### Proposal Cover Sheet

<table>
<thead>
<tr>
<th><strong>Project Name</strong></th>
<th>Jobs Experience for the Future Workforce” (JEFW)</th>
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</thead>
<tbody>
<tr>
<td><strong>Project Location/s</strong></td>
<td>Ohio</td>
</tr>
<tr>
<td><strong>Project Start Date</strong></td>
<td>January 1, 2013</td>
</tr>
<tr>
<td><strong>Interns/Co-ops Start Date</strong></td>
<td>May 2013</td>
</tr>
<tr>
<td><strong>Lead Applicant – Must be public higher education agency</strong></td>
<td>Central State University</td>
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<tr>
<td><strong>Chief Contact</strong></td>
<td>Cynthia Jackson-Hammond</td>
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<tr>
<td></td>
<td>President</td>
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<td>P.O. Box 1004</td>
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<td>Wilberforce, OH 45384</td>
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<td>937.376.6332</td>
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<td>937.376.6598</td>
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<td></td>
<td><a href="mailto:chammond@centralstate.edu">chammond@centralstate.edu</a></td>
</tr>
<tr>
<td><strong>Project Director(s)- Key Personnel(s)</strong></td>
<td>Morakinyo Kuti</td>
</tr>
<tr>
<td></td>
<td>Director, Office of Sponsored Programs and Research</td>
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<td></td>
<td>P.O. Box 1004</td>
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<td>Wilberforce, OH 45384</td>
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<tr>
<td></td>
<td><a href="mailto:mkuti@centralstate.edu">mkuti@centralstate.edu</a></td>
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<tr>
<td></td>
<td>Elizabeth Beemer</td>
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<tr>
<td></td>
<td>Director, Career Services Center</td>
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<td>P.O. Box 1004</td>
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<td>Wilberforce, OH 45384</td>
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<td>937.376.6444</td>
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<td>937.376.6598</td>
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<tr>
<td></td>
<td><a href="mailto:ebeemer@centralstate.edu">ebeemer@centralstate.edu</a></td>
</tr>
<tr>
<td><strong>Amount of state money requested</strong></td>
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<tr>
<td><strong>Match money committed</strong></td>
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<td><strong>Number of internships/co-ops proposed</strong></td>
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<tr>
<td><strong>JobsOhio key industry/ies impacted</strong></td>
<td>Energy, Advanced Manufacturing, Financial Services, Information Technology, and Consumer Products.</td>
</tr>
<tr>
<td><strong>Are any of the applicants represented by a member of the Advisory</strong></td>
<td>No.</td>
</tr>
</tbody>
</table>
Legal Applicant

Name: Central State University
Address: P.O. Box 1004
City: Wilberforce Zip: 45384
Phone: 937.376.6332 Fax: 937.376.6598 Mail: chammond@centralstate.edu
CEO Name: Cynthia Jackson Hammond

1) Certification by Authorized Official:

To the best of my knowledge and belief, data contained in this application are true and correct. The document has been duly authorized to comply with the required assurances.

Signature of Authorized Official: [Signature]
Typed Name and Title: Cynthia Jackson-Hammond, President

Date: October 12, 2012

2) Administering Entity

Name: Central State University
Address: P.O. Box 1004
City: Wilberforce Zip: 45384 Phone: 937.376.6332
Fax: 937.376.6598 Contact Person: Morakinyo Kuti
Title: Director, OSPR E-Mail: mkuti@centralstate.edu
3.) Business Partners (please submit separate information for each partner)

Company Name: RNET
Address: 240 W. Elmwood Drive
City: Dayton Zip: 45459 Phone: 937-433-2886
Fax: ___________________________ Contact Person: Dr. V. (“Nagu”) Nagarajan
Title: President ______________________ E-Mail: VNagarajan@RNET-Tech.com

Company Name: 3M Industrial Adhesives & Tapes
Address: 1030 Lake Road
City: Medina, OH Zip: 44256 Phone: 800-422-8116
Fax: ___________________________ Contact Person: Patrick Grothaus
Title: Plant Manager ______________________ E-Mail:

Company Name: COBASYS LLC
Address: 50 Ovonic Way
City: Springboro, OH Zip: 45066 Phone: 937-743-4530
Fax: 937-743-4518 Contact Person: Matt Jonas
Title: ___________________________ E-Mail: mjonas@cobasys.com

Company Name: Superion Inc.
Address: 1285 South Patton Street
City: Xenia, OH Zip: 45385 Phone: 937-374-0034
Fax: 937-374-0032 Contact Person: AL Choiniere
Title: President and CEO ______________________ E-Mail: achoiniere@superioninc.com

Company Name: TDL Tool Inc.
Address: 1296 S. Patton Street
City: Xenia, OH Zip: 45385 Phone: 937-374-0055
Fax: 937-374-0057 Contact Person: Steve Mangan
Title: President and CEO ______________________ E-Mail: steve@tdltool.com
Company Name: Plug Smart, Tech Columbus

Address: 1275 Kinnear Road, Suite 229

City: Columbus, OH Zip: 43212 Phone: 937-416-7556

Fax: Contact Person: Rebecca Karason

Title: Energy Manager E-Mail: rebecca.karason@plugsmart.com

Company Name: Miami Valley Punch & Mfg. Inc.

