

Washtenaw Community College

Program Discontinuation Form

| | | |
|----------------------------|--|----------------------------------|
| Program Code: CTFIS | Program Name: Foundations of Information Systems | Effective Term: Fall 2023 |
| Division Code: CSIT | Department: Computer Science and Information Technology | |

Directions: Complete all information below.

Rationale for discontinuation:

There is currently only one student who has this program declared. Completion rates of this program are very low and employment opportunities very limited with this certificate. The request to discontinue this program is being made to align with overall department strategies to offer certificates and degrees that can lead to employment and/or an industry credential. The department is continuously cleaning up programs based on program review outcomes. The program was recently reviewed and the decision to phase out this certificate was made based on those program review findings.

Describe the discontinuation, transition and course phase-out plan. Please include the number of currently enrolled students.

At present there is one student who has declared this program pathway. The plan is to contact this student to see if they are still pursuing this certificate and if not they can declare another program of study. All courses within this certificate are still offered each semester so if this student does decide to stick with this certificate they can finish before the certificate is discontinued in Fall of 2023. No formal teach out plan is needed since the courses are still offered each semester allowing this one student to complete.

List departments using this program and the date they were notified of the planned discontinuation.

CSIT 4/1/2022

Signatures:

| Reviewer | Print Name | Signature | Date |
|-----------------------------|--------------|---------------------|------------|
| Initiator | Scott Shaper | Scott Shaper | 04/01/2022 |
| Department Chair | Scott Shaper | Scott Shaper | 04/01/2022 |
| Division Dean/Administrator | Eva Samulski | <i>Eva Samulski</i> | 04/01/2022 |

Please submit completed form to the Office of Curriculum and Assessment (SC 257) or by e-mail to curriculum.assessment@wccnet.edu

Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.

| Reviewer | Print Name | Signature | Date |
|--------------------------------|------------------|-------------------|----------|
| Curriculum Committee Chair | Randy Van Wagnen | R Van Wagnen | 4-19-22 |
| Vice President for Instruction | Kimberly Hurns | <i>Kim Hurns</i> | 5/6/2022 |
| President | Rose B. Bellanca | <i>R Bellanca</i> | 5/9/22 |

Do not write in shaded area. Entered in: Banner C&A Database Log File Board Approval

Reviewed by C&A Committees 4/14/22

Program Information Report

Science, Computer Technology, Engineering & Math

Foundations of Information Systems (CTFIS)

Certificate

Program Effective Term: Fall 2021

High Skill Occupation High Wage Occupation

The Foundations of Information Systems certificate provides a conceptual framework for those students wishing to become a professional in computer information systems or computer programming. The student will be introduced to computer science programming logic, as well as developing algorithms to solve programming problems. In addition, students will acquire an understanding of the impact of information systems and information technology on the business, industrial, and other environments in which they will work as programmers or analysts.

Continuing Eligibility Requirements:

Students must maintain a minimum GPA of 2.0 or better.

| Major/Area Requirements | | (9 credits) |
|--------------------------------|--|--------------------|
| CIS 110 | Introduction to Computer Information Systems | 3 |
| CIS 120 | Linux/UNIX I: Fundamentals | 3 |
| CPS 120 | Introduction to Computer Science | 3 |

Minimum Credits Required for the Program: **9**

PROGRAM PROPOSAL FORM

- Preliminary Approval** – Check here when using this form for preliminary approval of a program proposal, and respond to the items in general terms.
- Final Approval** – Check here when completing this form after the Vice President for Instruction has given preliminary approval to a program proposal. For final approval, complete information must be provided for each item.

