

Council of Chief Academic Officers

October 18, 2017
Jefferson City, MO

Agenda

- Welcome and introductions
- Approval of July minutes
- Core curriculum presentation
- Core curriculum discussion
- Announcements
- Adjournment

Background

- HB 2651 introduced; later attached to SB 997
- SB 997 TAFP; signed into law
- CAOs nominate for CCAO; MDHE select
 - Face-to-face meetings; committee of the whole
 - Workgroups (work remotely between meetings)
 - Communications
 - Humanities & Fine Arts
 - Life & Physical Sciences
 - Mathematics (Math Pathways Task Force)
 - Social & Behavioral Sciences
 - Workgroups identify courses; provide descriptions
- Drafts vetted by CCAO; discuss with MCCA & COPHE

Core Curriculum Advisory Committee (CCAC)

- One representative from each public IHE
 - Majority faculty
 - CAOs nominated three people
 - MDHE select for representation among disciplines
- Members include
 - Dean of Academic Affairs (2YP)
 - Associate Dean—Arts and Sciences (4YP)
 - Director of General Education (4YP)
 - Director of Interdisciplinary Studies (4YP)
 - Dean of Instruction (2YP)
 - Associate Vice Provost (4YP)

Higher Education Core Curriculum Transfer Act: Key Provisions

- Recommended lower division core curriculum of 42 semester credit hours
- Common course numbering equivalency matrix
- All IHEs adopt 42 block; include matrix in catalog
- 42-hour block transfers to all public IHEs
 - No additional general education courses
- Students receive credit for completed courses
 - Fulfill major and degree requirements
- Appeals process
- Evaluation of transfer practices

Legislation vs. Statute

HB 2651 (introduced)

- "Core curriculum", the curriculum in mathematics, English, communications, humanities, biological and physical science, social science, and computer technology that all undergraduate students of a public institution of higher education are required to complete before receiving an academic degree
- at least forty-two semester credit hours"
- common course numbering system

RSMo 178.785-789

- **"Core curriculum", the basic competencies to be met, which shall include communicating, higher-order thinking, managing information, valuing, and includes the knowledge areas of social and behavioral sciences, humanities and fine arts, mathematics, and life and physical sciences;**
- **forty-two semester credit hours**
- common course numbering **equivalency matrix**
- **Not apply to native students or professional programs**

Primary Objectives

- Simplify transfer for students
- No “lost” or “wasted” credits
- 42-hour block transfers to all public IHEs
- Courses transfer one-to-one

Conceptual Framework

- All general education curricula are equivalent
- Framework identified in statute
 - Five knowledge areas and four competencies
- Competencies achieved through whole curriculum
- Competencies/knowledge areas not limited only to ones listed
 - Written/oral communication and civics essential

Purpose of General Education

- 1) general education is an expression of an institution's autonomy and uniqueness; and
- 2) the reciprocity of general education programs transferring between institutions.

Challenges

- Conceptual Challenges/Limits of Language
 - One general education curriculum for all?
 - One for transfer, another for native students?
 - Professional programs?
- Technical Challenges
 - Credit hour discrepancies
 - Lab and non-lab courses in Sciences
 - Foreign Languages
- How to “land” on 42 credit hours?

FRAMEWORK

SAMPLE TEMPLATE

FORTY-TWO CREDIT HOUR BLOCK

COMMUNICATING, HIGHER-ORDER THINKING, MANAGING INFORMATION, VALUING

SOCIAL & BEHAVIORAL SCIENCES	HUMANITIES & FINE ARTS	MATHEMATICS	LIFE & PHYSICAL SCIENCES	COMMUNICATIONS
___ CREDIT HOURS	___ CREDIT HOURS	___ CREDIT HOURS	___ CREDIT HOURS	___ CREDIT HOURS

PSCYCHOLOGY
SOCIOLOGY
POLITICAL SCIENCE
ANTHROPOLOGY
HISTORY
ECONOMICS
GEOGRAPHY

LITERATURE
ART
PHILOSOPHY
FOREIGN LANGUAGES
MUSIC
RELIGION

ALGEBRA
STATISTICS
PRE-CALCULUS
CALCULUS
TRIGONOMETRY

BIOLOGY
BOTANY
GEOLOGY
CHEMISTRY
PHYSICS

COMPOSITION
PUBLIC SPEAKING

Draft Framework, v. 1.0 (March)

Recommended Lower-Division Core Curriculum 42 Semester Credit Hours

Valuing, Managing Information, Communicating, Higher-Order Thinking, U.S. and Missouri Constitution and American history shall be fulfilled in any of these knowledge areas.

Social and Behavioral Sciences	Communications	Life and Physical Sciences	Mathematics	Humanities and Fine Arts
At least 9 credit hours	At least 9 credit hours	At least 6 credit hours	At least 3 credit hours	At least 9 credit hours
From at least two disciplines.	At least three credit hours in written and three credit hours in an oral communications course.	From at least two disciplines, one of which must have an associated lab component.	From any of the following math pathways including STEM, Mathematical Reasoning and Modeling, and Statistical Reasoning.	From at least two disciplines.

The remaining six credit hours are to be allocated in fulfillment of the above knowledge areas and competencies.

Draft Framework, v. 2.0 (May)

RECOMMENDED 42-CREDIT HOUR, LOWER-DIVISION COMMON CURRICULUM (DRAFT)

The competencies of Valuing, Managing Information, Communicating, and Higher-Order Thinking are addressed in each course listed below.

Social and Behavioral Sciences		Communications	Life Sciences, Physical Sciences, and Mathematical Sciences	Humanities and Fine Arts
3 credit hours (U.S./Missouri History/Constitution)	9 credit hours	9 credit hours	12 credit hours, with at least 3 credits from each column	9 credit hours

INITIAL LIST OF SPECIFIC COURSES THAT MAY BE INCLUDED IN THE 42-HOUR BLOCK (THIS IS NOT AN EXHAUSTIVE LIST)

American Government	Abnormal Psychology	Creative Writing	Anatomy & Physiology I	Business Mathematics	American Literature I
United States History I	Anthropology	English Composition I	Anatomy & Physiology II	Calculus I	American Literature II
United States History II	Geography	English Composition II	Astronomy	Calculus II	Art Appreciation
	Macroeconomics	Public Speaking	Biology (majors)	Calculus III	British Literature
	Microeconomics		Biology (non-majors)	College Algebra	Ceramics
	Intro to Psychology		Biology, General	Mathematics Modeling	Drawing I
	Intro to Sociology		Chemistry I (non-majors)	Pre-Calculus	Ethics
			Chemistry II (non-majors)	Statistics	French I
			Chemistry I (majors)		French II
			Chemistry II (majors)		Music Appreciation
			Geology		Philosophy
			Physics I		Spanish I
			Physics II		Spanish II
			Physics I (lab)		Theater Appreciation
			Physics II (lab)		Western Civilization
					World Religion

Draft Framework, 3.0 (July) & 3.1 (September)

Missouri Higher Education Transfer Core Curriculum

The Missouri Higher Education Transfer Core Curriculum is a statewide general education course of study intended to ensure that all graduates possess a common core of college-level skills and knowledge. The Missouri Higher Education Transfer Core Curriculum specifies the basic competencies and knowledge areas that all students completing degrees at a Missouri public institution of higher education must complete.

Basic Competencies

Students obtain the basic competencies of Valuing, Managing Information, Communicating, and Higher-Order Thinking through completion of the Core Curriculum as a whole.

Knowledge Areas

Social and Behavioral Sciences		Communications		Natural Sciences and Mathematical Sciences		Humanities and Fine Arts	Additional Requirements
9 credit hours total		9 credit hours total		9 credit hours total 10 credit hours total		9 credit hours total	6 credit hours total 5 credit hours total
6	3	6	3	7	3	9	5

Draft Framework for Core Transfer Curriculum

Knowledge Areas							
Social and Behavioral Sciences		Communications		Natural Sciences and Mathematical Sciences		Humanities and Fine Arts	Additional Requirements
9 credit hours total		9 credit hours total		10 credit hours total		9 credit hours total	5 credit hours total
6	3	6	3	7	3	9	5
From at least two disciplines	History/constitution requirement	Written	Oral	From at least two disciplines, one of which must have an associated lab component.	Mathematics	From at least two disciplines.	Any course that has a MOTR transfer number.