Address: Successful Way

City: Dayton, OH Zip: Phone: 937-416-7556

Fax: Contact Person: Kam Trivedi

Title: President and CEO E-Mail: mvpdayton@aol.com

Company Name: Boonshoft Museum of Discover

Address: 2600 DeWeese Parkway

City: Dayton, OH Zip: 45414 Phone: 937-275-7431

Fax: 937-275-5811 Contact Person: Lee Alder

Title: Manager, Corporate and Community Relations E-Mail: 
Office of the President

October 12, 2012

Mr. Jim Petro, Chancellor
Ohio Board of Regents
30 East Broad Street, 36th Floor
Columbus, Ohio 43215-3414

Dear Chancellor Petro:

Central State University is requesting a waiver of the 100% private match required by the Ohio Means Internships and Co-op Program. This waiver is requested because our private industrial partners are unable to provide a monetary commitment in writing. The companies have made written commitments to provide internships when the proposal is funded.

Over the past six years, student internships have increased from 16 in 2006 to an average of 50 in the last three years. Our students have been placed in government labs and nonprofit institutions such as Wright Patterson Air Force Base Research Laboratory (OH), the National Renewable Energy Laboratory (CO), Sandia, Los Alamos (NM), Oak Ridge (TN), Brookhaven (NY), and Lawrence Livermore (CA) National Laboratories, the National Nuclear Security Administration (DC), NASA Glenn, (OH), the National Oceanic and Atmospheric Administration Research Laboratories (MI and CO), EPA, Wright Brothers Institute, Smithsonian Institution, Perry Nuclear Plant, ATK Military Systems. Students also participated in research internships at major research universities including Rochester Medical School, James Madison, Cincinnati, Miami (Ohio), Arizona State University, Wright State University, Ohio College of Podiatric Medicine, Maryland, and The Ohio State University.

This significant increase in placements was made possible mostly with federal grants paying the students’ stipends. Although Central State is requesting a waiver of the private match requirements, we will provide our match utilizing institutional and public funds in addition to limited funding from private industry partners.

Central State is in the process of embedding internship requirements as part of our curriculum across all disciplines, thereby ensuring institutionalization of the program and the Ohio Means Internships and Co-op Program will serve as a model program for our future endeavors.

I look forward to a favorable decision on our request.

Sincerely,

Cynthia Jackson-Hammond
President

CJH/ms
ABSTRACT

Central State will expand an existing student support program that includes a mixed team of academic, business and private partners that matches students with potential business and industry employers. The enhanced program is called “Jobs Experience for the Future Workforce” (JEFW) and focuses on the JobsOhio industries of Advanced Manufacturing, Information Technology, Financial Services and Consumer Products. JEFW committed business partners include Miami Valley Punch Inc., TDL, RNET, PlugSmart, Boonshoft Museum of Discovery, Superior Inc., 3M Industrial Adhesives and CABASYS LLC.

Supported by funds from the State of Ohio, and the in-kind matching provided by Central State University and its existing externally funded projects, the JEFW program will place 15 students in Ohio-based co-op and intern positions in the first year of the program. We will institutionalize the program beyond state funds as part of the university’s initiative to require internships across the curriculum for our students. As Ohio’s only public supported Historically Black College and University (HBCU), Central State is uniquely positioned to provide a diverse educated and trained population that will contribute to increasing the number of traditionally underrepresented individuals within Ohio’s growing workforce.

Central State has the capacity, experience and organizational capability for outreach to both large and small business enterprises. Under the leadership of the Provost and co-management from the Career Services Office and the Center for Student Opportunities (CSO), we will coordinate the tasks needed to ensure the success of the JEFW program. There will be continuous interaction between the College of Business, College of Engineering and Science, the National Environmental Technology Incubator, Career Services Office and the Office of Sponsored Programs and Research to achieve the goal of the Ohio Means Internships program.

Central State currently has 476 students majoring in Accounting, Business, Computer Science, Finance, Management Information Systems (MIS) and Manufacturing Engineering. Fifty-four of these students have a GPA of 2.9 and above. The minimum GPA to apply for the internship is 2.8 and students must have completed at least 30 hours of study.

As part of our currently funded external programs that support student scholarships and internships, we have teaming agreements and memorandums of understanding in place that permit CSU students to seek research and summer employment experience with academic and industry partners affiliated with those programs.
Program Snapshot

Central State University is pleased to submit this application in support of co-op and internship opportunities for promising students under the Ohio Means Internships & Co-ops program. Central State’s program is entitled, “Jobs Experience for the Future Workforce” (JEFW) and focuses on JobsOhio industries of Advanced Manufacturing, Information Technology, Financial Services and Consumer Products. This expansion of an existing, proven program at Central State promises to bring together a mixed team of academic, business and private partners that will enhance and expand a student support program that will work to perform better.

<table>
<thead>
<tr>
<th>JobsOhio Key Industry or Industries</th>
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</tr>
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<tbody>
<tr>
<td>Number of co-ops/internships created</td>
<td>15</td>
</tr>
<tr>
<td>Number that meet High Demand Occupations</td>
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</tr>
<tr>
<td>Amount of state money requested</td>
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</tr>
<tr>
<td>Amount of match money obtained</td>
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<tr>
<td>Total state money requested divided by number of co-ops &amp; internships created (in whole dollars)</td>
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<tr>
<td>Total match money obtained divided by number of co-ops &amp; internships created (in whole dollars)</td>
<td>$2,000</td>
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<tr>
<td>Total money (state plus match) divided by number of co-ops &amp; internships created (in whole dollars)</td>
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<td>Number of business partners</td>
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<tr>
<td>Number of higher education partners</td>
<td>0</td>
</tr>
<tr>
<td>Number of other partners</td>
<td>0</td>
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</table>

The Program

Central State currently has an effective and proven student support center called the Center for Student Opportunities (CSO). The mission of the CSO is to identify, develop, and promote opportunities, and facilitate resources that assist CSU students in achieving their academic potential and their career advancement goals. This includes providing internships and scholarships; research, graduate and professional school preparation experiences and guidance; professional development workshops; and summer bridge programs. CSO serves as a primary liaison to academic departments, faculty, and researchers regarding student academic and career development opportunities with the objective of assisting students in pursuing advanced degrees in the sciences. CSO is funded by the US Department of Energy through the National Nuclear Security Administration and has served over 1,908 students since 2006.