| | | |
|--|---|---|
| Program Name: | <u>Foundations of Information Systems</u> | Program Code: <u>CTFIS</u> ✓ CIP Code: _____ |
| Division and Department: | <u>BCT - CISD</u> | |
| Type of Award: | <input type="checkbox"/> AA <input type="checkbox"/> AS <input type="checkbox"/> AAS <input checked="" type="checkbox"/> Cert. <input type="checkbox"/> Adv. Cert. <input type="checkbox"/> Post-Assoc. Cert. <input type="checkbox"/> Cert. of Comp. | |
| Effective Term/Year: | <u>200901</u> | |
| Initiator: | <u>Clarence Hasselbach and Neil Gudsen</u> | |
| Program Features Program's purpose and its goals. Criteria for entry into the program, along with projected enrollment figures. Connection to other WCC programs, as well as accrediting agencies or professional organizations. Special features of the program. | This program is part of an effort by the CIS Department to consolidate and streamline academic programs for academic year 2009-10. It supports proposed advanced certificates in C++ Programming and Programming in Java. The program consists of courses totaling 9 credit hours and replaces the Foundations of Computer Programming Certificate (12 credit hours). | |
| Need Need for the program with evidence to support the stated need. | "Research from Robert Half International and others suggests that not only will IT salaries increase slightly in 2009, but also that IT professionals with key skills could find themselves in demand The professional staffing and consulting firm estimates that IT salaries could increase by about 3.7 percent next year...." Source: CIO Magazine, October 24, 2008 http://www.cio.com/article/456568/IT_Salaries_Expected_to_Rise_in_ | |
| Program Outcomes/Assessment State the knowledge to be gained, skills to be learned, and attitudes to be developed by students in the program. Include assessment methods that will be used to determine the effectiveness of the program. | <u>Outcomes</u> | <u>Assessment method</u> |
| | 1. Identify and apply the principles behind computer systems that support decision making, transaction processing and collaboration in business environments. | Common departmentally created final exam. |
| | 2. Upon completion of this program, students will be able to develop simple algorithms to use in solving certain problems. | Common departmentally created final exam. |
| | 3. Upon completion of this program, students will be able to work with binary numbering systems, Boolean logic, and logic gates as they relate to the processing of data in computing systems. | Common departmentally created final exam. |
| | 4. Use databases to manage and organize information. | Common departmentally created final exam. |

Please return completed form to the Office of Curriculum & Assessment and email an electronic copy to sjohn@wccnet.edu for posting on the website.

