</p> <p>6. Continue to provide campus support services</p>	<p>framework</p> <ul style="list-style-type: none"> Upgraded infrastructure/building wiring to enhance networking Coordinated use and maintenance of dark fiber connections between UCD and UCDCM Enhanced wireless networking infrastructure Availability of: <ul style="list-style-type: none"> Basic account and email services with secure login Enterprise support for calendaring, guest accounts, etc. Availability of: <ul style="list-style-type: none"> Technology support services Staff technical training Educational Technology (ET) Support Program Software licensing and distribution
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<p>III. Learning: Ensure that the campus maintains and develops high-caliber courses, curricula and academic programs</p> <p><i>Indicators of achievement: Evidence of educational effectiveness, including results from the periodic assessment of instructional programs in relation to program and campus educational objectives for students</i></p>	<p>1. Provide students with enhanced learning opportunities</p> <p>2. Support faculty adoption and use of educational technology</p> <p>3. Help faculty use time effectively</p>	<ul style="list-style-type: none"> Availability of: <ul style="list-style-type: none"> Web-enabled instructional material and supporting course management tools Hybrid and online courses Technology-enabled simulations IT literacy assessment strategies (for students) Student training and assessment mechanisms Availability of: <ul style="list-style-type: none"> Education and training programs Local educational technology support Educational Technology (ET) Support Program Innovation in Teaching Program Classroom technology infrastructure (equipment, networking, etc.) Computer classrooms Learning/course management tools Intellectual property office Network access Collaboration tools Reduction in time spent on administration of classes Ability for faculty to <ul style="list-style-type: none"> Re-use research in teaching Share educational resources Support for email management

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<p>IV. Discovery: Strengthen research at all levels by facilitating the application for and management of grants of all sizes across all disciplines</p> <p><i>Indicators of achievement: Responsiveness to user feedback surveys and improvement in areas where needed (e.g., rapid internal processing of proposals, proactive search for and timely dissemination of information about funding opportunities, improved responsiveness to limited submission funding opportunities)</i></p>	<ol style="list-style-type: none"> 1. Provide an enterprise-wide research administration system 2. Strengthen the technological research support infrastructure 3. Enhance the library's technological infrastructure 	<ul style="list-style-type: none"> Facilitation of: <ul style="list-style-type: none"> Budget development Electronic submission Online, simultaneous collaboration Streamlined and automated reporting Grant management Development of standards-based, online services Availability of: <ul style="list-style-type: none"> Enhanced data networks (e.g., local, metropolitan, state-wide, national, global) Collaborative tools (e.g., video, audio, etc.) Computational support (e.g., grid computing) Updated laboratories and equipment Simplified administrative research processes Simplified access to software licenses and custom software packages Expansion of the library's digital technology capabilities (e.g., provision of online services) Increase in library offerings (e.g., through the California Digital Library) Enhanced dissemination of UC Davis research results

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<p>V. Engagement: Contribute to the solution of society's most pressing problems locally and around the globe through disciplinary and interdisciplinary research, life-long education and community partnerships</p> <p><i>Indicators of achievement: Increase in level and quality of research and educational activities devoted to addressing key societal issues and improving quality of life (e.g., food and nutrition, human and animal health, environmental stewardship, K-12 education, historical, artistic and cultural awareness, community and economic development and national security)</i></p>	<ol style="list-style-type: none"> 1. Support University K-12 education programs with appropriate technologies 2. Support University Outreach and Public Service programs with appropriate technologies 	<ul style="list-style-type: none"> Availability of Web-accessible instruction to enhance high-school feeder groups (e.g., AP Spanish) Improved campus Web presence University Extension offerings Distance education offerings