Under the JEFW program, the CSO will specifically add to its mission a focus to provide co-ops and internships for at least 15 qualified students per year who are pursuing academic careers.
linked to Advanced Manufacturing, Information Technology, Financial Services and Consumer Products.

1. Business attraction & retention

Central State University is unique in that it has available on its campus an established business incubator program that provides a direct link between CSU's faculty, students and academic programs to the local and regional business community. The National Environmental Technology (NET) Incubator provides an affordable head start to companies whose focus is environmental technology as well as a resource for larger, established companies who seek to diversify their product lines.

Technology incubators enable start-up firms and entrepreneurs to bring new ideas and technologies to market. With environmental technologies representing one of the fastest growing sectors worldwide, the need is evident.

The Incubator is located in the McLin International Center for Water Resources Management on CSU's campus in Wilberforce, Ohio and is near one of the largest EPA research laboratories in the nation--the Andrew W. Breidenbach Environmental Research Center in Cincinnati, Ohio.

The NET Incubator represents a remarkable collaboration between:

- the U.S. EPA;
- the Ohio Department of Development;
- Central State University (CSU); and
- Battelle's Environmental Technology Commercialization Center (ETC).

The NET incubator will provide direct support to the JEFW program by linking job and internship offerings as provided to students through its constituency base.

2. Student attraction/retention/completion

Central State has graduated 218 Business and Finance majors, 29 Mathematics and Computer Science majors and 10 Manufacturing Engineering majors over the last three years. At least 38 of those majors successfully completed an internship experience. Internships have been performed through such business affiliates as Avetec, Clark State Community College, Blue Cross and Blue Shield, Fifth Third Bank, and laboratory, industrial and field locations that are under control of the Department of Energy and National Nuclear Security Administration.

3. Student post-credential employment

Central State University has graduated 26 undergraduate students majoring in Manufacturing Engineering over the past four years. Of those graduating students, nearly 70% had successfully completed an internship while at Central State University (at such locations as First Energy Nuclear Power facilities, Avetec, NASA Glenn Research Center, Wright Patterson Air Force Base, etc.), 50% were immediately employed in a field related to their engineering degree (Boeing Corporation, General Electric, Worthington Industries, etc.), and 23% are confirmed to have continued on to graduate school (Ohio State, Wright State, University of Dayton, etc.).
CSU also graduated 29 Mathematics and Computer Science majors over the same time span. Of those graduating students, 62% (18/29) had successfully completed an internship while at Central State University (at such locations as Avetec, Los Alamos National Lab, Lawrence Livermore National Lab., etc.), and 62% (18/29) are confirmed to have continued on to graduate school (9/29---Ohio State, Wright State, Ohio University, etc.) or were employed in a field related to their degree (9/29---computer programmer, code tester, teacher, etc.).

4. Plans & budgets for sustaining the program beyond state money

Central State is currently revising our curriculum and will embed internship requirements as part of the courses required for students to graduate. Students will receive academic credit while gaining meaningful employment experience. This model will lessen the financial requirements for the state to provide funding for the program since students will pay tuition for the classes. As students receive credit for the internship/co-op program, they will have faculty mentors and employers evaluating their performance ensuring that employers receive a meaningful return on their investment. The program would be housed in our Center for Student Opportunities and the Career Services Center both of which are funded by institutional and public funds.

5. Financial & Performance Metrics

Central State will submit all the data required by the Board of Regents. A baseline report of the current internships will be prepared and submitted to the Board of Regents. Students are required to go through pre-internship training before they go on off campus internship and cooperative experiences. The training includes time management skills, social interactions, presentation skills and how to act in a professional environment. As part of our current internship program, employers submit intermittent reports about student’s performance during the internship. In addition, all internships are required to give an oral presentation of their internship experience during our fall internship review.

6. Budget

Central State is estimating an average stipend of $6,500 for a ten-week internship experience per student. Our goal is to place 15 students in internships for a total cost of $97,500 in the first year. We are requesting $67,500 from the State and will provide $30,000. This breaks down to $4,500 per student from the State and $2,000 per student from institutional and private funds.

We are unable to secure explicit monetary commitments from our private companies before the proposal deadline, but have commitments for internship positions. In discussions with private companies, they have will provide positions for our students but cannot make monetary commitments in writing. In addition to the private match, we have federal funds in hand that are dedicated to internships. The Ohio Internship funds would enable us to amplify the impact of those existing programs.

We will provide an additional $80,000 for program management and training of the students on a release time basis from institutional and other funds. The Director of the Office of Sponsored Programs and the Director of the Career Services Center will co-manage the program. We will also use institutional and other funds to provide pre-internship training such as time management skills, social interaction, presentation and speaking skills, and professional development workshops.

