



COMPUTER INFORMATION SCIENCE TRANSFER AND ARTICULATION AGREEMENT
MISSOURI SOUTHERN STATE UNIVERSITY
AND OZARKS TECHNICAL COMMUNITY COLLEGE

Purpose

This agreement is to facilitate the transfer of students between the Ozarks Technical Community College two programs:

- the Associate of Science in Computer Science Program and
- the Associate of Science in Information Technology and

the Missouri Southern State University Bachelor of Science in CIS-Information Technology Program (CI04).

Agreement

The agreed upon courses taken at Ozarks Technical Community College and Missouri Southern State University are identified in the two 2+2 Transfer Guide addendums.

Duration, Notice of Change and Cancellation

This agreement is for a period of 6 years effective Fall 2024 through Summer 2030 and will be re-evaluated at the end of this period.

Program requirements may change with catalog updates.

Either institution may cancel this agreement by notifying the other no less than one academic year before the indented date of change or cancellation.

ATTEST:

Ozarks Technical Community College

DocuSigned by:
Tiffany Ford
11A883FE507E438...
Department Chair

DocuSigned by:
Tracy McGrady
FE71C3E952924B9...
Provost

April 15, 2024

Date

Missouri Southern State University

Wanda Wilson
Department Chair

Lisa Stoms
Provost/Vice President for Academic Affairs

4/24/2024
Date

CIS 250	Database and Query	3
ITI 107	Computer and Network Hardware	4
CIS 101	Technology and Digital Literacy	3
CIS 120	Intro to Computer Programming	3
ITI 108	Operating Systems & Hardware	4
BUS 140	Business Communications	3

*CIS 308	Website Administration I	3
CIS 310	Database Management Systems I	transfer
CIS 315	Computer Networks	transfer
*CIS 340	Website Administration II	3
*CIS 350	Data Structures	3
*CIS 410	Information Systems II	3
*CIS 425	Database Management Systems II	3
	Total Hours	18
Professional Electives Requirements		
Title	Cr Hrs	
Choose a total of 12 credit hours of upper division courses.		
Elective Options:		
*CIS 385 Mobile Application Development– 3 cr hrs		
*CIS 395 App Development for IOS Devices– 3 cr hrs		
*CIS 325 Windows Lan Administration– 3 cr hrs		
*CIS 345 UNIX System Admin – 3 cr hrs		
*CIS 355 Enterprise Network Adm. and Security– 3 cr hrs		
*CIS 405 Cryptography & .NET Security– 3 cr hrs		
*CIS 440 Computer Forensics I – 3 cr hrs		
*CIS 445 Computer Forensics II – 3 cr hrs		
*CIS 298 Topics in Computer Information Science– 3 cr hrs		
*CIS 498 Advanced Topics in Computer Information Science– 1-3 cr hrs		
*CIS 491 Internship in Computer Information – 1-3 cr hrs Science (at most 6 cr hours may be CIS 491).		
*CIS 499 Independent Study– 1-3 cr hrs		
	Total Hours	12*

ACC 220	Principles of Accounting I	3
MTH 210	Statistical Methods	3
MTH 130 College Algebra		3
CIS 201	Computer Apps for Business	3
ACC 225	Managerial Accounting	3

Supporting Requirements		
CRS	Title	Cr Hrs
CIS 240	Python Programming	3
CIS 390*	Introduction to Big Data Analytics	3
Acct 201	Financial Accounting	transfer
Math 310	Elementary Statistics	transfer
Choose from one: Math 130 College Algebra Math 135 Trigonometry Math 140 Algebra & Trigonometry Math 150 Calculus		transfer
IET 105	Professional Skills	3
IET 230	Excel/Visio Applications	transfer
IET 235	PowerBI	1
IET 301*	Project Mgmt Fundamentals & Appl.	3
Acct 202 Managerial Accounting		transfer
Total Hours		13

*Upper Division Credit

Grey cells = offered online

Orange cells = offered on a rotating day/evening schedule

Total Hours at OTC

67

Transferring to MSSU:

- Apply to MSSU.
- Send official Transcripts.

