

knowledge 2work

IMS Digital Credentials, Badges and CBE
Monthly Update - 4/22/16

LFCC Example of CBE Extended Transcript



John Milam

Lord Fairfax Community College

<http://knowledgetowork.com>

<http://higherred.org>

Knowledge to Work is funded in part by a TAACCCT grant from the
U.S. Department of Labor's Employment and Training Administration



Creates personalized learning plan software for CBE w/ competency tracking



Uses free & low-cost OER, w/ digital librarian; served in LMS



Includes work w/ AHIMA on a new, national credential and set of competencies (IT in HIM)



Uses national competency frameworks from AHIMA, ACM, IAAP, & NCCER



Offers CBE “credit” & “non-credit” programs in IT, HIM, admin tech, & the trades



Regional accreditation approval, w/ recent site visit



Creates software for extended CBE transcripts & business processes for registrar



Working with ED for PPA modification to offer direct assessment

Knowledge to Work Other Features

- Addresses the continuum of competences in a pathway, from ABE to co-remedial to college-level
- Provides wrap-around student support services w/ career coach
- Workforce Navigator works w/ employer partners & their incumbent workers
- Makes deliverables available for free on new CBE portal at <http://highered.org>

Partners



AHIMA

American Health Information Management Association w/ competency framework, career pathways/job families data, consulting, curriculum alignment, jobs data, outreach



Advanced manufacturing



Microsoft

Access to Virtual Academy learning objects, IT career pathways/job families, consulting, curriculum alignment, outreach



Healthcare



Community-based organizations



Information technology



K-12 School systems

Alignment w/ other CBE & OER efforts



C-BEN

Competency-Based Education Network of institutional leaders sharing best practices, approaches, & Ideas; funded by Lumina & organized by Public Agenda; meets three times a year



CBE4CC

Invitational group of 50 community colleges met in June 2015, funded by Gates & DOLETA/TAACCCT to promote CBE success. Offers webinars, new CBE journal hosted at WGU



CCCOER

Community College Consortium for Open Educational Resources sharing best practices & models to leverage OER technology, train faculty, & reduce costs



Merlot/Skills Commons

MOU w/ Merlot repository for API to access OER for portal. Special version of MERLOT for TAACCCT grantees to share/leverage resources



Alignment w/ other CBE & OER efforts



IMS Global – CBE Record Standard

Workgroup of IMS focused on setting standards for CBE records, including API & data exchange technologies, focus on extended transcript and assessment use cases. Meets in San Antonio at May IMS LILI conference



IMS GLOBAL[®]
Learning Consortium



IMS Global – Extended transcript workgroup

Project of CBE Record standard workgroup, focus on developing a model & format for an extended transcript to record CBE; working w/ AACRAO & other organizations



National, State, & System OER efforts

Leveraging State Council of Higher Education for Virginia & Virginia Community College System efforts to encourage OER practices & cost savings such as the Z degree and Z courses. Also incorporating USDOL TAACCCT and US Dept. of Ed initiatives to promote OER use

Competency Frameworks for Direct Assessment CBE programs

Adapted by LFCC Faculty Direct Assessment Committee

**Association for Computing Machinery
Committee for Computing Education in Community Colleges**

AAS in Information Systems Technology

Career Studies Certificate in Networking Specialist

Career Studies Certificate in Cyber Security

American Health Information Management Association

AAS in Health Information Management

Career Studies Certificate in Hospital Facility Coding

International Association of Administrative Professionals

Certificate in Office Systems Assistant

Career Studies Certificate in Information Processing Technician

LFCC's Knowledge to Work Round 4 TAACCCT Grant

Program Design Features



Personalized learning plans

Work with faculty to create a personalized learning plan. Select program competencies that are addressed in new educational activity for the semester. Document weekly momentum points show faculty-student engagement with regular and substantive interaction. Document milestones at the beginning, middle, and end of the semester.



