

# IRVINE CAMPUS (page 39)

## 2019-20 and 2020-21 Project Summaries

### Capital Need with Funding

Project	Sources	Current Term Budget	Project Summary
<b>EDUCATION AND GENERAL PROJECTS</b>			
Biological Sciences Greenhouse Replacement	CF	18,100	<ul style="list-style-type: none"> <li>Constructs 12,000 ASF/15,000 GSF to replace existing greenhouse facility to support newer biological sciences technologies.</li> <li>Supports campus goal to renovate or replace obsolete facilities.</li> <li>Consistent with the goals of the UCI Climate Action Plan this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>
Campus Office Building	EF	100,000	<ul style="list-style-type: none"> <li>Provides 70,000 ASF/123,000 GSF academic and administrative office building to accommodate staff currently housed in off-campus leased space.</li> <li>Campus currently leases over 180,000 rentable square feet for administrative units in order to provide space in the central core of the campus to accommodate growth in the academic units.</li> <li>Consistent with the goals of the UCI Climate Action Plan, this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>
Capital Renewal and Infrastructure Improvements Program Phase 5	EF	15,800	<ul style="list-style-type: none"> <li>Addresses the campus's highest priority capital renewal projects in State- supportable facilities in multiple campus locations.</li> <li>Includes selective renewal or replacement of campus utility infrastructure, building systems, equipment, roofs, walls, and windows. Installs potable water mains, valves, and meters to support fire flow requirements, which have increased due to campus construction.</li> <li>Supports campus goal to upgrade and expand infrastructure to support current and planned development.</li> </ul>
Engineering Student Innovation Factory	GF, EF	60,000	<ul style="list-style-type: none"> <li>Provides 70,000 ASF/113,000 GSF of laboratory and office space in the Engineering/Computer Science quadrant of the campus.</li> <li>Provides approximately 40,000 ASF of open-access, light fabrication laboratory space for Engineering undergraduate students to design, build, and test required individual and team projects. Existing laboratories are overcrowded, and as a result, students have spread out into areas not meant for this type of activity.</li> <li>Provides approximately 30,000 ASF of academic or administrative office space to help meet demand related to enrollment and program growth, and to potentially provide space for units currently housed in off-campus leased space.</li> <li>Supports campus goal to provide new facilities in support of instruction and research.</li> <li>Consistent with the goals of the UCI Climate Action Plan, this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>
Facilities Management/Campus Services Relocation	EF	100,000	<ul style="list-style-type: none"> <li>Relocates and replaces over 100,000 ASF of space at UCI's North Campus, much of which is dilapidated space built in 1965 as staging space for construction of the main campus.</li> <li>Estimated 84,000 ASF/102,000 GSF</li> <li>Allows for North Campus Redevelopment project by relocating Facilities Management and other campus support services.</li> <li>Supports campus goal to renovate or replace obsolete facilities.</li> <li>Will meet minimum of LEED™ Gold, with a bid alternate for Platinum, and consistent with the goals of the UCI Climate Action Plan, this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>