Apply for the MSSU Foundation Scholarships

Summary Hours	
Additional General Education Core 42 Requirements	17
Institutional Requirement	0
CIS Core Requirements	18
CIS Professional Electives	12
CIS Supporting Requirements	13
Upper Division General Elective	3
Total Hours at MSSU	63
Total Hours OTC and MSSU	130
Refer to course catalog for details on courses and graduation requirements.	

**Addendum B - Ozark Technical Community College and Missouri Southern State University
 OTC's AS Computer Science - MSSU's BS Computer Science-Information Technology, CI04
 2 + 2 Transfer Guide**

Ozarks Technical Community College Associate of Science in Computer Science: 62 cr hrs		
General Education Core 42 Requirements		
Area	Title	Cr Hrs
Social and Behavioral Sciences	Choose one: HST 120 U.S. History I: to 1865 HST 130 U.S. History II: 1865–present PLS 101 American Government and Policies	3
Written Communication	ENG 101 Composition 1	3
Oral Communication	COM 105 Public Speaking or COM 100 Intro to Communication or COM 200 Interpersonal Communication	3
Natural Sciences	PHY 220 Physics Engs & Scient. I or PHY 120 General Physics I -	4-5
Natural sciences	BIO 160 General Biology I	4
Mathematics	MTH 140 Analytic Geometry & Calc I	8
	Choose One:	
	MTH 141 Analytic Geometry & Calc II	
	MTH 214 Discrete Mathematics	
	Total Hours	25

Missouri Southern State University Bachelor of Science in CIS-Information Technology (CI04): 65 cr hrs		
Additional General Education Core 42 Requirements		
Area	Title	Cr Hrs
Area 1A	Social Sciences	6
Area 1B	Civic Engagement	transfer
Area 2A	Written Communication: Engl 102 College Composition II	3
Area 2B	Oral Communication	transfer
Area 3A	Natural Science Non-Lab	transfer
Area 3B	Natural science With Lab	transfer
Area 4	Mathematics	transfer
Area 5A	Humanities	6
Area 5B	Fine Arts	3
*Area 5C	Global Competencies, choose UD	3
Area 5D	Health and Wellness	2
	Total Hours in addition to OTC gen ed hours	23

AS – Computer Science Core Requirements		
CRS	Title	Cr Hrs
CIS 170 CIS 150	Choose One: Java Programming I or C# Programming I	3

CIS Core Requirements		
CRS	Title	Cr Hrs
CIS 110	Programming I	transfer
CIS 202	Information Systems I	Waive

MTH-210	Six Hours of Related Credit Option: choose MTH-210 Statistical Methods	
	Total Hours	37

Acct 201	Financial Accounting	3
*Math 310	Elementary Statistics	transfer
Choose one from: Math 130 College Algebra Math 135 Trigonometry Math 140 Algebra & Trigonometry Math 150 Calculus		transfer
IET 105	Professional Skills	3
IET 230	Excel/Visio Applications	2
IET 235	PowerBI	1
*IET 301	Project Mgmt Fundamentals & Appl.	3
Choose one (Upper Division) from: *GB 301 Legal Environment of Business I *IET 350 Industrial Supervision		3
	Total Hours	18

*Upper Division Credit

Grey cells = available online

Orange cells = available day/evening on a rotating schedule

Total Hours at OTC **62**

Transferring to MSSU:

- Apply to MSSU.
- Send official Transcripts.

Apply for the MSSU Foundation Scholarships

Summary Hours	
Additional General Education Core 42 Requirements	23
Institutional Requirement	0
CIS Core Requirements	9
CIS Professional Electives (Upper Division)	12
CIS Supporting Requirements	18
Upper Division General Elective	6
	Total Hours at MSSU
	68
	Total Hours (OTC and MSSU)
	130
Refer to course catalog for details on courses and graduation requirements.	