Concerns

- Interpretation of statute
- Not fulfilling Legislative intent
- Dictating curriculum to IHEs
- Limit course offerings
- “work arounds”

Missouri Higher Education Transfer Core Curriculum

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General education is the curricular foundation of Missouri institutions of higher learning. It equips students with the intellectual tools, knowledge, and creative capabilities to engage in today's globally interconnected and rapidly changing world. Regardless of major, career plans, or personal goals, all Missouri graduates should excel in the essential skills of oral and written communication, critical thinking, information management and quantitative and qualitative analysis. Through general education, Missouri institutions foster student success in their specialized areas of study and toward rewarding lives as educated persons, active citizens, and effective contributors to their own prosperity and to the general welfare of the world in which they live.

Basic Competencies

Students obtain the basic competencies of Valuing, Managing Information, Communicating, and Higher-Order Thinking through completion of the Core Curriculum as a whole.

Valuing

The development of students' ability to understand the moral and ethical values of a diverse society; To recognize how values develop, how value judgments influence actions, and how informed decision-making can be improved through the consideration of personal values as well as the values of others; and the ability to analyze the ethical implications of actions and decisions.

Managing Information

The development of students' abilities to locate, organize, store, retrieve, evaluate, synthesize, and annotate information from print, electronic, and other sources in preparation for solving problems and making informed decisions.

Communicating

The development of students' ability to effectively communicate through oral, written, and digital channels using the English language, quantitative, and other symbolic systems. Students should be able to write and speak with thoughtfulness, clarity, coherence, and persuasiveness; read and listen critically; and select channels appropriate to the audience/message.

Higher Order Thinking

The development of students' ability to distinguish among opinions, facts, and inferences; to identify underlying or implicit assumptions; to make informed judgments; to solve problems by applying evaluative standards; and demonstrate the ability to reflect upon and refine those problem-solving skills.

Social and Behavioral Sciences

6 credit hours total, from at least two disciplines.

MOTR Course Number	MOTR Course Title	Credits	Course Description
MOTR ECON 101	Introduction to Macroeconomics	3	Introductory survey of economic principles relating to the economy as a whole.
MOTR ECON 102	Introduction to Microeconomics	3	Introductory survey of economic principles relating to individuals, firms and markets.
MOTR SOCI 100	General Sociology	3	Introductory survey of the scientific study of human society to include critical and empirical analysis of human interactions and cultures within groups and social organizations.
MOTR PSYC 100	General Psychology	3	Introductory survey of the scientific study of individual behavior and the application of psychological science.
MOTR PSYC 200	Life Span Human Development	3	Introductory survey of the scientific study of the interacting biological, psychological, and social/environmental factors that influence physical, cognitive, and socio-emotional human development across the life span
MOTR POSC 101	American Government	3	Introductory survey of American and Missouri government constitutions, institutions, politics, and processes. Meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.
MOTR HIST 101	American History I	3	Introductory survey of the early history of the United States from the period of discovery of America by Europe to 1877. Meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.
MOTR HIST 102	American History II	3	Introductory survey of United States history from 1877 to the present. Meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.

History/Constitution requirement

3 credit hours total

These courses also count toward fulfillment of the Social & Behavioral Sciences requirement.

MOTR Course Number	MOTR Course Title	Credits	Course Description
MOTR POSC 101	American Government	3	Introductory survey of American and Missouri government constitutions, institutions, politics, and processes. Meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.
MOTR HIST 101	American History I	3	Introductory survey of the early history of the United States from the period of discovery of America by Europe to 1877. Meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.
MOTR HIST 102	American History II	3	Introductory survey of United States history from 1877 to the present. Meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.

Written Communications			
6 credit hours total			
MOTR Course Number	MOTR Course Title	Credits	Course Description
MOTR ENGL 1000	Composition I	3	In Composition I, students develop critical reading and writing processes through a series of essays that culminate in a research-supported assignment. Additionally, students learn to integrate expert and academic source material and consider a variety of specific audiences as they practice developing and supporting claims. Rhetorical sensitivity and argumentation are refined as tools essential to convincing a modern, educated audience.
MOTR ENGL 2000	English Composition II	3	Composition II continues the development of the writing skills established in Composition I. Typically, this course has an increased emphasis on writing to expert and academic audiences and introduces the ideas and patterns of discipline-specific knowledge, research, and writing techniques.
MOTR ENGL 2100	Writing in the Disciplines	3	This course addresses the unique and often idiosyncratic writing conventions found in academic and professional disciplines. Advanced English writing skills are developed and refined in a specific context or discipline using the appropriate forms and modalities, organized by the structural and stylistic conventions, and framed to meet the expectations of context-specific audiences. Application areas include, but are not limited to: business writing, newswriting, writing for biology, chemistry, etc.
MOTR ENGL 2500	Technical Writing	3	Technical Writing focuses on approaches to writing for specific audiences. The content involves critical analysis, information assessment, rhetorical expression, design, and discipline, subject, or task related styles. Specific applications such as business reports and proposals, science abstracts and reports, instruction manuals, brochures, and web sites are addressed.

Oral Communications

3 credit hours total

MOTR Course Number	MOTR Course Title	Credits	Course Description
MOTR COMM 1000	Introduction to Communications	3	Introduces students to the study and practice of communication. This broad-based course addresses application, research, and theory in areas such as interpersonal, intercultural, intrapersonal, mass, mediated, organizational, public address, etc. Students must demonstrate conceptual understanding of the spectrum of content and application in one or more topic areas.
MOTR COMM 1100	Fundamentals of Public Speaking	3	Introduces students to the basic elements of public speaking with an emphasis on the construction, delivery, and evaluation of speeches. Students will learn to research and outline speeches; improve verbal and nonverbal delivery; and to listen critically. Students must present using a range of speech forms and types.
MOTR COMM 1200	Interpersonal Communication	3	Introduces students to theory, research, and practice in the principles of interpersonal communication within a variety of contexts. Representative topics include: perception; self-concept development; verbal and nonverbal communication; effective listening techniques; conflict resolution; and sensitivity to cultural and gender differences. Students must demonstrate conceptual understanding of the content spectrum and application in one or more topic areas.
MOTR COMM 1250	Small Group Communication	3	Focuses on the processes and skills required to effectively engage in small group communication. Topics include group development, group roles, decision-making, leadership, power, and conflict management. The course promotes effectiveness at leading and contributing to small group discussions through skill development and refinement. Skills applicable to small group communication are assessed.
MOTR COMM 2200	Argumentation & Debate	3	This course focuses on the discovery, support, and critical evaluation of intelligent arguments and decisions as well as the exchange and debate of positions taken. Studies include argument, evidence, reasoning, and oral advocacy as well as investigation, research, and critical analysis of claims and establishment of truth through proof. Students develop and refine skills in the construction, delivery, and evaluation of arguments.

Natural Sciences

7 credit hours total, from at least two disciplines, one of which must have an associated lab component.

Essential refers to courses that give an overview of that area but students will not take another course in that field.

Advanced refers to courses that have extensive prerequisites in order to take the course such as calculus and are only for select majors in that area.