Central State University is waiving the 8% indirect cost.
7. Feedback Loop

CSU provides all internship/co-op employers with an evaluation form to be completed and provided to CSU upon the completion of the student’s period of performance. Within two weeks of returning to campus, the evaluation is reviewed and discussed with the student and his/her academic advisor. Student interns are also required to participate in a CSU research colloquium that is held each October, where returning students deliver a PowerPoint presentation to share the outcomes of their internship research and intern experience with the rest of the campus community.

8. Impact to Key Industry and the Local, Regional, or State Economy

As Ohio’s only public supported Historically Black College and University (HBCU), Central State is uniquely positioned to provide a diverse educated and trained population that would contribute to increasing the number of traditionally underrepresented individuals within Ohio’s growing workforce. In CSU’s Manufacturing Engineering Department, the External Advisory Board, consisting of business and industry executives from around the state, meet on campus twice a year to listen and advise students regarding their classroom and field experiences by providing mentoring and “real world” advice regarding advances and challenges in the manufacturing industry. The same attendees also critique student internship presentations and senior design projects. It is not uncommon for graduating students to become employed (or at least have served an internship) at some of the companies owned and operated by the Advisory Board members.

Employers

Besides the potential for matching funds, the following descriptions illustrate what Central State’s business partners (RNET, 3M Industrial Adhesives, COBASYS LLC, Miami Valley Punch, Inc., Boonshoft Museum of Discovery, Superion Inc., Plug Smart, and TDL Tool Inc.) will bring to the table for reinforcing the success of the JEFW program.

1. Business Capacity

The 3M Industrial Adhesives and Tapes Division (IATD) designs, manufactures and markets extensive product lines within five businesses: Converter Markets and Bonding Tapes; Specialty, Single Coated and Masking Tapes; Adhesives; Paper and Printing; and Packaging Tapes and Equipment. The 3M Division is located in Medina, Ohio.

COBASYS LLC is a company dedicated to the development and delivery of the highest quality energy storage systems and solutions for its customers. COBASYS uses many disciplines - innovation, technology, responsiveness, customer application support, integration, engineering, manufacturing and testing to deliver its products and services. The company develops Battery Management Systems (BMS) software, has full, in-house electronic control systems, engineering and development capabilities, and uses Computer-Aided Design (CAD) tools to complete its products. The COBASYS manufacturing facility is located in Springboro, Ohio.

2. Meaningful Work Assignments Aligned with industry Cluster

Miami Valley Punch & Mfg. Inc. in Dayton, OH is a private company that specializes in the manufacturing processes for punching, forming and stamping sheet metal and tool dies to
create machine parts, tools and custom steel orders. Incorporated in 1993, and utilizing the latest computer numerical controlled (CNC) equipment, Miami Valley Punch has been one of the fastest growing and expanding manufacturing enterprises in the Dayton/Miami Valley area.

RNET is a high technology Electronics and Computer Engineering company developing “cutting edge” software and hardware (both chip-level and board-level) products located in Dayton, Ohio. It is a small business that participates in US government funded SBIR/STTR projects from the Air Force, DARPA, MDA, Department of Energy (DOE), NASA, NSF, etc. As a company, it is pursuing advanced R&D and product development in two strategic areas, which are Sensors & Surveillance and High performance Computing (HPC).

3. Paid Positions

Plug Smart is an energy services company that helps commercial, industrial, non-profit, institutional, and utility companies implement a broad range of technology and energy solutions. Since its inception, Plug Smart has benefited from hiring exceptional people that commit themselves to its client’s success. As such, they view its employees as the “difference makers” that can help it profitably grow its business and continue to build on its success. Plug Smart is now hiring and is actively seeking students to fill internship positions.

4. Positions in Multiple Functional Areas

RNET is a high technology Electronics and Computer Engineering company developing “cutting edge” software and hardware (both chip-level and board-level) products located in Dayton, Ohio. It is a small business that participates in US government funded SBIR/STTR projects from the Air Force, DARPA, MDA, Department of Energy (DOE), NASA, NSF, etc. As a company, it is pursuing advanced R&D and product development in two strategic areas, which are Sensors & Surveillance and High performance Computing (HPC).

5. Documented Demand for Talent in Industry

Both the U.S. Bureau of Labor Statistics and the Ohio Department of Jobs and Family Services provided data and outlined projections for jobs in finance, consumer products, information technology, and advanced manufacturing.

Advanced manufacturing is projected to have approximately 1300 jobs over the next year, but the job increase is rated as between 4% (slower than average) to 19% (near average). With exposure to employers, our students will have a better chance to enter into this market.

Although the 700 job increase in information technology, finance and consumer products jobs sees smaller, the projected growth in these areas runs from 23% (faster than average) to 36% (much faster than average) throughout Ohio. Internships will provide our future professionals to enter these employment areas through internships.

Additionally, the Job Center in Dayton provides students with an innovative and/or entrepreneurial bent, the resources and links to its collaborating partners who can supply strategic planning assistance, organizational development services, funding options and access to capital, mentoring and professional services incubators.

