



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:

05/11/2022

Institution

Moberly Area Community College

Site Information

Implementation Date:

1/17/2023 12:00:00 AM

Added Site(s):

Selected Site(s):

Columbia Higher Education Center, 601 Business Loop 70 West, Suite 216, Columbia, MO, 65203

CIP Information

CIP Code:

110101

CIP Description:

A general program that focuses on computing, computer science, and information science and systems. Such programs are undifferentiated as to title and content and are not to be confused with specific programs in computer science, information science, or related support services.

CIP Program Title:

Computer and Information Sciences, Gerieral

Institution Program Title:

Computer Science

Degree Level/Type

Degree Level:

Associate Degree

Degree Type:

Associate of Science

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Hybrid

Student Preparation

Special Admissions Procedure or Student Qualifications required:

No special procedures or student qualifications will be required.



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Specific Population Characteristics to be served:

n/a

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

Master's degree required. Teaching experience preferred.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

>60% of required courses will be taught by full-time faculty.

Expectations for professional activities, special student contact, teaching/learning innovation:

N/A

Student Enrollment Projections Year One-Five

Year 1	Full Time: 15	Part Time: 3	
Year 2	Full Time: 20	Part Time: 5	
Year 3	Full Time: 25	Part Time: 7	Number of Graduates: 20
Year 4	Full Time: 30	Part Time: 9	
Year 5	Full Time: 35	Part Time: 11	Number of Graduates: 28

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

MACC is accredited by the Higher Learning Commission. Specialized accreditation does not apply.

Program Structure

Total Credits:

60

Residency Requirements:

Completion of 15 college-level courses at MACC

General Education Total Credits:

33

Major Requirements Total Credits:

21

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
ITC125	3	Object Oriented Programming
ITC220	3	Programming II
ITC120	3	Programming I

Free Elective Credits:

6



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Internship or other Capstone Experience:

N/A

Assurances

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

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HOLLERAN

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Associate of Science – Computer Science

Name: _____ ID#: _____ Date: _____

Taken	Course	Semester	Hours
		First Semester	
	LAL101	Composition I	3
	MTH201	Analytic Geometry & Calculus I	5
	PHY121	General Chemistry I or other appropriate science	4-5
	ITC120	Programming I	3
			15-16
		Second Semester	
	LAL102	Composition II	3
	MTH202	Analytic Geometry & Calculus II	5
	PHY122	General Chemistry II or other appropriate science	4-5
	ITC220	Programming II	3
			15-16
		Third Semester	
	HST/PSC	American History to 1865/American History from 1865/American Gov't	3
	ITC	Computer Science Elective	3
	ITC	Computer Science Elective	3
	MTH	Math Elective (Discrete highly recommended)	3-5
	ITC125	Object Oriented Programming I	3
			15-17
		Fourth Semester	
		Humanities Elective (PHI151 or PHI152 recommended)	3
		Directed Elective **	3
	ITC	Computer Science Elective	3
	ITC	Computer Science Elective	3
	ECN	Macroeconomics/Microeconomics	3
			15
		Minimum Required Hours for Degree	60

Science Electives: PHY121 General Chemistry I, PHY122 General Chemistry II, PHY181 General Physics I, PHY182 General Physics II, PHY201 Engineering Physics I, PHY202 Engineering Physics II, BIO155 General Biology for Majors I, BIO160 General Biology for Majors II.

Math Electives: MTH160 Statistics, MTH165 Finite Math, MTH??? Discrete Math (once this is developed), MTH203 Analytic Geometry and Calculus III.

Computer Science Electives: ITC130 Introduction to Networks, ITC145 Web Design I, ITC150 Linux Admin I, ITC243 Object Oriented Programming-Java, ITC244 Object Oriented Programming II: C#, ITC247 Python Programming ITC255 Cybersecurity.

**The Direct Elective can be any course from the science, math or computer science electives.