

Illinois Community College Board

NEW UNITS OF INSTRUCTION

The Illinois Community College Board is requested to approve new units of instruction for the following community colleges:

RECOMMENDED ACTION

It is recommended that the following motion be adopted:

PERMANENT PROGRAM APPROVAL

Illinois Valley Community College

- Cybersecurity Associate of Applied Science (A.A.S.) degree (60 credit hours)

Prairie State College

- Dental Assisting Certificate (41 credit hours)

BACKGROUND

Illinois Valley Community College

Cybersecurity A.A.S. degree (60 credit hours)

Program Purpose: The program will prepare individuals for entry-level employment in the field of IT/Cybersecurity.

Catalog Description: The Cybersecurity program awards an Associate of Applied Science (A.A.S.) degree designed to prepare students to enter the workforce in the cybersecurity industry. The curriculum is designed to give the students many hands-on experiences to prepare them for tasks that they will encounter in their careers. In order to provide students with more competitive skills for the job market, students in the Cybersecurity programs are encouraged to earn industry recognized certifications such as Security+ while attending Illinois Valley Community College. After graduation, students can seek career opportunities in the cybersecurity field or further their education.

Curricular Information: The degree program requires 16 credit hours of general education coursework and 44 credit hours of required career and technical education coursework, which includes work-based learning. Career and technical coursework includes instruction in orientation to the IT profession, network administration I and II, core networking technologies, network routing, Microsoft Office Professional I, Unix Operating systems, comprehensive Windows, digital forensics, ethical hacking, managing information security, Security+, cybersecurity scripting, PC troubleshooting, upgrade and repair, and a required internship in cybersecurity. The program will also prepare students for optional Security+ certification through CompTIA. Assessment of student learning will be achieved through evaluation of the student's performance during their work-based learning experience and through a comprehensive simulation exam.

Justification for Credit hours required for the degree: NA.

Agenda Item #6.1
January 18, 2019

Accrediting Information: Program accreditation is not required, however the curriculum was developed to include preparation for Security+ certification, an industry credential highly valued by local IT employers.

Supporting Labor Market Data (including employer partners): Labor market information provided by the college supports the interest in and the need for a two-year degree program in this field of study. According to the Illinois Department of Employment Security (IDES), overall growth in employment of network and information security-related occupations is expected to increase by nearly 23% statewide through 2026.

Table 1: Employer Partners

Employers	Location
Carus Chemical Corporation	LaSalle, IL
Del Monte Foods Corporation	Mendota, IL
Marquis Energy	Hennepin, IL
LMK Technologies	Ottawa, IL
Computer Spa	Ottawa, IL
Connecting Point	Peru, IL
Starved Rock Country Software Solutions	Oglesby, IL
Test Point II Technologies	Wyanet, IL
Financial Plus Credit Union	Ottawa, IL
Eureka Savings Bank	LaSalle, IL
Illinois Valley Community Hospital	Peru, IL
OSF Healthcare	Ottawa, IL
Perry Memorial Hospital	Princeton, IL
Ottawa Township High School	Ottawa, IL
LaSalle-Peru Township High School	LaSalle, IL
LaSalle Peru Area Career Center	LaSalle, IL
Starved Rock Assoc. for Vocation & Tech Ed	LaSalle, IL
Hometown National Bank	LaSalle, IL
Heartland Bank & Trust Company	Princeton, IL

Table 2: Projected Enrollments

Cybersecurity AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	5	8	10
Part-Time Enrollments:	2	3	4
Completions:	0	5	8

Financial / Budgetary Information: One (1) new full-time and one (1) existing full-time faculty will be necessary to implement the program. Full-time faculty qualifications are a Bachelor's degree in Information Technology, three years of work experience specifically related to cybersecurity, and one year teaching experience preferred. All facilities are adequately in place to support the program. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$51,000	\$54,840	\$54,840
Administrator Costs	0	0	0

Agenda Item #6.1
January 18, 2019

Other Personnel Costs	0	0	0
Equipment Costs	0	0	0
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (specify)	0	0	0
TOTAL NEW COSTS	\$51,000	\$54,840	\$54,840

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>
New Faculty	1	0	0	1	0	1
Existing Faculty	1	0	2	0	2	1

Prairie State College

Dental Assisting Certificate (41 credit hours)

Program Purpose: The program will prepare individuals for entry-level employment as dental assistants in a variety of dental service settings and for taking the Dental Assisting National Board (DANB) certification examination.