Focused on competences

Program competencies are based on national frameworks from ACM, AHIMA, and IAAP, mapped by faculty to program student learning outcomes. Time during first semester spent reflecting on previously attained competencies, which are reviewed and where appropriate verified by faculty.



Using digital learning objects/open educational resources (OER)

Uses Blackboard LMS to serve OER to enrolled students, incorporated free and low-cost digital learning objects. Provides a portal with a new type of educational search engine to find resources tied to competencies, with filters by cost, delivery mode, language, complexity. Includes courses, Khan Academy, MOOCs, Merlot, and others.



Documented with direct assessment

Faculty in the discipline identify direct assessment methods to verify competency attainment. Includes assignments such as projects, exams, quizzes, and simulations. Faculty use rubrics to evaluate success. All competencies must be met and verified at the 80% level or higher. Incorporating peer review for reliability.



Wrap-around support services & alignment w/ workforce needs

Provides full-time career coach, outreach/recruiter, adult education instructor, and Workforce Navigator to ensure alignment between CBE program preparation & the competencies needed for real-time job openings in IT, HIM, administrative support technology, & advanced manufacturing.



Building a *Linked In* profile with competencies tied to employment goals

Incorporates *Linked In* features, with occupational interests and competencies. Prior competency attainment is verified in the same way new educational activity for competencies are, through faculty-approved assessments, course equivalencies mapped to competency frameworks, & nationally-recognized exams.

Return To Student List View

Switch to... Notes For Test Student

Click To Toggle Panel: Create New Learning Plan For Test Student 1234567

Create New Learning Plan For Test Student

Summer 2016

Add New Learning Plan For Test Student

Personalized Learning Plans For Test Student

Established	Setup By	Semester	Program
12/23/2015	Hartman, Virginia	Fall 2015	Certificate in
03/19/2016	Hartman, Virginia	Spring 2016	Certificate in

Return To Student List View

Return to... Plans For Test Student

Switch to... Notes For Test Student

Edit Personalized Learning Plan For Test Student 1234567 (Enrolled Active Student)
Fall 2015 : Certificate in Office Systems Assistant

Click To Toggle Panel: Competencies For Test Student 1234567

Competencies

Domain	Subdomain	Competency	Does the student believe they have attained this competency?	Work on attaining this competency this semester?	Do faculty verify attainment of this competency?
Technical Skills	Document Production	Format documents using generally accepted business practices	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Skills	Document Production	Efficiently create business correspondence using advanced formatting features.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Technical Skills	Proofreading and Editing Skills	Demonstrate proficiency in proofreading and editing skills, including grammar, spelling, sentence structure, and punctuation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Skills	Proofreading and Editing Skills	Compose clearly written business correspondence using correct grammar, punctuation, and sentence construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Skills	Proofreading and Editing Skills	Write business letters, reports, and memorandums following correct format and creating a good impression on the reader	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Skills	Proofreading and Editing Skills	Edit business manuscripts using the revision symbols used by professional editors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Skills	Database and Records Management	Research and discuss records management need for maintaining records and recorded information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Skills	Database and Records Management	Develop skills in using the systems and procedures required in the information cycle	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Skills	Database and Records Management	Apply the principles of filing as they apply to records management systems	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Technical Skills	Database and Records Management	Apply problem solving skills to select appropriate technology involved in records	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Return To Student List View Return to... Plans For Test Student Switch to... Notes For Test Student

Return To Student List View Return to... Plans For Test Student Switch to... Notes For Test Student

Edit Personalized Learning Plan For Test Student 1234567 (Enrolled Active Student)
 Fall 2015 : Certificate in Office Systems Assistant

Edit Personalized Learning Plan For Test Student 1234567 (Enrolled Active Student)
 Fall 2015 : Certificate in Office Systems Assistant

Click To Toggle Panel: Competencies For Test Student 1234567

Click To Toggle Panel: Competencies For Test Student 1234567

Click To Toggle Panel: Semester Milestones For Test Student 1234567

Click To Toggle Panel: Semester Milestones For Test Student 1234567

Semester Milestones

Milestone 1: How will you know you are on track with the start of the semester?