MOTR Course Number	MOTR Course Title	Credits	Course Description
	Essential Chemistry (Lab)		
	Chemistry (Lab)		
	Essential Physics (Lab)		
	Physics (Lab)		
	Advanced Physics (Lab)		
	Essential Biology (Lab)		
	Biology (Lab)		
	Essential Human Biology (Lab)		
	Human Biology (Lab)		
	Geology (Lab)		
	Geography (Lab)		
	Astronomy (Lab)		

3 credit hours total

MOTR Course Number	MOTR Course Title	Credits	Course Description
MOTR MATH 100	Pre-Calculus Algebra	3	Pre-Calculus Algebra is intended to prepare students for fields of study that would require a high level of algebraic reasoning or Calculus. Topics include the foundational principles of functions, the analysis of functions and algebraic reasoning.
MOTR MATH 101	Mathematical Reasoning & Modeling	3	Mathematical Reasoning and Modeling is a terminal course in mathematics for students in the humanities. Given the variety of college and career paths falling within the humanities, this course may be customized to fit the student needs for a particular postsecondary institution. The proposed student learning outcomes/objectives form a basic course framework that will be enhanced by including additional outcomes/objectives, as needed. The purpose of this course is to provide a comprehensive overview of the skills required to navigate the mathematical demands of modern life and prepare students for a deeper understanding of information presented in mathematical terms. Emphasis is placed on improving students' ability to draw conclusions, make decisions, and communicate effectively in mathematical situations that depend upon multiple factors. To that end, students will develop
MOTR MATH 102	Statistical Reasoning	3	Statistical Reasoning is a first course in statistics for students whose college and career paths require knowledge of the fundamentals of the collection, analysis and interpretation of data. Topics include the presentation of interpretation of univariate and bivariate data using graphical and numerical methods, probability, discrete and continuous probability distributions, linear regression, an understanding of good practice in study design, statistical inference, confidence intervals and hypothesis testing. Emphasis is placed on the development of statistical thinking, simulation and the use of technology. Students should develop an appreciation of the need for data to make good decisions and an understanding of the dangers inherent in basing decisions on anecdotal evidence rather than data. To that end, students will use appropriate data-collection methods and
MOTR MATH 200	Pre-Calculus	5	

Visual Cues for Students



Missouri
Core



Transfer Curriculum



MOTR

TRANSFER GUARANTEED

CORE TRANSFER CURRICULUM



**AMERICAN GOVERNMENT****MOTR POSC 101**

Introductory survey of American and Missouri government constitutions, institutions, politics, and processes. Meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.

INSTITUTION	COURSE TITLE	COURSE NUMBER	CREDIT HOURS
Harris-Stowe State University	American Government	POSC 0200	3
Lincoln University	American National Government	PSC 201	3
Missouri Southern State University	Govt: US, State and Local	PSC 120	3
Missouri State University	American Government	PLS 101	3
Missouri University of Science & Tech.	American Government	POL SCI 90	3
Missouri Western State University	American National Government	PSC 101	3
Northwest Missouri State Univ.	American Government	POLS 34-102	3
Southeast Missouri State Univ.	U.S. Political Systems	PS 103	3
Truman State University	American Government	POL 161	3
University of Central Missouri	American Government	POLS 1510	3
University of Missouri-Columbia	American Government	POLS 1100	3
University of Missouri-Kansas City	American Government	POL-SCI 210	3
University of Missouri-St. Louis	American Politics	POL SC 1100	3
Crowder College	National, State, Local Govt.	PLSC 103	3
East Central College	US Government 1 (Nat'l & State)	PS 1203	3
Jefferson College	US & MO Govt & Constitution	PSC 102	3
Linn State Technical College	American Government	PSC 101	3
Metropolitan Community College	Intro to American & Nat'l Politics	POLS 136	3
Mineral Area College	American Political Systems	POS 1180	3
Missouri State Univ.-West Plains	American Government	PLS 101	3
Moberly Area Community College	American Government	PSC 105	3
North Central Missouri College	American Government	PL 216	3
Ozarks Technical Comm. College	American Government	PLS 101	3
St. Charles Community College	American Government	POL 101	3
St. Louis Community College	Introduction to American Politics	PSC 101	3
State Fair Community College	American & National Government	POLS 101	3
Three Rivers Community College	National & State Government	GOVT 121	3

AMERICAN GOVERNMENT MOTR POSC 101

Introductory survey of American and Missouri government constitutions, institutions, politics, and processes. Meets instruction (Missouri Revised Statute 170.011.1) in the Constitution of the United States and of the state of Missouri and in American history and institutions.

INSTITUTION	COURSE TITLE	COURSE NUMBER	CREDIT HOURS
Harris-Stowe State University	American Government	POSC 0200	3
Lincoln University	American National Government	PSC 201	3
Missouri Southern State University	Govt: US, State and Local	PSC 120	3
Missouri State University	American Government	PLS 101	3
Missouri University of Science & Tech.	American Government	POL SCI 90	3
Missouri Western State University	American National Government	PSC 101	3
Northwest Missouri State Univ.	American Government	POLS 34-102	3
Southeast Missouri State Univ.	U.S. Political Systems	PS 103	3
Truman State University	American Government	POL 161	3
University of Central Missouri	American Government	POLS 1510	3
University of Missouri-Columbia	American Government	POLS 1100	3
University of Missouri-Kansas City	American Government	POL-SCI 210	3
University of Missouri-St. Louis	American Politics	POL SC 1100	3
Crowder College	National, State, Local Govt.	PLSC 103	3
East Central College	US Government 1 (Nat'l & State)	PS 1203	3
Jefferson College	US & MO Govt & Constitution	PSC 102	3
Linn State Technical College	American Government	PSC 101	3
Metropolitan Community College	Intro to American & Nat'l Politics	POLS 136	3
Mineral Area College	American Political Systems	POS 1180	3
Missouri State Univ.-West Plains	American Government	PLS 101	3
Moberly Area Community College	American Government	PSC 105	3
North Central Missouri College	American Government	PL 216	3
Ozarks Technical Comm. College	American Government	PLS 101	3
St. Charles Community College	American Government	POL 101	3
St. Louis Community College	Introduction to American Politics	PSC 101	3
State Fair Community College	American & National Government	POLS 101	3



Statement of Content and Competencies

MOTR ART 101 courses provide students with the opportunity to acquire knowledge, understanding, and recognition of the universal qualities of art. To this end, formal elements of visual art, principles of design, and art historical contexts that produce art are integral to Art Appreciation courses. Regardless of the emphasis--elements and principles or art historical contexts--by the end of the course students, particularly those with little or no art background, should demonstrate a basic understanding and appreciation of the visual arts. MOTR ART 101 courses contribute to students' development of communicating, higher-order thinking, managing information, and valuing.

Institution	Institution's Course Title	Institution's Course Number
Harris-Stowe State University	Introduction to Art	ART 0150
Lincoln University	Introduction to Art	ART 100
Missouri Southern State University	Art Appreciation	ART 0110
Missouri State University	Art in Context	ART 200
Missouri University of Science & Tech.	Art Appreciation	ART 1180
Missouri Western State University	Introduction to Art	ART 100
Northwest Missouri State University	Art Appreciation	ART 13-102
Southeast Missouri State University	Perspectives in Art	AR 112
Truman State University	Introduction to the Visual Arts	ART 203
University of Central Missouri	Ideas and the Visual Arts	ART 1800
University of Missouri-Columbia	Appreciation of Art	ART_GNRL 1020
University of Missouri-Kansas City	Introduction to the History of Art	ART-HIST 110
University of Missouri-St. Louis	Introduction To Western Art	ART HS 1100
Crowder College	Art Appreciation	ART 101
East Central College	Art Appreciation	AR 1203
Jefferson College	Art Appreciation	ART 101
Metropolitan Community College	Survey of Art	ART 108
Mineral Area College	No Equivalent Course	
Missouri State University-West Plains	Art in Context	ART 200
Moberly Area Community College	Art Survey & Appreciation I	ART 101
North Central Missouri College	Art Appreciation	AR 104
Ozarks Technical Comm. College	Art and Experience	ART 110
St. Charles Community College	Art Appreciation	ART 1001
State Fair Community College	Art Appreciation	ART 101
St. Louis Community College	Art Appreciation	ART 100
Three Rivers Community College	History and Art Appreciation	ARTS 123

TRANSFER PATHWAYS

Transfer Paths



BEST

- Transfer with AA Degree
 - completed all lower-division general education requirements at the receiving institution.



BETTER

- Transfer with 42-Hour Block
 - completed all lower-division general education requirements at a receiving institution.