Institution of Higher Education
1. Capacity

Central State currently has 476 students majoring in Business, Finance, Accounting, Management Information Systems (MIS) and Computer Science. Fifty-four of these students have a GPA of 2.9 and above, our proposed minimum GPA for the internship is 2.8 and students must have completed at least 30 hours. Under current Central State University external programs that support CSU STEM student scholarships and internships (Choose Ohio First, STEM-X-ED and STEM UP-OUT), CSU has teaming agreements and memorandums of understanding in place that permit CSU students to seek research and summer employment experience with academic and industry partners affiliated with those programs. Through funding from the State of Ohio, Dept. of Defense and the National Nuclear Security Agency, respectively, during last year alone, more than 35 CSU students participated as interns under those programs. The JEFW program will poise CSU to expand our internship program into business and industry.

2. Positions Transcripted or Available for Credit

The Internships could be eligible for academic credit in the courses listed below. A detailed description of the internship position will determine if the experience would qualify for academic credit. Cooperative experiences already receive academic credit.

Course offerings for Co-ops and internships include:

CPS2500, Computer Science Research (I, II, III, IV; 2-4) This course is designed to provide state-of-the-art research opportunities beyond the scope of courses in the curriculum so advanced students may have experience with current industry standard methodologies in areas such as Cyber Security, Cloud Computing, Wide Area Networks, and others. Students may be awarded a 6-12 week summer internship under the mentorship and supervision of a department faculty member and earn credit for this course. An oral and/or poster presentation is part of the requirements for the course.

MIS 4466. Internship in Management Information Systems (On Demand: 1-6) Course provides the opportunity to explore practical experience in MIS. Student activities will be supervised by the organization sponsoring the internship. The Office of Career Services and the responsible faculty monitor internship. A comprehensive report is required at the completion of the internship.

FIN 4466. Internship in Finance (On Demand; 1-6) Course provides the opportunity to explore practical experience in finance. Student activities will be supervised by the organization sponsoring the internship. The Office of Career Services and the responsible faculty monitor internships. A comprehensive report is required at the completion of the internship. Prerequisite: Permission of the instructor.

MFE 4897. Undergraduate Research (II; 1-3) Research performed by an individual student or a small team of students. It is the responsibility of the student to identify an appropriate faculty research advisor willing to supervise the work. The research topic, work plan and number of credit hours are to be determined in advance by mutual agreement between the student and research advisor.
MFE 1297. Selected Topics in Manufacturing Engineering (II; 1-3) This course is designed to provide the flexibility to cover selected manufacturing engineering topics not normally available in the required major course.

MKT 4466. Internship in Marketing (On Demand; 1-6) Course provides the opportunity to explore practical experience in marketing. Student activities will be supervised by the organization sponsoring the internship. The Office of Career Services and the responsible faculty monitors the internship. A comprehensive report is required at the completion of the internship.

3. Outreach to populations traditionally underrepresented in the proposed area/s of co-op and internship program

Central State University (CSU) is the only public Historically Black Colleges and Universities (HBCUs) in Ohio. It is one of the nation’s most renowned historically African American universities, with a 125-year legacy of academic and athletic achievement. CSU is predominantly African American (currently 96%). Fifty-eight percent of CSU’s student population comes from families whose income is below the poverty level as defined by the U.S. Census Bureau.

CSU has matriculated professionals of national and international reputation since its inception in 1887 and has been consistently responsible for significant percentages of the total number of African American students graduating from all Ohio public universities. Since 1994, CSU has awarded seven percent of all bachelors’ degrees earned by African Americans (regardless of major) at public universities in the State of Ohio. Other public universities that award notable percentages of bachelor’s degrees to African Americans include the Ohio State University, 26% (student enrollment, 52,568), University of Cincinnati, 14% (student enrollment, 29,319), and Kent State University, 9% (student enrollment, 22,359). Of the total bachelor degrees awarded in the following programs to African Americans by Ohio’s public universities, CSU awards the indicated percentages: industrial technology (10%); manufacturing engineering (16%); mathematics (28%); biology (4%); and physical sciences (8%).

In May 2011, CSU graduated 31 minority students in STEM or STEM education fields, a 58% increase in STEM graduates since 2008. Of these graduates, 42% (13) are enrolled in premiere graduate programs in their fields.

4. Improvements to Existing Academic Programs with a Cooperative Education or Internship Component

Several externally funded programs at Central State have enhanced the capabilities of the Manufacturing Engineering Department and others. One additional recent program entitled, “Center of Excellence in STEM Education (STEM-X-ED), funded by the U.S. Department of Defense has provided $209,000 in FY 2012/13 to upgrade and install new computer numerical controlled (CNC) machining tools that have helped CSU revolutionize its manufacturing, robotics and computer-aided design (CAD) labs. In addition, the program provides a two-week summer camp for K-12 students where Central State Computer Science and Manufacturing Engineering majors interact with grade school and middle school students to expose them to CPS and MFE career fields and demonstrate hands-on CPS and MFE technologies. Central State aims to attract the same group to consider Central State as their choice for postsecondary education—with a particular focus on mathematics, computer science and engineering. During summer 2012, forty middle school students successfully completed the camp.
ExCEL Facilities

Under a recent grant award entitled “Extra Classroom Environments for Learning (ExCEL) in STEM” funded by the Minority Science Engineering Improvement Program Office of the U. S. Department of Education, the University received the following equipment that support computer science courses and laboratories:

<table>
<thead>
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<th>Equipment</th>
<th>Quantity</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>Epson PL Projector &amp; Short Throw Mount</td>
<td>7</td>
<td>$6,496.00</td>
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<tr>
<td><strong>Total:</strong></td>
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<td><strong>$17,471.87</strong></td>
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Other ExCEL budget items supporting computer science courses were added to enhance personnel, tutors, stipends, computer codes and books.