Submit VoiceBoard introduction with reply from Faculty Mentor of successful completion. Submit Learning Log Week 1 (to be submitted each week) identifying progress and questions with reply from Faculty Mentor of successful receipt and additional explanation or instruction for completion of competencies (as needed).

Milestone 2: When you reach the halfway point in your plan, what

Completion of Technical Skills: Database Management Core Administration/Business competencies.

Milestone 3: How will you know that you have met your goals for

Successful completion of competencies of Domains, SubDomains

Click To Toggle Panel: Weekly Momentum Points For Test Student 1234567

Weekly Momentum Points

What do you plan to do each week to ensure that you are on track with your educational activities?

Week	Planning Educational Activity
1:	Submission of VoiceBoard and reply from Faculty Mentor of successful receipt. Submission of Learning Log (weekly Learning Logs to be submitted) detailing progress and questions/comments with reply from Faculty Mentor of successful receipt and additional instructions for completion of competencies (as needed)
2:	Begin competencies for Technical Skills, Database Management. Submit weekly learning log.
3:	Complete Module 1 of Technical Skills, Database Management.
4:	Module 1 of Technical Skills, Database Management.
5:	Module 2 of Technical Skills, Database Management.
6:	Module 2 of Technical Skills, Database Management.
7:	Module 2 of Technical Skills, Database Management.
8:	Module 3 of Technical Skills, Database Management.
9:	Module 3 of Technical Skills, Database Management.

knowledge 2work personalized learning plan

Return To Student List View

Switch to... Learning Plans For Test Student

Click To Toggle Panel: Enter New Note For Test Student 1234567

Enter New Note For Test Student

Spring 2016

Most current/active Semester selected by default.

Momentum point week 1

Momentum point week 1 content from their Plan for the Semester you selected:

Contact Professor to identify competencies and direct assessments required. Begin working on competencies. Weekly contact with Professor.

Save Note For Test Student

Bold border fields are required.

Test Student current Milestones and Momentum Points in the Plan for Semester selected

Milestone 1 (Start semester)

Contact Professor of Record to identify direct assessments and competencies required for the semester. Starting the competencies as assigned.

Milestone 2 (Mid semester)

Complete at least half of the competencies required.

Milestone 3 (End semester)

Complete all competencies with an 80% or better score.

Momentum Point Week 1

Contact Professor to identify competencies and direct assessments required. Begin working on

ALL Personalized Learning Plan Notes For Test Student 1234567 (Enrolled Active Student)

Note Type	Recorded	By	Semester	Note
Coach case notes	03/21/2016 12:01 PM	Fishback, Pam	Spring 2016	I contacted Sample on 3/18/16 she reports that she is still working on completing the assignments for the last class AST 230 for her two certificates and while she is feeling a little overloaded she is pushing through to complete the work and is staying focused. She does not need anything from me at this time.
Momentum point week 6	03/19/2016 3:03 PM	Hartman, Virginia	Spring 2016	Sample is still working on Project 2. She will need another week or so, but she reports that she will still be able to complete all six projects before end of semester. She had no questions in our weekly discussion via email.
Momentum point week 4	03/19/2016 3:00 PM	Hartman, Virginia	Spring 2016	Sample is back on track and has completed her Prezi Project No. 1 earning an 80% or higher on the Direct Assessment. (actual score 93%). She has completed her weekly check in with me (throughout the month of February), and we have identified areas for clarification on future direct assessment project competencies. Sample is doing well. She is now ready to begin Project 2 competencies (Research Report/Survey Monkey/Excel Analysis Charting/Analysis Report).
Momentum point week 3	03/19/2016 2:55 PM	Hartman, Virginia	Spring 2016	Sample is not going to finish this as intended. She needs another week or so. She is doing OK, just some personal responsibilities have curtailed her time to work on the projects.



