UCF – Interdisciplinary Research Facility $6.1 M

Conceptual Rendering

Site Map
ROI

✓ Supports programs with $26M in external funding and increases research funding by $20M per year
✓ Increases number of Florida STEM graduates 41% (1,000 additional per year over 2,429 in 2013/14)
✓ Provides economic impact to local economy
  - Year 1: $10,800,274  46 construction jobs, 35 other sectors
  - Year 2: $61,715,839  262 construction jobs, 202 other sectors
  - Year 3: $10,800,274  46 construction jobs, 35 other sectors
  - Business incubator impact to the region of more than $2.5 billion in first 15 years
  - Creates thousands of jobs from incubator program, with salaries averaging $67,541

✓ Enables UCF to continue to excel in patent production (ranked 9th in nation for new patents produced in 2012). Each $1M in research funding produces approximately one new patent per year
✓ Supports UCF’s ranking as a “very high research activity” University by the Carnegie Foundation
✓ Over 150 current incubator clients and more than 100 companies have graduated
✓ Incubator companies currently account for 3,698 jobs in Central Florida
DEMAND METRICS

- Supports programs in nano-science technology, advanced materials processing and analysis, optics and lasers, energy research, and the incubator program

- Creates 27 research labs, 19 material characterization rooms, 21 incubator labs, lecture halls, conference rooms, offices, and ancillary spaces

- Positions UCF for large research projects and partnerships

- Provides critically needed space to support research activities; UCF’s 407,000 net assignable research square feet is one-half the space needed, as calculated by the state’s formula

- Building size: 118,014 gsf – new space will compensate for 20% of the space deficit

- Anticipated construction start date: April 2016
- Anticipated completion date: October 2017
REQUEST

Total project budget: $46,614,853

- Request for 2015-2016: $6,042,667
- Request for 2016-2017: $34,529,519
- Request for 2017-2018: $6,042,667

Plant Operations and Maintenance (Annual Estimate): $1,632,900
UCF – Partnership IV $46.9 M
UCF – Partnership IV $46.9 M

ROI

✓ Supports UCF’s state charter as the Center of Excellence in Simulation and Training
✓ Enhances UCF - DOD partnership for Simulation and Training
✓ Lessens the likelihood of Base Realignment and Closure (BRAC) action
✓ Increases economic impact to local economy
  • **Year 1:** $83,861,787  355 construction jobs, 276 other sectors
  • **Year 2:** $10,938,494  46 construction jobs, 36 other sectors
Models, Simulation and Training (MS&T) economic impact:
- More than $4.8B to Florida’s Gross State Product
- Nearly $8.0B in state sales (economic output) activity
- 1,000+ Florida companies and organizations involved
- Direct employment in the sector of more than 27,000 Floridians
- Approximate average annual salary of $69,797

Research Park economic impact:
- Average salary $82,000+
- 2,800 military and civilian personnel in MS&T

Florida employment impact: 60,700 jobs (direct, indirect, induced)
DEMAND METRICS

✓ Creates classified labs for both the Military and UCF

✓ Satisfies the demand from local MS&T employers for UCF students trained in advanced technologies

✓ Eliminates costly leases that could drive BRAC decisions

✓ Provides space in Research Park to support Army and Air Force presence and potential growth

✓ Avoids potential loss of strategic national programs and dollars to the region and to the state

✓ Building sizes:
  • Technology 1 – 31,520 gsf (existing building to be acquired)
  • Technology 2 – 30,828 gsf (existing building to be acquired)
  • New Development – 167,000 gsf

✓ Anticipated construction start date: December 2015
✓ Anticipated completion date: June 2017
REQUEST

Total project budget: $53,040,000

Prior Funding

Request for 2015-2016 $46,920,000
Request for 2016-2017 $6,120,000

Plant Operations and Maintenance (Annual Estimate): $2,505,000
UCF – Downtown Presence $57.8 M
CREATIVE VILLAGE

✓ Approximately 65 acres, comprising the old Amway Arena site, Bob Carr Theater, and the UCF Center for Emerging Media

✓ City Task Force calls for a “Work, Learn, Play” development, with Education as a key anchor

✓ A high-energy visualization arts, communications, and service learning hub that will serve UCF and the community
ROI

✓ Changes the complexion and vibrancy of the downtown area, with a large University presence; increases economic activity for the City of Orlando

✓ Further strengthens Orlando as a high tech digital media destination; the City’s existing digital media companies already make up one of the top ten digital media clusters in the United States

✓ Embeds UCF into the Orlando community, as thousands of students will live and study in the district

✓ Enriches our successful partnership with Valencia College, as they will bring complimentary programs to the downtown site

✓ Creates opportunities for small business development in support of the new student population

✓ Compares to the University of Buffalo Gates Vascular Institute, which generated $68.5M per year in economic impact and 700 new permanent jobs
ROI

✓ Promotes “next generation” industries other than tourism to create a more diverse and dynamic economy to ensure the City of Orlando’s long-term health

✓ Supports an economically depressed, low-income neighborhood through targeted redevelopment activities

✓ Creative Village’s economic impact to local economy
  • Generates more than $10M in annual property tax revenue to support City services
  • Creates more than 8,000 permanent and related jobs
  • Represents $800M - $1B in full build-out of new development
  • Produces $296M annually in post-construction local economy earnings

✓ UCF’s economic impact to local economy
  • Year 1: $103,218,631 437 construction jobs, 340 other sectors
  • Year 2: $138,906,943 589 construction jobs, 456 other sectors
  • Year 3: $51,890,821 220 construction jobs, 171 other sectors
  • Year 4: $75,362,738 319 construction jobs, 248 other sectors
DEMAND METRICS