5. Plan to Connect Employers and Students via Web, Communications & Marketing

In addition to every CSU student computer lab having access to the JobsOhio [http://jobs-ohio.com/sites/] and OhioMeansJobs websites, [https://ohiomeansjobs.com/omj/], and their affiliated statewide economic resources and internship opportunities, Central State’s Career Services Center and other student support offices have in place an institutional website that promotes a “one stop” opportunity for students to learn of scholarship and co-op and internship opportunities. The website is hosted by CSU’s Center for Student Opportunities, which is located within the Office of Sponsored Programs and Research in Jenkins Hall—in very close proximity to student dormitories and CSU’s soon-to-be completed University Student Center. The CSO is also accessible via Face Book, Twitter and other interactive social media. [http://www.centralstate.edu/academics/support/cso]. Collectively, the Career Services Center and the CSO provide students with a local, “bridge resource” that links CSU’s students and Ohio employers with the state’s JobsOhio and Ohio Means Jobs resources.

6. Providing Student Opportunities to Small, Mid-size and Large Business Enterprises

Central State has the capacity, experience and organizational capability to outreach to both large and small business enterprises--- as well as those that fall in between. As mentioned previously, the National Environmental Incubator is specifically tailored to interact and meet the demands of small, start-up companies, while our College of Business (formerly College of Business and Industry) is geared to meet the larger scale needs of large corporations and conglomerates such as Boeing Corporation, General Electric, Honda and Toyota.
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<th>Private Funds</th>
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(All non Regents funds must be supported by a signed commitment letter.)
Office of the President

October 12, 2012

Mr. Jim Petro, Chancellor
Ohio Board of Regents
30 East Broad Street
36th Floor
Columbus, Ohio 43215-3414

Dear Chancellor Petro:

Central State University is committed to providing the matching funds described below in support of our “Jobs Experience for the Future Workforce” (JEFW) program.

**Personnel**

$72,392

**Applicant Funds**

The Directors of the Office of Sponsored Programs and Research and Career Services Center will devote 15% of their time each to manage the program. Thirty thousand seven hundred dollars (37,000) will be provided from institutional funds.

Faculty and staff will train CSU interns prior to placing them in internships (6 faculty/staff members at $1500 each). Nine thousand dollars (9,000) will be provided from institutional funds.

The Associate Director of the Office of Sponsored Programs and Research will coordinate the interactions of students with employers and utilization of the OhioMeansJobs.com and OhioMeansInternships.com websites. Fifteen percent of his time ($14,874) will be provided by institutional funds.

**Other Public Funds (Federal)**

The Manager for the Center for Student Opportunities will evaluate student transcripts, act as a liaison with faculty members, and implement the Fall Internship Review. Twenty percent of his time will be dedicated to the project. Eighteen thousand three hundred and ninety-two dollars ($18,392) will be paid from federal funds.

**Supplies**

$2,000

Central State will provide all supplies necessary to implement the program. Two thousand dollars of institutional funds will be provided.
Scholarships $30,000

Scholarships/Stipends of $2,000 per student (15 students at $2,000 each) will be provided from public/private funds.

Professional Development $4,000

Four professional development workshops at a cost of $1,000 per workshop will be provided to all internship participants. These workshops will be sponsored by Central State and other public funds.

Total Committed $108,392

Central State is committed to the success of the "Jobs Experience for the Future Workforce" (JEFW) as it complements our internships across the curriculum initiative. If you have questions or comments, please feel free to contact me at (937) 376-6332 or chammond@centralstate.edu.

Sincerely,

Cynthia Jackson-Hammond
President

CJH/ms
12 October 2012

Chancellor Jim Petro
Ohio Board of Regents
30 East Broad Street, 36th Floor
Columbus, Ohio 43215-3414

Dear Chancellor Petro:

RNET Technologies, Inc. (RNET) is pleased to submit this letter in support of Central State University’s (CSU) application to provide co-op and internship opportunities for promising students under the “Ohio Means Internships & Co-ops” program. RNET, a small business located in Dayton, Ohio, is a leading high technology company that is developing cutting edge software and hardware products using SBIR/STTR funds from government agencies, such as DoD, DOE, NASA, DARPA, etc.

We are aware that Ohio has a need for highly trained and qualified professionals with varying levels of college degree completion as our company faces shortage of trained personnel in electrical engineering and computer science. RNET is excited about CSU’s program, entitled, “Jobs Experience for the Future Workforce” (JEFW), because it promises to bring together a mixed team of academic, business and private partners who already have in-place the academic curriculum, training initiatives, and professionals that can make such a program work successfully. We are aware that CSU students who do internships have gone on to complete their undergraduate degrees and have been hired into the workforce, or have gone on to undertake advanced studies.

We at RNET feel that we will be able to provide internship and Co-op positions for about five (5) qualified CSU students who are found to be competent in the areas of computers science and electrical engineering to complete 8 to 10 weeks of experience at RNET in 2013. RNET is pleased to collaborate on this important effort to connect more Ohio students with internships, cooperative education, and employment. Through this initiative and others, we know we can have a significant impact on the economic development of the region and the State of Ohio. We are pleased to be an active partner in this effort.