Project	Sources	Current Term Budget	Project Summary
Institute & Museum for California Art	GF	100,000	<ul style="list-style-type: none"> <li>• Constructs 38,000 ASF/60,000 GSF for an art museum to house UCI's Institute &amp; Museum for California Art.</li> <li>• Provides gallery space and associated support space and administrative office and support space to provide a showcase for UCI's art collection, as well as a center for scholarly discourse and study of California art.</li> <li>• Supports campus goal to provide support facilities to accommodate all aspects of campus life.</li> <li>• Consistent with the goals of the UCI Climate Action Plan this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil fuel-based energy with low-carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> <li>• Project will move forward when sufficient gift funding has been raised.</li> </ul>
Office Property Acquisition	CF	12,200	<ul style="list-style-type: none"> <li>• Purchase of property near UCI's North Campus to provide additional office space. Includes existing one-story office-type structure totaling approximately 25,000 GSF.</li> <li>• In the short term, existing structure may be used as staging space for redevelopment of the North Campus.</li> <li>• Future renovation or demolition of existing structures and construction of higher density office space would be proposed as a separate project.</li> </ul>
Property Acquisition for Corporation Yard	CF	20,000	<ul style="list-style-type: none"> <li>• Purchase of property to accommodate UCI corporation yard.</li> <li>• Redevelopment of the North Campus necessitates relocation of existing yard</li> </ul>
Student Excellence Center	CF	11,000	<ul style="list-style-type: none"> <li>• Renovates approximately 41,000 ASF to create a Student Excellence Center and expand study space in the Science Library.</li> <li>• Centralizes key undergraduate services, including the Campuswide Honors Program, the Undergraduate Research Opportunities Program, the Scholarship Opportunities Program, and the Blum Center for Poverty Alleviation, in close partnership with library services. Creates a space that will be beneficial for student recruitment, retention, and academic success.</li> <li>• Modernizes the Library's Grand Reading Room to provide more open study and seating areas and to accommodate student electronic devices, and renovates space on the 5<sup>th</sup> floor to provide expanded study areas for students and classroom-style space for use by the Libraries' Data Literacy Center.</li> <li>• Supports campus goal to provide facilities to accommodate all aspects of campus life. Consistent with the goals of the UCI Climate Action Plan this renovation will outperform the California Building Code by 20 percent.</li> </ul>
Student Success Building	SG, GF, CF	69,606	<ul style="list-style-type: none"> <li>• Constructs 53,500 ASF/86,300 GSF to address the need for space for additional student support functions.</li> <li>• Provides space for functions such as disability services, career center, counseling center, health education, and student support.</li> <li>• Creates campus resources that enable students to successfully achieve their academic goals and promote lifelong wellness. Supports campus goal to provide facilities to accommodate all aspects of campus life.</li> <li>• Will meet minimum of LEED™ Gold, with a bid alternate for Platinum, and consistent with the goals of the UCI Climate Action Plan this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil fuel based energy with low carbon energy.</li> </ul>
Capital Projects \$1M to \$5M (E&G)	CF	90,000	<ul style="list-style-type: none"> <li>• Includes utility and infrastructure improvements, technology upgrades, renovations of classrooms, laboratories, and administrative, and performance facilities. Funding is for 2019-20 through 2024-25.</li> </ul>
<b>AUXILIARY PROJECTS</b>			
ARC Field Expansion	AR, GF	8,000	<ul style="list-style-type: none"> <li>• Constructs ten acres of turf fields with bleachers, lights and a restroom building to support various club sports. May also include the construction of a short golf course facility or an additional practice field.</li> <li>• Addresses the need for expansion and improvement of athletics facilities.</li> <li>• Project will move forward when sufficient gift funding has been raised.</li> </ul>
Athletics Facilities Improvements	GF	52,000	<ul style="list-style-type: none"> <li>• Renovates 45,000 ASF/60,000 GSF of Crawford Hall athletics building to reconfigure Carlos Prietto Sports Medicine room, reconfigure Crawford stage and balcony, and add air conditioning to the building.</li> <li>• Expands Cicerone Field at Anteater Ballpark by providing a press box and concession building, enlarging spectator seating, and creating an identifiable ticket terrace entrance.</li> <li>• Creates a shade structure over the spectator stands at the Aquatics Stadium, creates a separate, identifiable entry, and a new restroom/ticketing area.</li> <li>• Renovates Anteater Stadium, including spectator seating, restrooms, team locker rooms, meeting rooms, and concession areas</li> </ul>