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Competency Based Education Extended Transcript

Date Issued: 04/06/2016 4:41 PM
 Name: Student, Test
 Student ID: 1234567

Programs

Catalog	Program Code	Program Name
15-16	OSA.CERT	Certificate in Office Systems Assistant

Certificate in Office Systems Assistant

Fall 2015 (2154)

New Educational Activity Completed

Competency Domain	Competency SubDomain	Competency Name	Mark
Technical Skills	Document Production	Format documents using generally accepted business practices	Pass
Technical Skills	Database and Records Management	Research and discuss records management need for maintaining records and recorded information	Pass
Technical Skills	Database and Records Management	Develop skills in using the systems and procedures required in the information cycle	Pass
Technical Skills	Database and Records Management	Apply the principles of filing as they apply to records management systems	Pass
Technical Skills	Database and Records Management	Apply problem solving skills to select appropriate technology involved in records management specialized functions	Pass
Interpersonal Skills	Develop the knowledge, skills, and understanding to make informed academic, social, personal, career, and interpersonal decision	Maintain high standards for quality work and responsiveness in providing office administrative services	Pass
Interpersonal Skills	Select career goals with thought and care, value work and the benefits it brings, and adjust to the inevitable changes in the working world.	Apply new technical and business information/knowledge to practical use on the job	Pass

Prior Competency Verified

Competency Domain	Competency SubDomain	Competency Name	Mark
Technical Skills	Proofreading and Editing Skills	Demonstrate proficiency in proofreading and editing skills, including grammar, spelling, sentence structure, and punctuation	Pass
Technical Skills	Proofreading and Editing Skills	Compose clearly written business correspondence using correct grammar, punctuation, and sentence construction	Pass
Technical Skills	Proofreading and Editing Skills	Write business letters, reports, and memorandums following correct format and creating a good impression on the reader	Pass

Technical Skills	Proofreading and Editing Skills	Edit business manuscripts using the revision symbols used by professional editors	Pass
Interpersonal Skills	Develop the knowledge, skills, and understanding to make informed academic, social, personal, career, and interpersonal decision	Display high standards of ethical conduct and behaviors	Pass
Interpersonal Skills	Develop the knowledge, skills, and understanding to make informed academic, social, personal, career, and interpersonal decision	Pursue appropriate learning activities contributing to lifelong professional growth	Pass
Office Administration Procedures & Theory/Business	Constantly Changing Workplace/Business	Describe the environment of business in the United States	Pass
Office Administration Procedures & Theory/Business	Constantly Changing Workplace/Business	Identify the role of organization in the achievement of business goals	Pass
Office Administration Procedures & Theory/Business	Constantly Changing Workplace/Business	Determine the role of automation in achieving a firm's objectives	Pass
Office Administration Procedures & Theory/Business	Constantly Changing Workplace/Business	Explore the fundamentals of small business	Pass
Office Administration Procedures & Theory/Business	Constantly Changing Workplace/Business	Explore the realm of international business	Pass
Other Program Requirements		College Composition I (ENG 111) Competencies	Pass
Other Program Requirements		Approved Social/Behavioral Science Elective Competencies	Pass
Other Program Requirements		Introduction to Business (BUS 100) Competencies	Pass
Other Program Requirements		Orientation to Virtual Assistance (SDV 101) Competencies	Pass
Other Program Requirements		Introduction to Mathematics (MTH 120) Competencies	Pass

New Educational Activity Verified Course Credit Equivalence

Course	Course Description	Total Competencies	Verified	% Verified	Course Credit	Credit Equivalency
AST 234	Records and Database Management	4	4	100.0%	3	3.0
AST 206	Professional Development	24	2	8.3%	3	0.2
AST 102	Keyboarding II	1	1	100.0%	3	3.0