GOOD

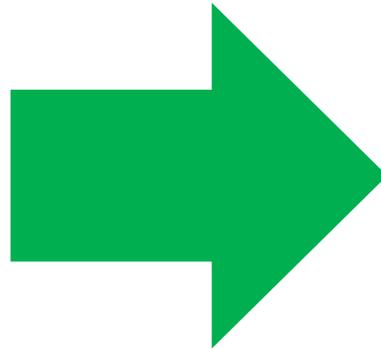
- Transfer of courses
 - receive credit at receiving institution for each core course completed.

Associate of Arts Transfer

**MARK TWAIN
COMMUNITY COLLEGE**



**GENERAL EDUCATION
CORE CURRICULUM**



**SHOW-ME STATE
UNIVERSITY**



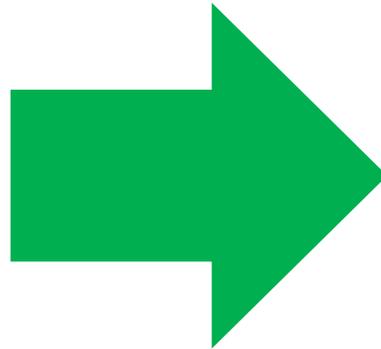
**GENERAL EDUCATION
CORE CURRICULUM**

42-Hour Block Transfer

**MARK TWAIN
COMMUNITY COLLEGE**



**GENERAL EDUCATION
CORE CURRICULUM**



**SHOW-ME STATE
UNIVERSITY**



**GENERAL EDUCATION
CORE CURRICULUM**

COURSES COMPLETED AT MARK TWAIN COMMUNITY COLLEGE

COURSE	CREDITS
U.S. HISTORY TO 1865	3
AMERICAN GOVERNMENT	3
ENGLISH COMPOSITION I	3
ENGLISH COMPOSITION II	3
GENERAL BIOLOGY	4
ART APPRECIATION	3
AMERICAN LITERATURE	3
CHEMISTRY NON-MAJORS	3
COLLEGE ALGEBRA	3

TOTAL CREDITS

28

COURSES ACCEPTED AT SHOW-ME STATE UNIVERSITY

COURSE	CREDITS
AMERICAN HISTORY I	3
INTRO TO GOVERNMENT	3
COLLEGE COMPOSITION I	3
COLLEGE COMPOSITION II	3
INTRO TO BIOLOGY	4
ART APPRECIATION	3
AMERICAN LITERATURE	3
INTRO TO CHEMISTRY	3
COLLEGE ALGEBRA	3

TOTAL CREDITS TRANSFERRED

28

Mary completed the 42-hour block at a public community college, taking the following courses, which she plans to transfer to public university:

	MOTR Course Number	MOTR Course Title	Credit Hours
	MOTR PLSC 101	American Government	3
	MOTR MATH 101	Pre-Calculus Algebra	3
	MOTR COMM 101	English I	3
	MOTR COMM 102	English II	3
	MOTR SOCI 101	General Sociology	3
	MOTR PSYC 101	General Psychology	3
	MOTR COMM 103	Speech Communications	3
	MOTR CHEM 001L	General Chemistry/Lab	4
	MOTR BIOL 101	General Biology	3
	MOTR ART 101	Art Appreciation	3
	MOTR MUSC 101	Music Appreciation	3
	MOTR RELG 101	Introduction to Religion	3
	MOTR HIST 101	U.S. History I	3
	MOTR PHIL 101	Philosophy	3
			43

Basic Competencies

Valuing	Managing Information	Communicating	Higher-order Thinking
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Students obtain these competencies through the completion of the Core Curriculum as a whole.

Knowledge Areas

Social and Behavioral Sciences		Communications		Natural Sciences and Mathematical Sciences		Humanities and Fine Arts	Additional Requirements
9 credit hours total		9 credit hours total		10 credit hours total		9 credit hours total	5 credit hours total
6	3	6	3	7	3	9	5
From at least two disciplines.		Written communication	Oral communication	From at least two disciplines, one of which must have an associated lab component.	Mathematics	From at least two disciplines.	Any course that has a MOTR transfer number.

Courses

Macroeconomics	U.S. Government	English Comp I	Public Speaking	Chemistry I (4)	Precalculus Algebra	Music Appreciation	MOTR Religion
Microeconomics	U.S. History I	English Comp II	Communications	Biology I (3)	Precalculus Trig	Theater Appreciation	MOTR U.S. History I
Sociology	U.S. History II				Mathematical Reasoning	Philosophy	
Psychology					Statistical Reasoning	Ethics	
Anthropology						Art Appreciation	
U.S. Government						Religion	
U.S. History I						Spanish I	
U.S. History II						Spanish II	
						French I	
						French II	
						Foreign Language I	
						Foreign Language II	
						World Civilization	

Mary can transfer 43 credit hours (highlighted above) to any public college or university in Missouri. She has completed all lower-division general education requirements. If any of the highlighted courses are prerequisites for courses in her major, Mary has the prerequisite and the receiving institution cannot require her to take the same course at the receiving institution

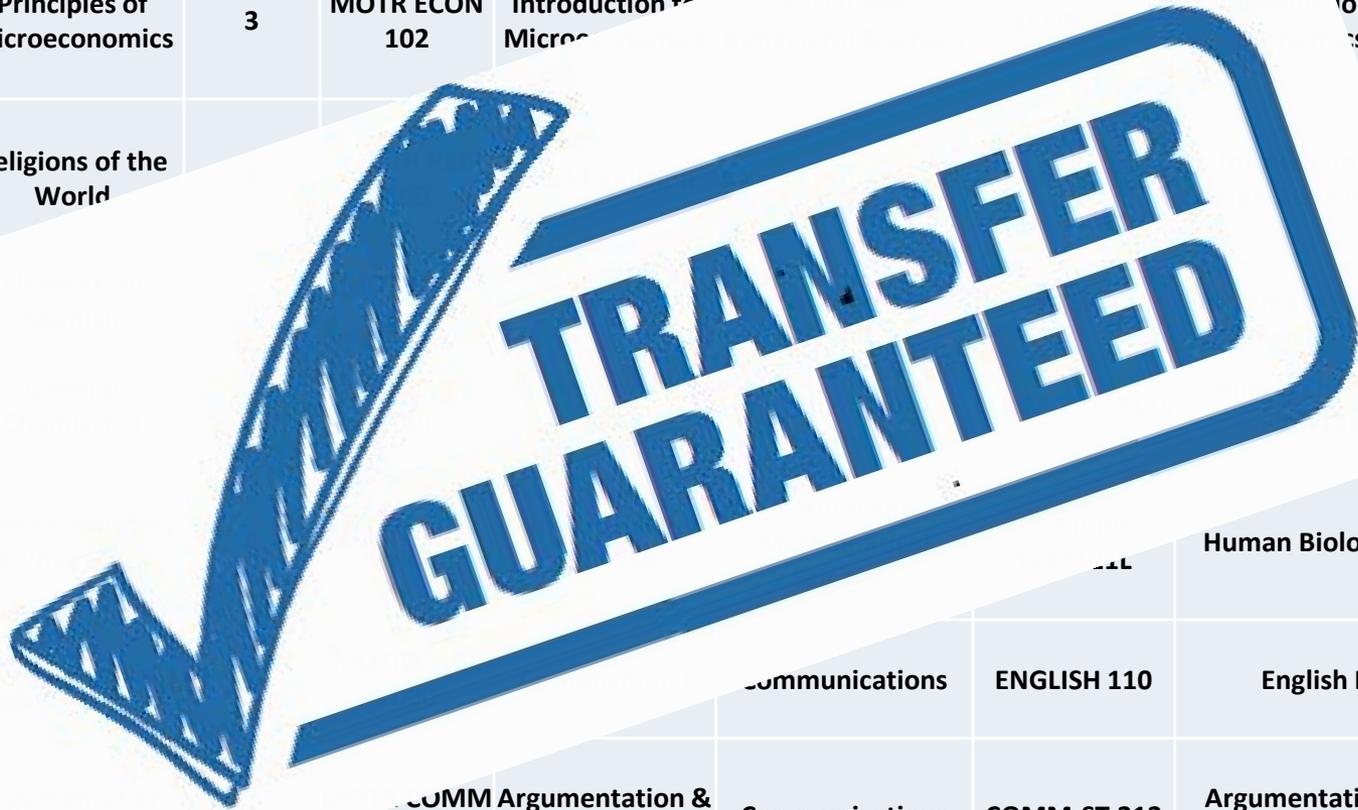
Mary completed the following courses at a public community college. She wants to transfer to a public university and major in Biological Sciences:

	MOTR Course number	IHE course number	MOTR Course Title	Knowledge Area		Credit Hours
	MOTR PS 101	PL 216	American Government	Soc/Behav.		3
	MOTR MT 101	MT 122	Precalculus Algebra	Nat/Math		3
	MOTR EN 101	EN 102	English I	Comm.		3
	MOTR EN 102	EN 110	English II	Comm		3
	MOTR SO 101	SO 107	General Sociology	Soc/Behav.		3
	MOTR PY 101	PY 121	General Psychology	Soc/Behav.		3
	MOTR SP 101	SP 175	Speech Communications	Comm		3
	MOTR CH 101L	CH 110	General Chemistry/Lab	Nat/Math		4
	MOTR BI 101	BI 112	General Biology	Nat/Math		3
	MOTR AR 101	AR 101	Art Appreciation	Hum/Fine Arts		3
	MOTR MU 101	MU 109	Music Appreciation	Hum/Fine Arts		3
	MOTR RL 101	RL 101	Introduction to Religion	Hum/Fine Arts		3
	MOTR HS 101	HS 101	U.S. History I	Hist/Const.		3
						41

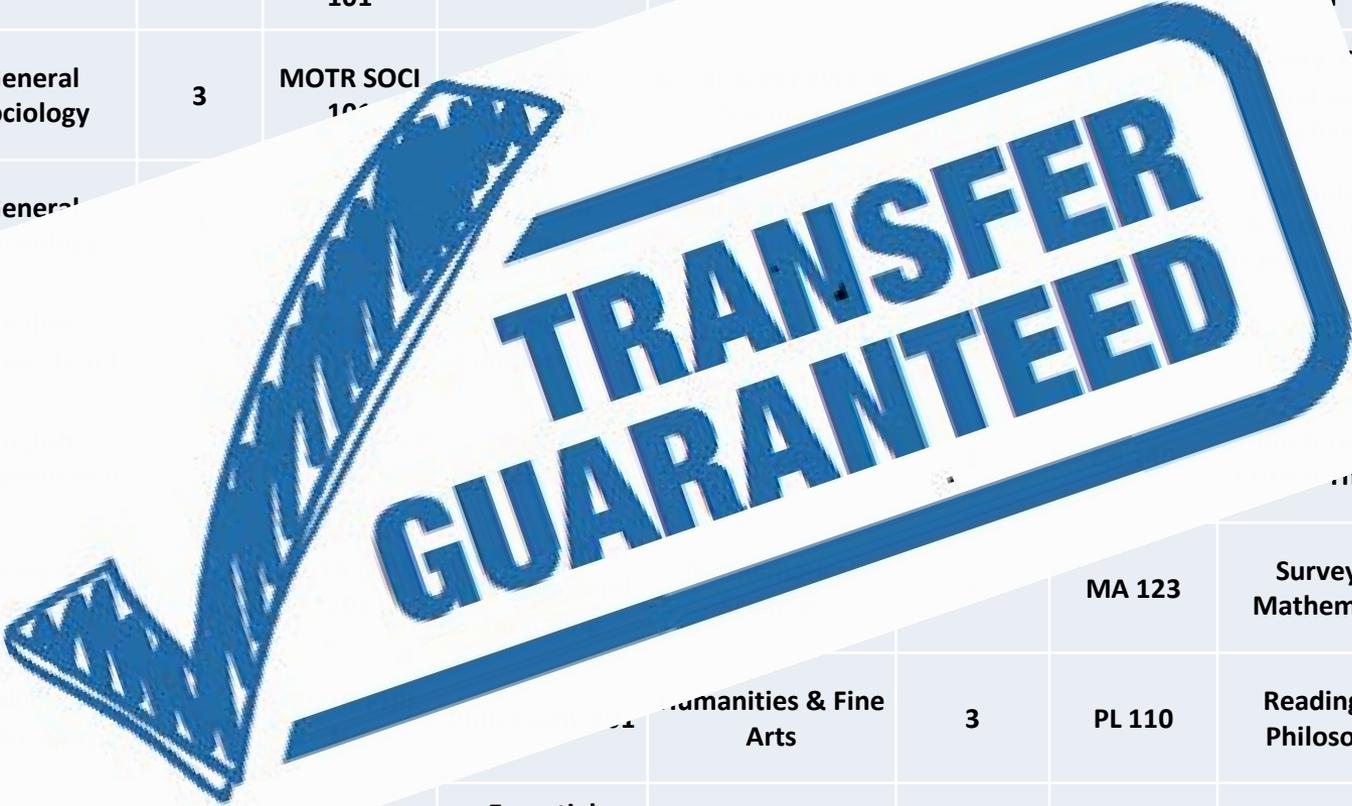
Basic Competencies							
Valuing		Managing Information		Communicating		Higher-order Thinking	
Students obtain these competencies through the completion of the Core Curriculum as a whole.							
Knowledge Areas							
Social and Behavioral Sciences		Communications		Natural Sciences and Mathematical Sciences		Humanities and Fine Arts	Additional Requirements
9 credit hours total		9 credit hours total		10 credit hours total		9 credit hours total	5 credit hours total
6	3	6	3	7	3	9	5
From at least two disciplines.	History/ constitution requirement	Written communication	Oral communication	From at least two disciplines, one of which must have an associated lab component.	Mathematics	From at least two disciplines.	Any course that has a MOTR transfer number.
Courses							
Macroeconomics	U.S. Government	English Comp I	Public Speaking	Chemistry I with Lab (4)	Precalculus Algebra	Music Appreciation	MOTR U.S. Government
Microeconomics	U.S. History I	English Comp II	Communications	Biology I with Lab (4)	Precalculus Trig	Theater Appreciation	MOTR
Sociology	U.S. History II				Mathematical Reasoning	Philosophy	
Psychology					Statistical Reasoning	Ethics	
Anthropology						Art Appreciation	
U.S. Government						Religion	
U.S. History I						Spanish I	
U.S. History II						Spanish II	
						French I	
						French II	
						Foreign Language I	
						Foreign Language II	
						World Civilization	

Mary can transfer 41 credit hours (highlighted above) to any public college or university in Missouri, all of which fulfill general education requirements. She needs two credits to complete the 42-hour block, which she can fulfill by taking any course with the MOTR prefix.

TRC NUMBER	TRC TITLE	Credit Hours earned	MOTR Course Number	MOTR Course Title	Transfer Curriculum Knowledge Area	UMKC Course Number	UMKC Course Title	Credit Hours accepted
SOCI 111	General Sociology	3	MOTR SOCI 100	General Sociology	Social and Behavioral Sciences	SOCI 100	General Sociology	3
ECON 212	Principles of Microeconomics	3	MOTR ECON 102	Introduction to Microeconomics		ECON 102	Introduction to Microeconomics II	3
PHIL 243	Religions of the World	3				PHIL 243	Religions of the World	3
								3
								5
BIO 101						BIO 101	Human Biology III	4
ENGL 111					Communications	ENGLISH 110	English I	3
SCOM 243			COMM 2200	Argumentation & Debate	Communications	COMM-ST 212	Argumentation & Debate	3
TOTAL CREDITS		27				TOTAL CREDITS		27