Sincerely,

V. ("Nagu") Nagarajan, Ph.D.
President
RNET Technologies, Inc.
240 W. Elmwood Dr., Suite 2010
Dayton, OH 45459-4248

Tel: (937)-433-2886
E-Mail: VNagarajan@RNET-Tech.com
October 12, 2012

Chancellor Jim Petro  
Ohio Board of Regents  
30 East Broad Street, 36th Floor  
Columbus, Ohio 43215-3414

Dear Chancellor Petro:

The 3M Medina plant is pleased to submit this letter of commitment in support of Central State University’s (CSU) application to provide co-op and internship opportunities for qualified students under the “Ohio Means Internships & Co-ops” program. As you are aware, advanced manufacturing in Ohio has a need for highly trained and qualified professionals with varying levels of college degree completion.

3M is particularly excited about Central State’s program, entitled, “Jobs Experience for the Future Workforce” (JEFW), because it promises to bring together a mixed team of academic, business and private partners who already have in-place the academic curriculum, training initiatives and on-board professionals that can make such a program work.

Last summer, we have had an engineering student intern from Central State through CSU’s Departments of Manufacturing Engineering. I am pleased to say that the quality and professionalism from Central State’s student intern has been truly outstanding.

3M is pleased to collaborate on this important effort to connect more Ohioans with internships, cooperative education and employment. Through this initiative and others, we know we can have a significant impact on the economic development of the region and the state of Ohio. We are pleased to be an active partner in this effort.

Sincerely,

Patrick Grothaus  
Plant Manager  
3M Industrial Adhesives & Tapes
Dr. Augustus Morris  
Manufacturing Engineering Department  
Central State University  
1400 Brush Row Road  
Wilberforce, OH 45384

October 5, 2012

Dear Dr. Morris,

Cobasys enjoyed working with intern Lolasha Grier this past summer. Cobasys strongly believes students benefit from internship programs, and would support additional interns in the future.

Sincerely,

Matt Jonas
October 12, 2012

Chancellor Jim Petro
Ohio Board of Regents
30 East Broad Street, 36th Floor
Columbus, Ohio 43215-3414

Dear Chancellor Petro:

Miami Valley Punch Manufacturing Company Inc., an Ohio-based tool and die manufacturing company is pleased to submit this letter of commitment in support of Central State University’s (CSU) application to provide co-op and internship opportunities for promising students under the “Ohio Means Internships & Co-ops” program. As you are aware, the mining and manufacturing industries of Ohio have an expressed need for highly trained and qualified professionals with varying levels of college degree completion. Miami Valley Punch Manufacturing Company Inc. is particularly excited about Central State’s program, entitled, “Jobs Experience for the Future Workforce” (JEFW), because it promises to bring together a mixed team of academic, business and private partners who already have in-place the academic curriculum, training initiatives and on-board professionals that can make such a program work.

Miami Valley Punch Mfg Co. Inc. has in the past supported internship relationship with Central State through CSU Manufacturing Engineering Department initiatives.

At Miami Valley Punch Manufacturing Company Inc., we understand that it takes a true and meaningful commitment to make a partnership agreement really work. Therefore, Miami Valley Punch Manufacturing Company Inc. pledges to commit a cost share amount of 50% of the salary wage/stipend for one or two student(s) to complete 8 weeks of experience at our local facility and/or field locations. Central State and Miami Valley Punch Mfg. Co Inc. will further negotiate the total number of students that will participate each year.
Miami Valley Punch Mfg. Co Inc. is pleased to collaborate in this important effort to connect more Ohioans with internships, cooperative education and employment. Through this initiative and others, we know we can have a significant impact on the economic development of the region and the state of Ohio. We are pleased to be an active partner in this effort.

Sincerely,

[Signature]

Mr. Kam Trivedi
President & CEO
Miami Valley Punch Manufacturing Company,
Successful Way, Dayton, Ohio

E-Mail: mvpdayton@aol.com

Phone: (937)-237-0533
Fax: (937)-237-7179
Letter of Commitment From Superion, Inc.

October 3, 2012

Chancellor Jim Petro
Ohio Board of Regents
30 East Broad Street, 36th Floor
Columbus, Ohio 43215-3414

Dear Chancellor Petro:

Superion, Inc, an Ohio-based high technology and precision manufacturing company is pleased to submit this letter of commitment in support of Central State University’s (CSU) application to provide co-op and internship opportunities for promising students under the “Ohio Means Internships & Co-ops” program. As you are aware, the mining and manufacturing industries of Ohio have an expressed need for highly trained and qualified professionals with varying levels of college degree completion. Superion, Inc. is particularly excited about Central State’s program, entitled, “Jobs Experience for the Future Workforce” (JEFW), because it promises to bring together a mixed team of academic, business and private partners who already have in-place the academic curriculum, training initiatives and on-board professionals that can make such a program work.

This past summer 2012, Superion, Inc. opened up a student internship relationship with Central State through CSU’s Departments of Manufacturing Engineering, International Center for Water Resources Management and the College of Business (formerly College of Business and Industry). I am pleased to say that the quality of the student who had passed through our company this summer as a “professionals in training” from Central State University has been truly outstanding.

At Superion, Inc., we understand that it takes a true and meaningful commitment to make a partnership agreement really work. Therefore, Superion, Inc. pledges to
commit a cost share amount of 50% of the salary wage/stipend for one or two student(s) to complete 8 weeks of experience at our local facility and/or field locations. Central State and Superion, Inc will further negotiate the total number of students that will participate each year.

Superion, Inc. is pleased to collaborate in this important effort to connect more Ohioans with internships, cooperative education and employment. Through this initiative and others, we know we can have a significant impact on the economic development of the region and the state of Ohio. We are pleased to be an active partner in this effort.