Certificate Of Completion

Envelope Id: D1C0E9AE63D14024B889F48BBF6AB252

Status: Completed

Subject: Complete with DocuSign: 2024 Articulation Agreements OTC AS.CSC, AS.IT to MSSU CIS.docx

Source Envelope:

Document Pages: 8

Signatures: 2

Certificate Pages: 5

Initials: 0

AutoNav: Enabled

Envelope Stamping: Enabled

Time Zone: (UTC-06:00) Central Time (US & Canada)

Envelope Originator:

RENEE GRAVES

1001 E. Chestnut Expy

Springfield, MO 65802

gravesr@otc.edu

IP Address: 198.209.162.85

Record Tracking

Status: Original

4/15/2024 7:57:10 AM

Holder: RENEE GRAVES

gravesr@otc.edu

Location: DocuSign

Signer Events

TIFFANY FORD

fordt@otc.edu

Security Level: Email, Account Authentication (None)

Signature

DocuSigned by:
TIFFANY FORD
11A883FE567E436...

Signature Adoption: Pre-selected Style

Using IP Address: 198.209.162.117

Timestamp

Sent: 4/15/2024 7:59:21 AM

Viewed: 4/15/2024 8:17:06 AM

Signed: 4/15/2024 8:17:28 AM

Electronic Record and Signature Disclosure:

Accepted: 9/20/2022 12:26:33 PM

ID: 12e19874-3203-44e7-85cb-58e66ebf551f

Tracy McGrady

m McGradyt@otc.edu

Security Level: Email, Account Authentication (None)

DocuSigned by:
Tracy McGrady
FE71C3E95292489...

Signature Adoption: Pre-selected Style

Using IP Address: 198.209.162.241

Sent: 4/15/2024 7:59:21 AM

Viewed: 4/15/2024 8:03:52 AM

Signed: 4/15/2024 8:04:07 AM

Electronic Record and Signature Disclosure:

Accepted: 4/15/2024 8:03:52 AM

ID: cd8e1dd9-0b65-4717-9f51-4d9d09a608ed

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Witness Events

Signature

Timestamp

Notary Events

Signature

Timestamp

Envelope Summary Events

Status

Timestamps

Envelope Sent

Hashed/Encrypted

4/15/2024 7:59:21 AM

Certified Delivered

Security Checked

4/15/2024 8:03:52 AM

Envelope Summary Events	Status	Timestamps
Signing Complete	Security Checked	4/15/2024 8:04:07 AM
Completed	Security Checked	4/15/2024 8:17:28 AM

Payment Events	Status	Timestamps
-----------------------	---------------	-------------------

Electronic Record and Signature Disclosure

CONSUMER DISCLOSURE

From time to time, SHI OBO Ozarks Technical Community College - Main (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign, Inc. (DocuSign) electronic signing system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to these terms and conditions, please confirm your agreement by clicking the 'I agree' button at the bottom of this document.

Getting paper copies

At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after signing session and, if you elect to create a DocuSign signer account, you may access them for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a \$0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. To indicate to us that you are changing your mind, you must withdraw your consent using the DocuSign 'Withdraw Consent' form on the signing page of a DocuSign envelope instead of signing it. This will indicate to us that you have withdrawn your consent to receive required notices and disclosures electronically from us and you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact SHI OBO Ozarks Technical Community College - Main:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: docusignadmin@otc.edu

To advise SHI OBO Ozarks Technical Community College - Main of your new e-mail address

To let us know of a change in your e-mail address where we should send notices and disclosures electronically to you, you must send an email message to us at docusignadmin@otc.edu and in the body of such request you must state: your previous e-mail address, your new e-mail address. We do not require any other information from you to change your email address..

In addition, you must notify DocuSign, Inc. to arrange for your new email address to be reflected in your DocuSign account by following the process for changing e-mail in the DocuSign system.

To request paper copies from SHI OBO Ozarks Technical Community College - Main

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an e-mail to docusignadmin@otc.edu and in the body of such request you must state your e-mail address, full name, US Postal address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with SHI OBO Ozarks Technical Community College - Main

To inform us that you no longer want to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your DocuSign session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an e-mail to docusignadmin@otc.edu and in the body of such request you must state your e-mail, full name, US Postal Address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

Operating Systems:	Windows® 2000, Windows® XP, Windows Vista®; Mac OS® X
Browsers:	Final release versions of Internet Explorer® 6.0 or above (Windows only); Mozilla Firefox 2.0 or above (Windows and Mac); Safari™ 3.0 or above (Mac only)
PDF Reader:	Acrobat® or similar software may be required to view and print PDF files