Project	Sources	Current Term Budget	Project Summary
			<ul style="list-style-type: none"> <li>Reconfigures Vista Field and surrounding unimproved areas to create an artificial-turf training facility.</li> <li>Addresses need for expansion and improvement of athletics facilities, and consistent with the University of California Policy on Sustainable Practices, the Crawford Hall renovation will achieve a LEED™-ID+C Certified rating and register with the utility's Savings by Design program.</li> <li>Project will move forward when sufficient gift funding has been raised.</li> </ul>
East Campus Apartments Phase 4B	P3	116,000	<ul style="list-style-type: none"> <li>Constructs apartments on the East Campus with 900 - 1,000 beds to house approximately 900-1,000 students. ASF/GSF TBD.</li> <li>Addresses projected demand as a result of enrollment growth, making progress toward Long Range Development Plan goal of housing 60percent of total campus enrollment on campus, and meeting the requirements of the President's Housing Initiative. Supports campus goal to provide support facilities to accommodate all aspects of campus life.</li> <li>Delivered as a public-private partnership project. P3 projects are not subject to the UCI Climate Action Plan, but this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy.</li> </ul>
Health Sciences Parking Deck	EF	25,000	<ul style="list-style-type: none"> <li>Constructs a 500-to 800-space, 200,000 to 3000,000 GSF parking deck in the Health Sciences district of the campus.</li> <li>Addresses the growing demand for parking in this developing area.</li> <li>Consistent with the goals of the UCI Climate Action Plan this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>
Las Lomas Redevelopment	P3	TBD	<ul style="list-style-type: none"> <li>Ground leases approximately 12-13 acres of campus land to the Irvine Campus Housing Authority for redevelopment as for-sale housing.</li> <li>Demolishes 100 apartments units built in 1982 and constructs approximately 115 single-family homes in University Hills, UIC's academic community-in-residence</li> <li>Addresses increasing demand for faculty/staff housing on campus.</li> </ul>
Lot 5 Parking Deck	AR	5,300	<ul style="list-style-type: none"> <li>Constructs a single additional deck of parking spaces over the existing Parking Lot 5. Number of spaces TBD</li> <li>Addresses the high parking demand in the area of the campus that includes the Student Center, Aldrich Hall, and other high-traffic areas.</li> <li>Consistent with the goals of the UCI Climate Action Plan this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>
North Campus Mixed-use Redevelopment	P3	TBD	<ul style="list-style-type: none"> <li>Redevelops UCI's North Campus for residential/office uses as a public-private partnership development project. ASF/GSF TBD.</li> <li>Provides a combination of uses to fashion a vibrant live-work environment supportive of UCI goals. Uses could include residential facilities, support uses such as child care and recreation facilities, office, research and development, and commercial and retail space. Provides ground lease income to support campus instruction and research programs.</li> <li>P3 projects are not subject to the UCI Climate Action Plan, but this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy.</li> </ul>
Parking Structure 5	EF	63,000	<ul style="list-style-type: none"> <li>Builds a 570,000 GSF, 2,000-space parking structure to address projected demand as a result of enrollment growth and loss of surface lots to new building construction. Supports campus goal to provide support facilities to accommodate all aspects of campus life.</li> <li>May be implemented as a public-private partnership project.</li> <li>Consistent with the goals of the UCI Climate Action Plan this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>
Shellmaker Island Boathouse Replacement	GF	10,500	<ul style="list-style-type: none"> <li>Constructs an 8,500 ASF/11,300 GSF new boathouse on Shellmaker Island (on land leased from the Department of Fish and Game) to replace the existing 40-year-old prefabricated structure, and addresses the need to accommodate growth in campus rowing programs and to provide facilities to accommodate recreational paddle-boarding and kayaking.</li> <li>Supports campus goal to provide support facilities to accommodate all aspects of campus life and provides the university community with access to the ocean.</li> <li>Consistent with the goals of the UCI Climate Action Plan this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>
Verano Unit 8 Apartments	EF, AR, CF	284,583	<ul style="list-style-type: none"> <li>Constructs approximately 1,050 beds in a combination of studio, two-bedroom, and four-bedroom apartments, an 850-space parking structure, and a community center in the graduate student housing quadrant of the campus.</li> <li>Supports campus goal to provide facilities to accommodate all aspects of campus life.</li> </ul>