Prior Competency Verified Course Credit Equivalence

Course	Course Description	Total Competencies	Verified	% Verified	Course Credit	Credit Equivalency
SDV 101	College Success Skills	11	1	9.1%	1	0.0
PSY 120	Human Relations	1	1	100.0%	3	3.0
MTH 120	Introduction to Mathematics	1	1	100.0%	3	3.0
ENG 111	College Composition I	2	2	100.0%	3	3.0
BUS 100	Introduction to Business	7	7	100.0%	3	3.0
AST 206	Professional Development	24	2	8.3%	3	0.2
AST 107	Editing and Proofreading Skills	4	4	100.0%	3	3.0

Spring 2016 (2162)

New Educational Activity Completed

- Nothing to Report -

Transcript Key

Accreditation

Lord Fairfax Community College, herein referred as LFCC, is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACSCOC) to award associate degrees. The Commission on Colleges is located at 1866 Southern Lane, Decatur, Georgia 30033-4097 and can be reached at 404-679-4500.

Competency-Based Education

LFCC grants degrees and certificates based on an individual's demonstration of competencies. Competencies for every degree and certificate were developed by faculty in the discipline and are aligned with national competency frameworks from organizations such as the American Health Information Management Association and the Association for Computing Machinery. The competencies represent the knowledge, skills, and abilities considered essential for effective performance as a graduate of the particular degree or certificate program.

Domains and Subdomains (Areas of Study)

Each degree or certificate program is comprised of a number of domains (areas of study) and, in some cases, subdomains that further classify the competencies. Students must meet all competency requirements for their academic program.

Programs

The Programs section lists all competency-based education programs the student has pursued at LFCC. Each program semester is reported as outlined below.

Program Semester Reporting

New Educational Activity Completed: Reports any competencies identified and attained within the semester they are reported in.

Prior Competency Verified: Reports any competencies verified by faculty within the semester they are reported in.

New Educational Activity Verified Course Credit Equivalence: Summarizes course credit equivalencies for all new educational activity.

Prior Competency Verified Course Credit Equivalence: Summarizes course credit equivalencies for all prior competencies verified.

Grading System (Mark)

Transcripts include only verified competencies, including those from new educational activity and those from prior attainment.

A "Pass" mark certifies successful completion of a competency. The student has demonstrated the required competency by passing assessments with a **grade equivalent of B or 3.00 grade points on a 4.0 scale**. An "Exceptional Pass" mark certifies successful completion of a competency with a **grade equivalent of A or 4.00 grade points on a 4.0 scale**. "Exception Pass" was implemented as a mark starting in spring 2016.