Catalog Description: The dental assisting program will prepare students with skills necessary to perform a variety of tasks required to provide quality care in the field of dentistry such as handling of dental materials, exposing radiographs, treatment room and patient preparation and performing office management skills. Clinical internships are completed off-campus at area dental offices under the supervision of dentists and dental assistants. Upon completion of the program, students will be eligible to take the Dental Assisting National Board (DANB) examination.

Curricular Information: The certificate program requires nine (9) credit hours of general education coursework and 32 credit hours of required career and technical education coursework, which includes work-based learning. Career and technical coursework includes instruction in introductory dental assisting, chairside dental assisting, dental radiology, related dental sciences, dental materials for the dental assistant, dental materials-expanded functions, dental specialties, dental office management, and a required clinical practicum. The program was developed according to standards set forth by the Commission on Dental Accreditation (CODA) and will prepare graduates for credentialing as a Certified Dental Assistant. Assessment of student learning will be achieved through evaluation of the student's performance during their work-based learning experience. The proposed program will also serve as an entry-point for students interested in pursuing further education in dental hygiene. All of the general education coursework (three courses/nine credit hours) and some of the dental assisting coursework (two courses/eight credit hours) from the proposed curriculum articulate towards the college's existing Dental Hygiene AAS degree.

Justification for Credit hours required for the degree: The curriculum was designed to include all the technical skills requirements for program accreditation and to prepare students for their National Board examination. The credit hour range for accredited dental assisting programs in Illinois is between 39-49 credit hours.

Accrediting Information: Program accreditation is not required, however the curriculum was developed according to the Commission on Dental Accreditation (CODA) standards and the college will be seeking accreditation upon completion of the charter cohort.

Agenda Item #6.1
January 18, 2019

Supporting Labor Market Data (including employer partners): Labor market information provided by the college supports the interest in and the need for a certificate program in this field of study. According to the Illinois Department of Employment Security (IDES), overall growth in employment of dental assistants is expected to increase by 8.8% statewide through 2026. Currently, there are only five (5) CODA accredited dental assisting programs offered through community colleges in Illinois, with the closest college being over 60 miles away. Local employers have expressed strong support of a formalized training program through the college.

Table 1: Employer Partners

Employers	Location
Dr. Brent Stanford, DDS	Chicago Heights, IL
The Heart That Smiles Mobile Dentist	Hazel Crest, IL
Jagmin Dental Clinic	Chicago Heights, IL
Dr. Edward Ruiz, DDS	Homewood, IL
Anthony Llardo, DDS	Palos Heights, IL
Kevin Patterson, DDS	Riverdale, IL

Table 2: Projected Enrollments

Dental Assisting	First Year	Second Year	Third Year
Full-Time Enrollments:	20	20	20
Part-Time Enrollments:	0	0	0
Completions:	15	17	17

Financial / Budgetary Information: Two (2) new full-time and one (1) new part-time faculty will be necessary to implement the program during the first year. Full-time faculty qualifications are a Bachelor's degree in a related dental science-related field, DANB Certified DA or DH, three years of work experience, and one year teaching experience preferred. All facilities are adequately in place; however some new equipment will be purchased to support the program. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$125,000	\$125,000	\$125,000
Administrator Costs	0	0	0
Other Personnel Costs	0	0	0
Equipment Costs	\$45,000	\$45,000	\$45,000
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (Accreditation fees)	\$16,850	\$1,970	\$1,970
TOTAL NEW COSTS	\$186,850	\$146,970	\$146,970

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>
New Faculty	2	1	0	1	0	0
Existing Faculty	0	0	2	1	2	2

Agenda Item #6.1
January 18, 2019

INFORMATION ITEM – BASIC CERTIFICATE PROGRAM APPROVAL

Following is a list of Basic Certificates (less than 29 credit hours) that have been approved on behalf of the Illinois Community College Board by the President/CEO since the last Board meeting:

Permanent Program Approval

Illinois Valley Community College

- Cybersecurity Certificate (21 credit hours)