SFCC NUMBER	SFCC COURSE	CREDITS	MOTR NUMBER	MOTR TITLE	KNOWLEDGE AREA		SEMO NUMBER	SEMO TITLE	CREDITS
LIT 112	World Literature	3	MOTR LIT 101	World Literature	Humanities & Fine Arts	3		World Literature I	3
ART 101	Art Appreciation	3	MOTR ART 101	Art Appreciation	Humanities & Fine Arts			Art History Survey	3
SOC 100	General Sociology	3	MOTR SOCI 100					Culture and Social Change	3
PSY 101	General Psychology	3						General Psychology	3
EN 101	English Composition I	3						Writing Thinking	3
MATH 123	Survey of Mathematics	3					MA 123	Survey of Mathematics	3
PHIL 101	Readings in Philosophy	3			Humanities & Fine Arts	3	PL 110	Readings in Philosophy	3
CHEM 123	General Chemistry	5	MOTR CHEM 001L	Essential Chemistry with Lab	Natural Sciences	5	CH 185	General Chemistry	5
		29				29			29



JEFFCO Number	JEFFCO Title	Credits	MOTR NUMBER	MOTR Title	Transfer Curriculum Knowledge Area	UCM Number	UCM Title	Credits
ENG 101	English Composition I	3	MOTR-ENGL-1000	English Composition 1	Comm			3
ECO 101	Macro Economics	3	MOTR ECON 101	Intro				3
HIS 104	U.S. History II from Reconstruction	3						
PHY 105	Physi							
THT								
PHL 20.								
COM 110							Speaking	3
BIO 102	Co					BIOL 1003	Introduction to the Science-Ecology GE	3
PHY 112	Gener			Physics I with Lab	Natural and Mathematical Sciences	PHYS 2121	University Physics I GE	5
SOC 101	General S		MOTR SOCI 100	General Sociology	Social & Behavioral Sciences	SOC 1800	General Sociology	3
		33						33



Jamie completed the following courses at Metropolitan Community College and wants to transfer to Missouri State University to study Anthropology

MCC Number	MCC Title	Credits	MOTR Number	MOTR Course Title	Transfer Curriculum Knowledge Area	Credit Hours earned in Knowledge Area	MSU Course Title	Credits accepted
ENGL 101	Composition and Reading I	3	MOTR ENGL 1000	Composition I	Communication	3	Writing I	3
MATH115	Statistics	3	MOTR MTH 1100	Statistical Reasoning	Natural Sciences	3	Math 1100	3
ANTH110	Cultural Anthropology	3					Anthropology	3
HIST120	US History to 1865	3	MOTR HIST 1200	US History to 1865	Humanities	3	US 1877	3
BIOL123	Principles of Bio I w/lab	4				4	Biology	4
COMM100	Fundamentals of Communication	3				3	Comm 100	3
A		3				3		3
HIS		3				3	History to 1600 C.E.	3
ENGL1		3				3	ENG 210 Writing II: Writing Across the Disciplines	3
Total Credits						25	Total hours accepted at MSU	31

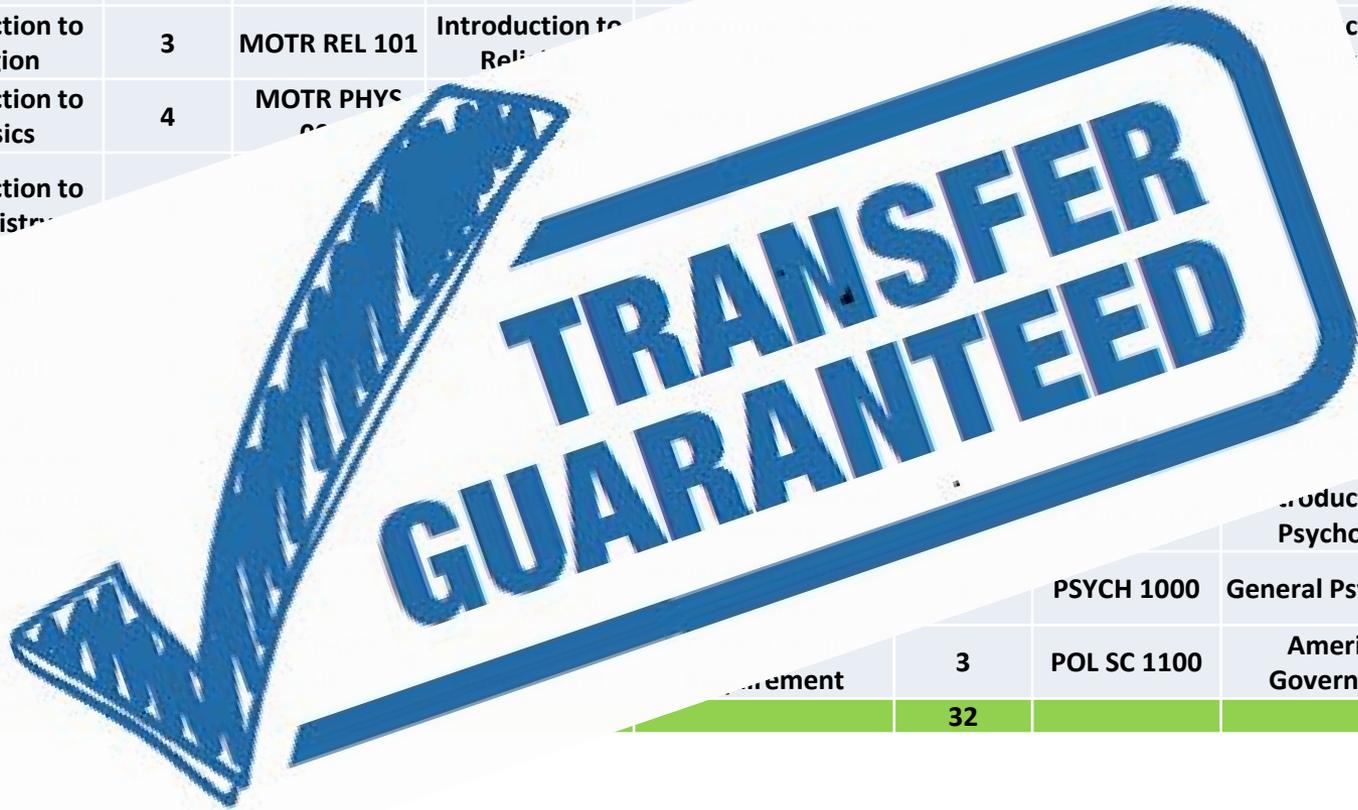


Jamie needs the following for transfer to Missouri State University:

- 3 credit hours of Behavioral Sciences
- 3 credit hours of Natural Sciences and Mathematics
- 6 credit hours of Humanities and Fine Arts
- 5 credit hours of Additional Requirements (from the MOTR course listings)

Pat completed the following courses at North Central Missouri College and wants to transfer to the University of Missouri-Columbia.

NCMC Course Number	NCMC Course Title	Credits earned	MOTR Course Number	MOTR Course Title	Transfer Curriculum Knowledge Area	Credit Hours earned in Knowledge Area	Mizzou Course Number	Mizzou Course Title	Credits accepted
AR 104	Art Appreciation	3	MOTR ART 101	Art Appreciation	Humanities & Fine Arts	3	ART 101	History of Art	3
RL 101	Introduction to Religion	3	MOTR REL 101	Introduction to Religion	Humanities & Fine Arts	3	REL 101	Introduction to Religion	3
PS 108	Introduction to Physics	4	MOTR PHYS 101	Introduction to Physics	Science & Mathematics	4	PHYS 101	Physics Work	4
CH 107	Introduction to Chemistry	4	MOTR CHEM 101	Introduction to Chemistry	Science & Mathematics	4	CHEM 101	Chemistry I	4
EN 101	Introduction to English	3	MOTR ENGL 101	Introduction to English	Humanities & Fine Arts	3	ENGL 101	English I	3
EN 102	Intermediate English	3	MOTR ENGL 102	Intermediate English	Humanities & Fine Arts	3	ENGL 102	English II	3
SP 171	Spanish I	3	MOTR SPAN 101	Spanish I	Foreign Languages	3	SPAN 101	Spanish I	3
SO 107	Introduction to Sociology	3	MOTR SOCI 101	Introduction to Sociology	Social Sciences	3	SOCI 101	Introduction to Psychology	3
PY 121	Introduction to Psychology	3	MOTR PSYCH 101	Introduction to Psychology	Social Sciences	3	PSYCH 1000	General Psychology	3
PL 216	Introduction to American Government	3	MOTR POL SC 1100	Introduction to American Government	Social Sciences	3	POL SC 1100	American Government	3
						32			32