| <p>Curriculum</p> <p>List the courses in the program as they should appear in the catalog. List minimum credits required. Include any notes that should appear below the course list.</p> | <p>Major/Area Requirements (9 Credits)</p> <table border="1"> <tr> <td>CIS 110</td> <td>Introduction to Computer Information Systems</td> <td>3</td> </tr> <tr> <td>CPS 120</td> <td>Introduction to Computer Science</td> <td>3</td> </tr> <tr> <td>CIS 121</td> <td>Linux/UNIX I: Fundamentals</td> <td>3</td> </tr> </table> <p>Minimum Credits Required for the Program: 9 Credits</p> | | | CIS 110 | Introduction to Computer Information Systems | 3 | CPS 120 | Introduction to Computer Science | 3 | CIS 121 | Linux/UNIX I: Fundamentals | 3 | | | | | | | | | | | | |
|--|--|---------------|--|---------|--|---------------|----------------|----------------------------------|--------------|------------------------|----------------------------|--------------|----------------------------|--------------|--------------|-----------------------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|
| CIS 110 | Introduction to Computer Information Systems | 3 | | | | | | | | | | | | | | | | | | | | | | |
| CPS 120 | Introduction to Computer Science | 3 | | | | | | | | | | | | | | | | | | | | | | |
| CIS 121 | Linux/UNIX I: Fundamentals | 3 | | | | | | | | | | | | | | | | | | | | | | |
| <p>Budget</p> <p>Specify program costs in the following areas, per academic year:</p> | <table border="1"> <thead> <tr> <th></th> <th>START-UP COSTS</th> <th>ONGOING COSTS</th> </tr> </thead> <tbody> <tr> <td>Faculty</td> <td>No new costs</td> <td>No new costs</td> </tr> <tr> <td>Training/Travel</td> <td>No new costs</td> <td>No new costs</td> </tr> <tr> <td>Materials/Resources</td> <td>No new costs</td> <td>No new costs</td> </tr> <tr> <td>Facilities/Equipment</td> <td>No new costs</td> <td>No new costs</td> </tr> <tr> <td>Other</td> <td>No new costs</td> <td>No new costs</td> </tr> <tr> <td>TOTALS:</td> <td>No new costs</td> <td>No new costs</td> </tr> </tbody> </table> | | | | START-UP COSTS | ONGOING COSTS | Faculty | No new costs | No new costs | Training/Travel | No new costs | No new costs | Materials/Resources | No new costs | No new costs | Facilities/Equipment | No new costs | No new costs | Other | No new costs | No new costs | TOTALS: | No new costs | No new costs |
| | START-UP COSTS | ONGOING COSTS | | | | | | | | | | | | | | | | | | | | | | |
| Faculty | No new costs | No new costs | | | | | | | | | | | | | | | | | | | | | | |
| Training/Travel | No new costs | No new costs | | | | | | | | | | | | | | | | | | | | | | |
| Materials/Resources | No new costs | No new costs | | | | | | | | | | | | | | | | | | | | | | |
| Facilities/Equipment | No new costs | No new costs | | | | | | | | | | | | | | | | | | | | | | |
| Other | No new costs | No new costs | | | | | | | | | | | | | | | | | | | | | | |
| TOTALS: | No new costs | No new costs | | | | | | | | | | | | | | | | | | | | | | |
| <p>Program Description for Catalog and Web site</p> | <p>Description:</p> <p>The Foundations of Information Systems Certificate provides a conceptual framework for those students wishing to become a professional in computer information systems or computer programming. The student will be introduced to computer science programming logic, as well as developing algorithms to solve programming problems. In addition, students will acquire an understanding of the impact of information systems and information technology on the business, industrial, and other environments in which they will work as programmers or analysts.</p> | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Program Information</p> | <p>Accreditation/Licensure - None</p> <p>Advisors – Clarence Hasselbach, Khaled Mansour</p> <p>Advisory Committee - CIS Advisory Committee</p> <p>Admission requirements - College level Reading and Writing</p> <p>Articulation agreements - Eastern Michigan University in progress</p> <p>Continuing eligibility requirements - 2.0 grade point average</p> | | | | | | | | | | | | | | | | | | | | | | | |

Assessment plan:

| Program outcomes to be assessed | Assessment tool | When assessment will take place | Courses/other populations | Number students to be assessed |
|--|---|--------------------------------------|-----------------------------------|--------------------------------|
| 1. Identify and apply the principles behind computer systems that support decision making, transaction processing and collaboration in business environments. | Common departmentally created final exam. | Fall 2011 and then every three years | Minimum of one section of CPS 120 | Random selection (min. 20). |
| 2. Upon completion of this program, students will be able to develop simple algorithms to use in solving certain problems. | Common departmentally created final exam. | Fall 2011 and then every three years | Minimum of one section of CPS 120 | Random selection (min. 20). |
| 3. Upon completion of this program, students will be able to work with binary numbering systems, Boolean logic, and logic gates as they relate to the processing of data in computing systems. | Common departmentally created final exam. | Fall 2011 and then every three years | Minimum of one section of CPS 120 | Random selection (min. 20). |
| 4. Use databases to manage and organize information. | Common departmentally created final exam. | Fall 2011 and then every three years | Minimum of one section of CPS 120 | Random selection (min. 20). |

Scoring and analysis plan:

1. Indicate how the above assessment(s) will be scored and evaluated (e.g. departmentally developed rubric, external evaluation, other). Attach the rubric.

Departmentally developed rubric. See attached.

2. Indicate the standard of success to be used for this assessment.

At least 75% of students must score at least 70% or better on all learning outcome evaluations.

3. Indicate who will score and analyze the data.

Assessment materials will be analyzed by the CIS Department.