Release of Information

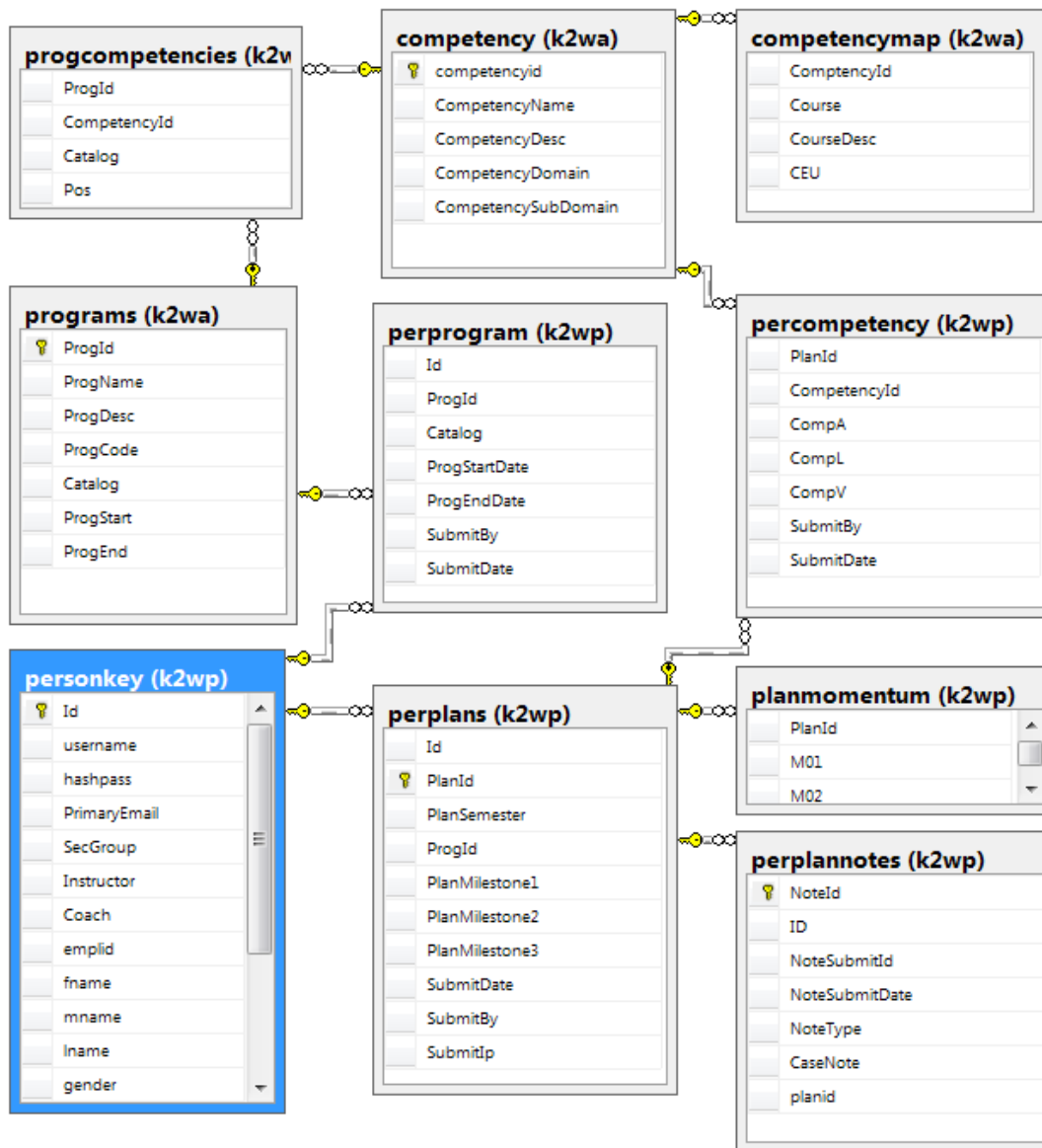
In compliance with the Family Education Rights and Privacy Act of 1974 (PL93-380), this information is released on the condition that the recipient *"will not permit any other party to have access to such information without the written consent of the student."*

To resolve questions of interpretation or for further information, please contact the Lord Fairfax Community College Admissions and Records Office. Middletown Campus, 540-868-7105, Toll free: 1-800-906-5322, Ext. 7105, Fax: 540-868-7005. Fauquier Campus, 540-351-1510, Fax: 540-351-1530.

ALTERATION OF THIS DOCUMENT MAY BE A CRIMINAL OFFENSE!



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United States



- 1) Personkey contains basic bio info on faculty, staff, students, coaches
- 2) Every student can have one or more perprograms from the list of programs
- 3) Every student will have one perplan per semester
- 4) Competency sets for perplans are driven by their perprogram's program. Each program has a set of competency relationships in progcompetency.
- 5) In the work unpacking courses we retained that info to map competency frameworks back to course structures in competencymap.
- 6) Regular and substantive is met by milestones in perplans, planmomentum points, and perplannotes.

Knowledge to Work – Contact information



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Knowledge to Work (K2W):

A Portal for Competencies and Individualized Learning

Lord Fairfax Community College (LFCC)

173 Skirmisher Lane

Middletown, VA 22645-1745

KnowledgeToWork.com

HigherEd.org

LFCC.edu



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