Sincerely,

Mr. AL Choiniere
President & CEO
Superion, Inc, ISO 9001
1285 South Patton Street, Xenia, Ohio 45385

e-mail: achoiniere@superioninc.com

Phone: (937)-374-0034
Fax: (937)-374-0032
October 12, 2012

Chancellor Jim Petro
Ohio Board of Regents
30 East Broad Street, 36th Floor
Columbus, Ohio 43215-3414

Dear Chancellor Petro,

Plug Smart is pleased to submit this letter of commitment in support of Central State University’s (CSU) application to provide co-op and internship opportunities for promising students under the “Ohio Means Internships & Co-ops” program. As you are aware, the energy services of Ohio have a need for highly trained and qualified professionals with varying levels of college degree completion. Plug Smart is particularly excited about Central State’s program, entitled, “Jobs Experience for the Future Workforce” (JEFW), because it promises to bring together a mixed team of academic, business and private partners who already have in-place the academic curriculum, training initiatives and on-board professionals that can make such a program work.

Since 2012, we have had an ongoing student intern relationship with Central State through CSU’s Department of Manufacturing Engineering. I am pleased to say that the quality of students who have passed through our company as “professionals in training” from Central State have been truly outstanding. We have enjoyed having them as a part of our team and hope to continue our relationship with CSU’s internship program in the future.

We at Plug Smart understand that it takes a true and meaningful commitment to make a partnership agreement really work. Therefore, Plug Smart commits to provide internship and Co-op positions for Central State students to complete 8 to 10 weeks of experience at our Ohio main facility or field location between January and December of 2013.
Plug Smart is pleased to collaborate on this important effort to connect more Ohioans with internships, cooperative education and employment. Through this initiative and others, we know we can have a significant impact on the economic development of the region and the state of Ohio. We are pleased to be an active partner in this effort.

Sincerely,

Rebecca Karason
Energy Manager
1275 Kinnear Road, Suite 229
Columbus, OH 43212
937-416-7556
rebecca.karason@plugsmart.com
TDL TOOL INC.

1296 S Patton ST
Xenia, Ohio 45385

Phone 1-937-374-0055    Fax 1-937-374-0057    steve@tdltool.com

Letter of Commitment from TDL Tool, Inc.

October 12, 2012

Chancellor Jim Petro
Ohio Board of Regents
30 East Broad Street, 36th Floor
Columbus, Ohio 43215-3414

Dear Chancellor Petro:

TDL Tool Inc, an Ohio-based tool and die manufacturing company is pleased to submit this letter of commitment in support of Central State University’s (CSU) application to provide co-op and internship opportunities for promising students under the “Ohio Means Internships & Co-ops” program. As you are aware, the mining and manufacturing industries of Ohio have an expressed need for highly trained and qualified professionals with varying levels of college degree completion. TDL Tool Inc. is particularly excited about Central State’s program, entitled, “Jobs Experience for the Future Workforce” (JEFW), because it promises to bring together a mixed team of academic, business and private partners who already have in-place the academic curriculum, training initiatives and on-board professionals that can make such a program work.

TDL Tool, Inc. has in the past supported internship relationship with Central State through CSU’s Departments of Manufacturing Engineering, International Center for Water Resources Management and the College of Business (formerly College of Business and Industry).

At TDL Tool Inc., we understand that it takes a true and meaningful commitment to make a partnership agreement really work. Therefore, TDL, Inc. pledges to commit a cost share amount of 50% of the salary wage/stipend for one or two student(s) to complete 8 weeks of experience at our local facility and/or field locations. Central State and TDL, Inc will further negotiate the total number of students that will participate each year.
TDL, Inc. is pleased to collaborate in this important effort to connect more Ohioans with internships, cooperative education and employment. Through this initiative and others, we know we can have a significant impact on the economic development of the region and the state of Ohio. We are pleased to be an active partner in this effort.

Sincerely,

[Signature]

Mr. Steve Mangan
President & CEO
TDL Tool Inc,
1296 South Patton Street, Xenia, Ohio 45385

e-mail: steve@tdltool.com

Phone: (937)-374-0055
Fax: (937)-374-0054
October 12, 2012

Chancellor Jim Petro
Ohio Board of Regents
30 East Broad Street, 36th Floor
Columbus, Ohio 43215-3414

Dear Chancellor Petro:

The Boonshoft Museum of Discovery is pleased to submit this letter of commitment in support of Central State University’s (CSU) application to provide co-op and internship opportunities for promising students under the “Ohio Means Internships & Co-ops” program.

Boonshoft Museum of Discovery has been a partner with Central State University since 2009, working together to bring educational opportunities to the Dayton Region. In 2011, “Splash” one of our most popular exhibits that encourages attendees to explore topics such as water conservation efforts, water-based careers and waste management was formed with the help of Dr. Krishna Kumar V. Nedunuri, Professor of Environmental Engineering at Central State University.

More recently, in November of 2012 Boonshoft Museum of Discovery and Central State University will again partner for a new endeavor, Chemistry + Cocktails, a young professional’s networking event that will highlight and encourage STEM initiatives, education and jobs within our area.

As an important partner to our agency, Boonshoft Museum of Discovery and Central State University are currently looking for new opportunities to welcome Central State Students to further their education endeavors through internships and co-ops as a continuation of our partnership.

Sincerely,

Lee Alder
Manager, Corporate and Community Relations