4. Explain how and when the assessment results will be used for program improvement.

The department will review the program if the standard of success is not met.

| REVIEWER | PRINT NAME | SIGNATURE | DATE |
|---|---------------------|---------------------|------------|
| Department Chair/ Area Director | Clarence Hasselbach | Clarence Hasselbach | 11/24/2008 |
| Dean | Rosemary Wilson | Rosemary Wilson | 11/25/08 |
| Vice President for Instruction <input type="checkbox"/> Approved for Development <input checked="" type="checkbox"/> Final Approval | Roger M. Palay | Roger M. Palay | 12/22/08 |
| President | Larry Whitworth | Larry Whitworth | 4/28/09 |
| Board Approval | | | 04/28/09 |

Logged 11/26/08 s/jc 1/6/09 for
 Office of Curriculum & Assessment

Program Information Report

School of Information Technology

The School of Information Technology gathers the diverse areas that make up the computer technology of today. From basic programming languages to systems development through networking, these programs provide the core of information technology. Develop skills in computer forensics or learn how to run a successful e-business, the growing field of applied information technology is waiting for you.

Washtenaw Community College offers programs at several levels for students who want to begin new careers, or advance in their existing careers. The first level is the certificate, which can vary from nine to thirty-six credits, depending on the field. Certificates generally prepare students for entry-level jobs.

After completing a certificate, students can progress to the next level, the advanced certificate. The credit hours required for these programs also vary. This type of certificate provides a more specialized level of skill development, and often allows students to upgrade their positions at their places of employment.

The next level, an Associate in Applied Science, is available for some programs. For some career fields, it is possible to earn a certificate, advanced certificate, and an Associate in Applied Science degree in the same field. In these cases, the credit hours from the certificate and advanced certificate can be applied to the credit hours needed for the Associate in Applied Science degree.

Alternatively, students can earn an AAS in Occupational Studies by completing a certificate, advanced certificate and General Education requirements.

Programming

Learn the foundation of computer programming or specialize in a programming language through these programs.

Foundations of Information Systems (CTFIS)

Certificate

Program Effective Term: Fall 2009

The Foundations of Information Systems certificate provides a conceptual framework for those students wishing to become a professional in computer information systems or computer programming. The student will be introduced to computer science programming logic, as well as developing algorithms to solve programming problems. In addition, students will acquire an understanding of the impact of information systems and information technology on the business, industrial, and other environments in which they will work as programmers or analysts.

Continuing Eligibility Requirements:

Students must maintain a minimum 2.0 GPA.

| Major/Area Requirements | | (9 Credits) |
|-------------------------|--|-------------|
| CIS 110 | Introduction to Computer Information Systems | 3 |
| CIS 121 | Linux/UNIX I: Fundamentals | 3 |
| CPS 120 | Introduction to Computer Science | 3 |

Minimum Credits Required for the Program: 9

Foundations of Information Systems Certificate

Program requirements shown below are for catalog year: 2009-2010

Description:

The Foundations of Information Systems Certificate provides a conceptual framework for those students wishing to become a professional in computer information systems or computer programming. The student will be introduced to computer science programming logic, as well as developing algorithms to solve programming problems. In addition, students will acquire an understanding of the impact of information systems and information technology on the business, industrial, and other environments in which they will work as programmers or analysts.

Contact Information:

Division: Business and Computer Technologies
School: School of Information Technology
Department: Computer Instruction
Advisors: Khaled Mansour, Clarence Hasselbach

Admission Requirements:

Students must have an Academic Math Level of 4.

Major/Area Requirements

(9 Credits)

| | | |
|----------------|--|---|
| <u>CIS 110</u> | Introduction to Computer Information Systems | 3 |
| <u>CPS 120</u> | Introduction to Computer Science | 3 |
| <u>CIS 121</u> | Linux/UNIX I: Fundamentals | 3 |

Minimum Credits Required for the Program:

9 Credits