- Full-service campus for UCF, comprising 22 of 65 total acres (1/3 of development)
- Five year projection: 7,000 to 10,000 UCF students and 2,000 Valencia students
- Academic departments near the businesses that students want to join after graduation
- Tuition waivers for low-income, local Community School students
- Public affairs embedded in the community
- Enhancement of existing downtown Orlando electronic arts and media industry and education

before

after
REQUEST

Total project budget: $206,664,675

Request for 2015-2016: $57,750,000
Request for 2016-2017: $77,717,325
Request for 2017-2018: $29,032,500
Request for 2018-2019: $42,164,850

Plant Operations and Maintenance (Annual Estimate): $4,098,150
UCF – Colbourn Hall Renovation $2.0 M

ROI

✓ Prevents costly, stop-gap repair measures to antiquated building systems

✓ Prevents the need to demolish the building and displace hundreds of building occupants

✓ Provides long-term energy efficiency

✓ Increases economic impact to local economy

• **Year 1:** $3,489,692  15 construction jobs, 11 other sectors
• **Year 2:** $27,917,544  118 construction jobs, 92 other sectors
• **Year 3:** $3,489,692  15 construction jobs, 11 other sectors
DEMAND METRICS

✓ Extends the useful life of an iconic, 40 year old, 84,000 gsf, structure

✓ Independent study identified:
  • Structural defects
  • Water intrusion issues
  • Mechanical systems past life-span
  • Life Safety deficiencies
  • Building needs to be gutted to structure and rebuilt to current building codes

✓ Remediates structural concerns and failing building systems, which are forcing the relocation of existing faculty

✓ Allows housing new faculty lines that are being hired from performance funding, resulting in an improved faculty to staff ratio, from 32:1 to 28:1

✓ Anticipated construction start date: May 2016
✓ Anticipated completion date: August 2017
EXISTING MECHANICAL SYSTEMS
### REQUEST

<table>
<thead>
<tr>
<th>Total project budget:</th>
<th>$19,524,553</th>
</tr>
</thead>
<tbody>
<tr>
<td>Request for 2015-2016</td>
<td>$1,952,455</td>
</tr>
<tr>
<td>Request for 2016-2017</td>
<td>$15,619,643</td>
</tr>
<tr>
<td>Request for 2017-2018</td>
<td>$1,952,455</td>
</tr>
</tbody>
</table>
UCF – Engineering Building I  $13.9M
ROI

✓ Prevents costly, stop-gap repair measures to antiquated building systems

✓ Provides long-term energy efficiency

✓ Allows UCF to continue producing 1,535 Florida STEM graduates per year in Engineering

✓ Increases annual research expenditures by $700,000 (13% increase over current amounts)

✓ Increases economic impact to local economy

• **Year 1:** $24,940,976  106 construction jobs, 82 other sectors
• **Year 2:** $1,653,285  7 construction jobs, 5 other sectors
DEMAND METRICS

- Extends the life of a 29 year old building to support world-class engineering programs
- Houses the preeminent College of Engineering and Computer Science, with 7,554 undergraduate students and 1,327 graduate students: the largest in Florida and the 9th largest in the nation
- Independent study identified:
  - Mechanical systems past life-span
  - Building needs to be upgraded to meet current building codes
- Creates and upgrades classrooms, instructional and research labs, clean rooms, and ancillary spaces
- Building size: 130,885 gsf
- Anticipated construction start date: December 2015
- Anticipated completion date: August 2017
### REQUEST

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total project budget:</td>
<td>$18,500,000</td>
</tr>
<tr>
<td>Prior Funding</td>
<td>$3,620,723</td>
</tr>
<tr>
<td>Request for 2015-2016</td>
<td>$13,954,277</td>
</tr>
<tr>
<td>Request for 2016-2017</td>
<td>$925,000</td>
</tr>
</tbody>
</table>
UCF – Mathematical Sciences  $9.4M

ROI

✓ Prevents costly, stop-gap repair measures to antiquated building systems

✓ Provides long-term energy efficiency

✓ Allows UCF to continue producing over 7,500 Florida STEM graduates per year in Mathematical Sciences

✓ Increases economic impact to local economy
  
  **Year 1:** $16,840,464  71 construction jobs, 56 other sectors
  **Year 2:** $1,251,135  5 construction jobs, 4 other sectors
DEMAND METRICS

✓ Extends the useful life of this 44 year old building
✓ Provides classroom and labs for 15,787 students annually for Mathematics and Sciences
✓ Independent study identified:
  • Mechanical systems past life-span
  • Building needs to be upgraded to meet current building codes
✓ Creates and upgrades classrooms, teaching labs, research labs, study rooms, and ancillary spaces
✓ Building size: 106,523 gsf
✓ Anticipated construction start date: December 2015
✓ Anticipated completion date: August 2017
<table>
<thead>
<tr>
<th>REQUEST</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total project budget:</strong></td>
<td><strong>$14,000,000</strong></td>
</tr>
<tr>
<td>Prior Funding</td>
<td><strong>$3,877,895</strong></td>
</tr>
<tr>
<td>Request for 2015-2016</td>
<td><strong>$9,422,105</strong></td>
</tr>
<tr>
<td>Request for 2016-2017</td>
<td><strong>$700,000</strong></td>
</tr>
</tbody>
</table>

UCF – Mathematical Sciences  $9.4M