Construction and Hospitality Academies

University of the District of Columbia

Round Three TAACCCT Grant

Catalog of Products

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Introduction

This document catalogs the curricular resources and supporting documents developed by the University of the District of Columbia (UDC) under its Round 3, Trade Adjustment Assistance Community College and Career Training (TAACCCT) grant awarded by the U.S. Department of Labor. UDC developed and updated content that augmented two existing training programs that focused on the Construction and Hospitality sectors.

Workforce Development and Lifelong Learning (WDLL) is a division within the University of the District of Columbia Community College (UDC-CC). While WDLL is a component of the main university, it operates under an independent budget; manages its own programming; and has dedicated leadership in the form of a Dean and Associate Dean. WDLL's mission is: "To reduce unemployment and underemployment in the District of Columbia by enhancing the skills of its residents." Programming funded through this grant focused on fulfilling that mission statement.

The Construction Academy combined existing course and resource materials with new programming funded through this grant. The Round 3 grant was written to develop sustainable programming for construction-related courses, which would enable students to increase their employment opportunities. The grant provided funding for the hiring of staff to develop new programming. It also allowed the enhancement of hands-on learning in the form of a computer learning laboratory. New construction courses included Building Information Management (BIM); Apartment Maintenance; Heating, Ventilating and Air Conditioning (HVAC); and associated developmental and work readiness programming.

The Hospitality program was created to meet the employment needs of the Hospitality Industry in the Washington, DC Metro area. This program was designed to optimize the educational and employment opportunities for the students, who are residents of Washington, DC. This initiative brought together different agencies, each with its own resources and expertise. The new program created a partnership among three agencies: The University of the District of Columbia, Community College, Workforce Development and Lifelong Learning (UDC); Goodwill of Greater Washington (Goodwill); and Progressive Partners.

All products included in this catalog were developed by UDC. These resources were produced with federal grant funds and reviewed for content, overall quality and completeness by the Project Director; an outside subject matter expert; and by the consortium's Third-Party Review contractor, PPM Associates. The catalog is organized by product type. Each entry includes the product title, a brief description of the contents, and a URL link to the location of the resource on the Department of Labor's Skills Commons Web site.

Apartment Maintenance Course
https://www.skillscommons.org/handle/taaccct/12393

This program of study prepares students to be apartment maintenance technicians. It addresses maintenance and repair of air conditioning, plumbing, building interiors and exteriors, heating, electrical systems and appliances.

Revised Construction Core Course
https://www.skillscommons.org/handle/taaccct/12396

This course builds the foundational skills for entry-level craft and construction workers. The eight modules cover Basic Safety; Construction Math; Hand and Power Tools; Construction Drawings; Basic Communication and Employability Skills; and Material Handling.

Construction Math Curriculum
https://www.skillscommons.org/handle/taaccct/12719

This program of study introduces students to construction math. It addresses the following subject/activities: whole numbers, fractions, decimals, measuring length, measurement systems, and geometry.

HVAC Theory Curriculum and Class Standardization
https://www.skillscommons.org/handle/taaccct/12720

This program of study presents the concepts of heating and air conditioning, including air and refrigerant distribution systems. Upon successful completion, participants are prepared to take the HEAT exam, a nationally recognized certification in basic heating, electrical and air conditioning technology.

Building Information Modeling Curriculum
https://www.skillscommons.org/handle/taaccct/12926

The BIM curriculum is designed to equip the student with the skills necessary to understand what BIM is; how and why it is used in the construction industry; and how to navigate the model. The product contains instructional materials for 15 classes (Part I), six learning modules (Part II), and accompanying labs. (Models)

Construction Industry Advisory Council Meeting Minutes and Agendas
https://www.skillscommons.org/handle/taaccct/12727

This product contains the minutes and agendas from meetings of the college's Construction Industry Advisory Council.

Creation of DC Consortium for Career Development
https://www.skillscommons.org/handle/taaccct/12732

This product describes a partnership of career and technical education (CTE) educators, community-based organizations and service providers working collaboratively to maximize their resources to improve CTE programs in construction, foster work-based learning opportunities and employment for their clients. It includes meeting agendas and minutes.

Final Program Design
https://www.skillscommons.org/handle/taaccct/12768

This product contains an overview of the changes in the college's construction program of study. It includes a construction pathway course overview, and graphic depictions of construction career pathways.

OSHA Outreach Training Program
https://www.skillscommons.org/handle/taaccct/12769

This product contains online and in-person training for workers and employers on the recognition, avoidance, abatement, and prevention of safety and health hazards in workplaces in the construction industry.

Hospitality Program Revisions
https://www.skillscommons.org/handle/taaccct/12767

This course prepares students for careers in the hospitality industry. It provides instruction on hospitality, guest/customer services and digital-basics training.

Customer Service Hospitality Enhancement Program
https://www.skillscommons.org/handle/taaccct/12734

This course prepares students with foundational soft skills to enable them to be successful in the hospitality sector and other occupations.

Student Outreach Materials
https://www.skillscommons.org/handle/taaccct/12726

This product contains an array of outreach materials for students interested in careers in the construction industry. It includes job announcements; employer hiring events; a poster; and documentation of career fair activities and successful student outcomes.

Certification Listing for the Construction Academy and Hospitality Academy
https://www.skillscommons.org/handle/taaccct/12897

This product contains a list of industry certifications and related career pathway graphics for the college's Construction and Hospitality Academies.

Sustainability Plan
https://www.skillscommons.org/handle/taaccct/12886

This product details the sustainability plan for the college's Construction and Hospitality Academies after grant funding ends.

UDCC Product Catalog and SME Report
https://www.skillscommons.org/handle/taaccct/12901

UDC-Community College (UDC-CC) proposes to use Trade Adjustment Assistance Community College and Career Training Grants Program (TAACCT 3) funds to implement the Work-Based Training Opportunities program strategy in the construction and hospitality industry sectors. UDC-CC selected these sectors based on research conducted by the DC Workforce Investment Council (DC WIC) that identified these two industries as high-growth, high-demand sectors. In addition, these sectors align with the Mayor's Five-Year Economic Development Strategy for the District of Columbia. While implementing this strategy, UDC-CC will address each of the six core elements. At the same time, UDC-CC will work with the Mayor's Office, DC WIC, employers, and community-based organizations to ensure that the occupational offerings and credentials address current and emerging needs. This catalog summarizes the products developed by the UDC-Community College. The Construction Academy SME Report provides an evaluation of the UDC-Community College's Construction Academy.