Project	Sources	Current Term Budget	Project Summary
			<ul style="list-style-type: none"> <li>• Supports the President’s Housing Initiative by providing affordable student housing with rents that will be at least 30percent under local market rates.</li> <li>• Consistent with the goals of the UCI Climate Action Plan this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>
Education and Health Projects			<ul style="list-style-type: none"> <li>•</li> </ul>
Buildout of Shell Space - Hewitt Hall	EF	15,000	<ul style="list-style-type: none"> <li>• Builds out 8,100 ASF/11,500 GSF shell space in the basement of Hewitt Hall.</li> <li>• Provides additional research space to address space shortages in the School of Medicine.</li> <li>• Supports campus goal to provide new and renovated facilities for instruction and research and, consistent with the University of California Policy on Sustainable Practices, this renovation will achieve a LEED™ –ID+C Certified rating and register with the utility’s Savings by Design program.</li> <li>•</li> </ul>
Buildout of Shell Space - Medical Education Building	EF	15,000	<ul style="list-style-type: none"> <li>• Builds out 9,600 ASF/13,700 GSF of shell space on the top floor of the Medical Education Building.</li> <li>• Provides additional instructional, research, and office space to address space shortages in the School of Medicine.</li> <li>• Supports campus goal to provide new and renovated facilities for instruction and research, and consistent with the University of California Policy on Sustainable Practices, this renovation will achieve a LEED™ –ID+C Certified rating and register with the utility’s Savings by Design program.</li> </ul>
Susan & Henry Samueli College of Health Sciences Building / Sue & Bill Gross Nursing & Health Sciences Hall	GF, EF CF	185,000	<ul style="list-style-type: none"> <li>• Provides 106,700 ASF/179,700 GSF of space for UCI's College of Health Sciences, which includes the School of Nursing Science, the Program in Public Health, the Department of Pharmaceutical Sciences, the School of Medicine, and the Susan Samueli Integrative Health Institute to address problems with current space assignments, which for some units consist of campus space intended for other academic uses and are insufficient to accommodate current activities.</li> <li>• Provides instruction, research, office space, and clinical space to meet the highest-priority needs, and supports campus goal to provide new facilities in support of instruction and research.</li> <li>• Will meet minimum of LEED™ Gold, with a bid alternate for Platinum, and consistent with the goals of the UCI Climate Action Plan, this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>

## Capital Need with Funding Not Identified

Project	Sources	Current Term Budget	Project Summary
<b>EDUCATION AND GENERAL PROJECTS</b>			
Arts District Improvements	SE	10,000	<ul style="list-style-type: none"> <li>The Arts &amp; Culture District provides a comprehensive vision for future building placement, outdoor areas, pedestrian circulation, and public art within the Gateway Quad. The Arts &amp; Culture District would extend from the future Institute and Museum for California Art to Aldrich Park and the Claire Trevor School of the Arts. Proposed elements include the following:               <ul style="list-style-type: none"> <li>Future building locations and building expansions within the Gateway Quad</li> <li>Relocation site for Swan Theatre</li> <li>Landscape improvements to the Gateway Radial Mall between Aldrich Park and Campus Dr.</li> <li>Location of future outdoor public art installations</li> <li>Circulation improvements to Pereira Drive.</li> </ul> </li> </ul>
Central Plant and Utility Distribution Renewal Phase 1	SE	15,000	
Engineering Renovations	SE	25,000	<ul style="list-style-type: none"> <li>Addresses deficiencies in older Engineering buildings that can no longer support modern instruction and research activities due to deterioration of building systems and obsolete technologies. Potential projects include Engineering Tower, Engineering Laboratory Facility, and Engineering Gateway.</li> <li>Provides renovations to facilities to support modern research and teaching methods, and accommodates new faculty and program development.</li> <li>Supports campus goal to renovate or replace obsolete facilities. Consistent with the goals of the UCI Climate Action Plan this renovation will outperform the California Building Code by 20 percent.</li> </ul>
Humanities Hall Seismic Improvements	SE	39,000	<ul style="list-style-type: none"> <li>Provides seismic upgrades to Humanities Hall and the bridge that connects Humanities Hall and Krieger Hall.</li> <li>Addresses deferred maintenance needs such as replacement of HVAC controls and system components, fire alarms, plumbing system components, etc.</li> </ul>
Law Building	SE	222,000	<ul style="list-style-type: none"> <li>Constructs 143,000 ASF/220,000 GSF building to address the need to provide permanent, consolidated instruction and research space for the School of Law and replace temporary assignments made at the School's inception.</li> <li>Provides classroom and instructional laboratories, law library, faculty and administrative office space and other spaces required for a fully accredited law school.</li> <li>Releases current temporary assignments in three buildings totaling approximately 66,000 ASF for reassignment to address other campus priorities such as bringing administrative units back from off-campus leased space.</li> <li>Supports campus goal to provide new facilities in support of instruction and research.</li> <li>Bid documents will require LEED™ Gold, with an alternate for Platinum. Consistent with the goals of the UCI Climate Action Plan this project will strive to minimize greenhouse gas emissions by reducing energy demand and replacing fossil-fuel-based energy with low carbon energy. Energy demand will be minimized by designing the building to outperform California Energy code by 50 percent.</li> </ul>