Morgan completed the following courses at Ozarks Technical Community College and wants to transfer to Missouri State University to study Physics

OTC Number	OTC Title	Credits	MOTR Course Number	MOTR Course Title	Transfer Curriculum Knowledge Area	Credit Hours earned	OTC Course Title	Credits accepted
MTH 138	Pre-Calculus	5	MOTR MTH 1500	Pre-Calculus	Natural Sciences	5	Physics	5
ENG 101	Composition I	3	MOTR ENG 1000	Composition I	Writing	3	Writing	3
ENG 102	Composition II	3	MOTR ENG 1000	Composition II	Writing	3	Writing	3
HIST 101	World History	3	MOTR HIST 1000	World History	Humanities	3	World History	3
PHY 101	Physics	4	MOTR PHY 1000	Physics	Natural Sciences	4	Physics	4
BIO 101	Biology	4	MOTR BIO 1000	Biology	Natural Sciences	4	Biology in Your World	4
PSY 110	Psychology	3	MOTR PSY 1000	Psychology	Humanities	3	Introductory Psychology	3
SOC 101	Sociology	3	MOTR SOC 1000	Sociology	Humanities	3	Introduction to Sociology	3
ART 110	Art	3	MOTR ART 1000	Art	Humanities and Fine Arts	3	Art in Context	3
Total Credit Hours			Credit Hours earned toward General Education Core			33	Total hours accepted at MSU	34
Morgan still needs 6 credit hours in Humanities and Fine Arts and 3 credit hours in Additional Requirements								



Taylor completed the following courses at St Louis Community College and, while wanting to transfer to Missouri State University, is undecided about a major

SLCC Number	SLCC Title	Credits	MOTR Course Number	MOTR Course Title	Transfer Curriculum Knowledge Area	Credit Hours earned in Knowledge Area	MSU course Number	MSU Course Title	Credits accepted
ENG 101	College Composition I	3	MOTR ENGL 1000	Composition I	Communications	3	ENGL 101	Writing I	3
MTH 161	Applications of College Math	3	MOTR MTH 1200	Mathematical Modeling and Reasoning	Natural and Mathematical Sciences		MATH 161	Elementary Trigonometry	3
COM 101	Oral Communication I	3	MOTR COMM 1000	Intro to Communication			COMM 101	Public Speaking	3
ENG 103	Report Writing	3	MOTR ENGL 2100	Writing II			ENGL 103	Writing II	3
PSY 200	General Psychology	3					PSY 200	General Psychology	3
CHM 114	Industrial Chemistry	3					CHM 114	Industrial Chemistry	3
MATH 101	Mathematics	3					MATH 101	Mathematics	3
Total									21
Taylor received the following credit hours for transfer courses:									
4 credit hours for Mathematics									
6 credit hours for Behavioral Science									
6 credit hours for Health and Fitness									
5 credit hours for General Education Requirements									



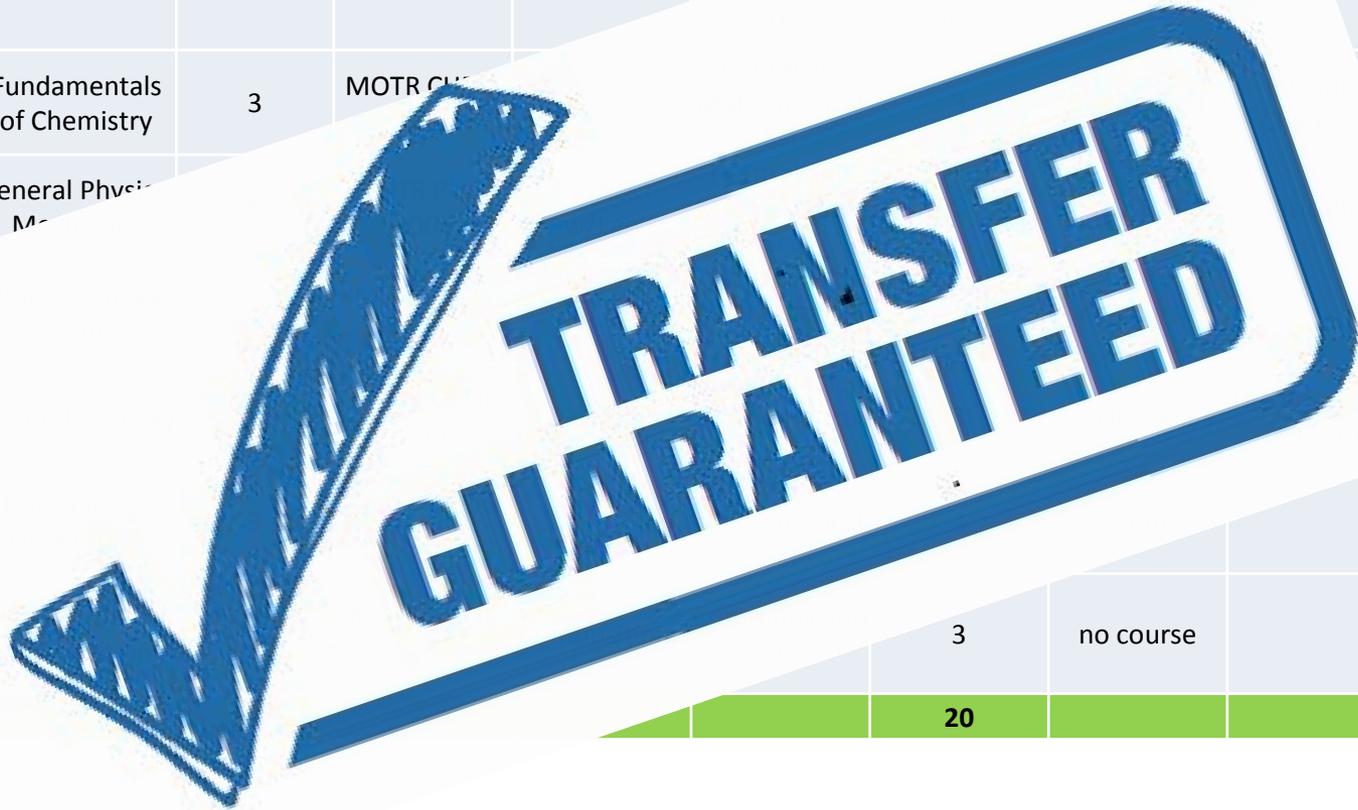
Belle is transferring to UMSL with 11 credit hours from Three Rivers College and 11 credit hours from Mineral Area College.

TRC Number	TRC Title	Credits	MOTR Course Number	MOTR Course Title	Transfer Curriculum Knowledge Area	Credits earned in Knowledge Area	UMSL Course Number	UMSL Course Title	Credits accepted
ARTS 131	Drawing I	2	MOTR DRA 100	Introduction to Drawing	Humanities and Fine Arts	2			2*
ECON 211	Principles of Macroeconomics	3	MOTR ECON 101	Introduction to Macroeconomics	Social and Behavioral Science	3		Principles of Macroeconomics	3
HIST 111	American History to 1877	3	MOTR HIST 101	American History	Humanities and Fine Arts	3			3
PHYS 100	Survey of Physics	3	MOTR PHYS 001		Physical Science	3		Physics	3
		11							11
MA Num 2330									Credit Hours accepted
									3
PHS 2410								Geology Lab	5
ENG 1330	English Composition							English Composition (according to Comm group)	3
						11			11



Lumiere really likes science, has attended Harris-Stowe State University and earned 20 credit hours prior to transferring to JMSL this semester.