Project	Sources	Current Term Budget	Project Summary
Regional Water Quality Improvements	SE	10,000	<ul style="list-style-type: none"> <li>Constructs, in collaboration with regional partners, a large-scale water quality and water supply infrastructure project that would capture, treat, and reuse runoff from the UCI campus and other areas in regional watershed.</li> <li>Constructs improvements to collect runoff, remove pollutants from the runoff through constructed wetlands and natural bio-filtration systems, and deliver the treated water to benefit the sensitive habitat in the San Joaquin Marsh wetlands.</li> <li>The project would result in significant regional water quality, environmental, recreational, and public education and engagement benefits. Regional partners could include UCI, County of Orange, OC Parks, City of Irvine, and Irvine Ranch Water District.</li> </ul>
Social Sciences Lecture Hall Seismic Improvements	SE	1,500	<ul style="list-style-type: none"> <li>Provides seismic upgrades to Humanities Hall and the bridge that connects Humanities Hall and Krieger Hall as required by Tier 2 evaluation currently underway.</li> <li>Addresses deferred maintenance needs such as replacement of HVAC controls and system components, fire alarms, and roof.</li> </ul>
Sciences Buildings Renovations, Phase 1	SE	26,000	<ul style="list-style-type: none"> <li>Addresses deficiencies in older laboratory buildings that can no longer support laboratory-intensive instruction and research activities due to deterioration of building systems and obsolete technologies. Potential projects include Steinhaus Hall, Reines Hall, and Rowland Hall.</li> <li>Provides renovations to facilities to support modern research and teaching methods, and accommodates new faculty and program development.</li> <li>Supports campus goal to renovate or replace obsolete facilities. Consistent with the goals of the UCI Climate Action Plan this renovation will outperform the California Building Code by 20 percent.</li> </ul>
Capital Projects \$5M to \$10M (E&G)	SE	90,000	<ul style="list-style-type: none"> <li>Includes utility and infrastructure improvements, technology upgrades, renovations of classrooms, laboratories, and administrative, and athletic and performance facilities.</li> </ul>
Capital Renewal/Deferred Maintenance (E&G)	SE	282,200	<ul style="list-style-type: none"> <li>Includes selective renewal or replacement of campus utility infrastructure, building systems, equipment, roofs, walls, and windows.</li> </ul>
Agency-required Environmental and Safety Improvements	SE	15,000	<ul style="list-style-type: none"> <li>Includes building and landscape/hardscape alterations or improvements required by State and Federal regulatory agencies such as Cal-OSHA, the Environmental Protection Agency, the Air Quality Management District, the Regional Water Quality Board, etc. For example Cal-OSHA is requiring that all buildings have roof davits and pedestals installed to facilitate window washing.</li> </ul>
Energy-Saving Projects	SE	50,000	<ul style="list-style-type: none"> <li>Includes installation of advanced lighting controls and LED lighting upgrades and monitoring-based commissioning in buildings campuswide, and retrofit of laboratories to Smart Labs.</li> </ul>
Landscape/Hardscape Renewal & Maintenance	SE	71,000	<ul style="list-style-type: none"> <li>Includes renewal or replacement of hardscape such as paving systems, roadways, pathways, sidewalks, etc; landscape infrastructure such as irrigation systems and erosion control; and other, non-recurring, exterior needs, such as accessibility barrier removal, roadway and plaza improvements, etc.</li> </ul>
Non-Recurring Building Needs	SE	76,000	<ul style="list-style-type: none"> <li>Includes accessibility improvements and building improvements such as fire sprinklers, upgrades to fire-rated wall separations; installing battery-backup exit signs and egress lighting, hazardous material abatement, repair of deteriorated concrete building exteriors, etc.</li> </ul>
Campus Security Improvements	SE	30,000	<ul style="list-style-type: none"> <li>Includes new keycard system, emergency phone upgrades, surveillance systems, etc.</li> </ul>
<b>AUXILIARY PROJECTS</b>			
Capital Projects \$5M to \$10M (AUX)	NS	60,000	<ul style="list-style-type: none"> <li>Includes renovations of classrooms, administrative, student support, athletic facilities, housing, and food facilities</li> </ul>
Capital Renewal/Deferred Maintenance (AUX)	NS	99,000	<ul style="list-style-type: none"> <li>Includes selective renewal or replacement of building systems, equipment, roofs, walls, and windows.</li> </ul>