HSSU Number	HSSU Title	Credits earned	MOTR Course Number	MOTR Course Title	Transfer Curriculum Knowledge	Credits	Course Title	Credits accepted
CHEM 0151	Fundamentals of Chemistry	3	MOTR CHEM				History I-A	3
PHYS 0251/0252	General Physics I							5
								3
								3
								3
								3
						3	no course	3
						20		20



Tiana attended Jefferson College and earned 22 credit hours and is now transferring to UMSL.

JEFFCO Number	JEFFCO Title	Credits earned	MOTR Course Number	MOTR Course Title	Transfer Curriculum Knowledge	Credits earned	Course Title	Credits accepted
ENG 101	Composition I	3	MOTR ENGL 1000	Composition I				3
ENG 102	Composition II	3	MOTR ENGL 1001	Composition II				3
COMM 110	Public Speaking	3	MOTR COMM 110	Public Speaking				3
ECO 101	Principles of Economics	3	MOTR ECO 101	Principles of Economics				3
ECO 102	Principles of Microeconomics	3	MOTR ECO 102	Principles of Microeconomics				3
PHY 105	Physics	4	MOTR PHY 105	Physics	Mathematical Sci	4	GEOL 1001A General Geology + Lab	4
BIO 102	College Biology	3	MOTR BIO 102	Essential Biology	Natural and Mathematical Sci	3	BIOL 1012 General Biology	3
						22		22



Complaints (draft)

Transfer of Course Credit Not Accepted by Receiving Institution

If an institution of higher education does not accept course credit earned by a student at another Missouri public institution of higher education, that institution shall give written notice to the student and the other institution that the transfer of the course credit is denied.

Written notification will not have to be given in the following circumstances:

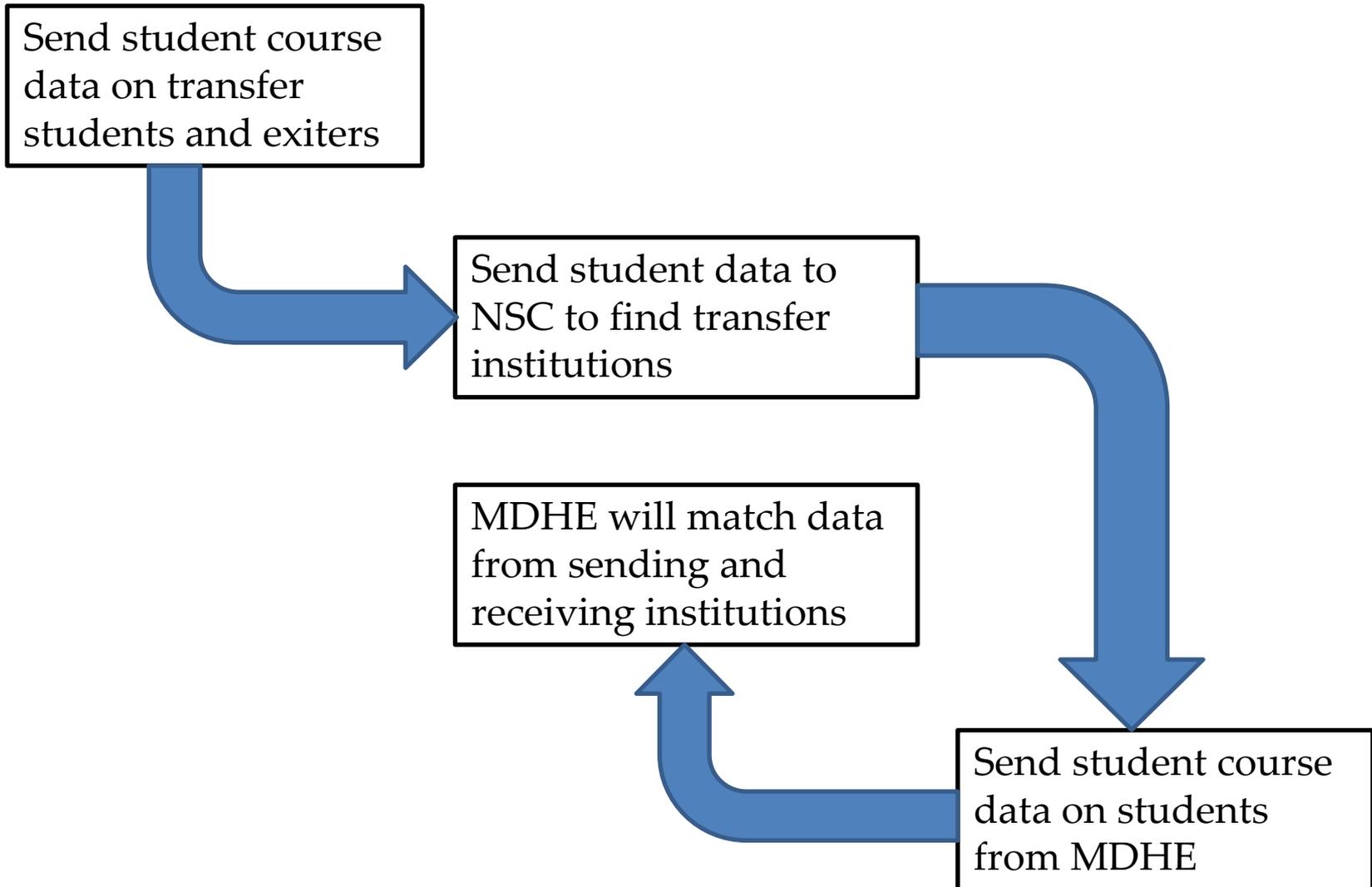
1. Outside of Community College mission (upper division)
2. Remedial credits transferring to 4 year schools
3. Graduate course work (policy limited to undergraduate course work only)

Written notification must be sent within 10 working days of the denial of credit.

Appeals (draft)

1. Three levels of appeal
 - a. Two within the institution
 - b. Final appeal to commissioner of higher education
2. The student or institution (for whom the credit was denied) has ten business days to file a complaint; begins on the receipt of notification.
3. If not resolved to student's satisfaction within 45 days, the receiving institution justifies denial to commissioner.
4. The commissioner shall make the final determination.
5. Data will be collected on disputes and disposition.

DATA COLLECTION PROCESS



Course Level Data

Transfer File	Description
course_name1	Course name at sending institution
course_num1	Course number at sending institution
credit_hour1	Number of credit hours for the course from the sending institution
cip_code1	Six-Digit CIP code for course at sending institution
grade1	grade received for course (A, B, C, D, F, P, W)
gen_ed1	Does the course fill a general education requirement at sending institution
major1	Does the course fill a requirement for the major at sending institution
elective1	Is the course an elective at sending institution

Transfer File	Description
course_name2	Course name (transferred or at receiving institution)
course_num2	Course name (transferred or at receiving institution)
credit_hour2	Number of credit hours transcribed for the course at receiving institution
cip_code1	Six-Digit CIP code for course at sending institution
grade2	grade accepted for course (A, B, C, D, F, P, W) at receiving institution
gen_ed2	Does the course fill a general education requirement at receiving institution
major2	Does the course fill a requirement for the major at receiving institution
elective2	Is the course an elective at receiving institution
course_source	Course transferred from sending institution (1) or completed at receiving institution (2)
ficode1	sending institution ficode

Student Summary Data

Transfer File	Description
cum_gen_ed1	Cumulative general education credit hours student has earned
cum_major1	Cumulative credit hours towards the major a student has earned
cum_elective1	Cumulative elective credit hours student has earned
transfer_stat1	Status at transfer from sending institution: transferred with AA, with 42 hour block, without 42 hour block

Transfer File	Description
cum_gen_ed2	Cumulative general education credit hours accepted at receiving institution
cum_major2	Cumulative credit hours towards the major accepted at receiving institution
cum_elective2	Cumulative elective credit hours accepted at receiving institution
transfer_stat2	Status at transfer from sending institution: transferred with AA, with 42 hour block, without 42 hour block

Remaining Tasks

- Confirm equivalence of courses for inclusion in core.
- Populate complete matrix with courses.
- Implement appeal process and data collection.
- Begin rule making.