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Philosophy of General Education

The college aims to prepare students to perform effectively in highly specialized and advanced technical occupations and respond effectively to the inevitable technical and societal changes that will occur throughout their careers. To respond to change, students will need to engage in a lifelong process of inquiry, decision-making, and acquisition of new knowledge. General education, which has as its fundamental purpose the development and integration of every student’s knowledge, skills, attitudes and experiences, is one of the best means for achieving the ability to engage effectively in critical thinking and problem solving needed in the work place and beyond.

Core Curriculum Transfer (CORE 42)














Senate Bill 997 established the Higher Education Core Transfer Curriculum Act (Sections 178.785-789 RSMo), which directs the Coordinating Board for Higher Education to develop a standard core transfer curriculum and a common course numbering equivalency matrix for lower-division general education




courses. The core transfer curriculum, known as CORE 42, is a framework for general education that all Missouri public two-and four-year institutions of higher education will adopt effective for the 2018-2019 academic year. The goal of the CORE 42 is to facilitate the seamless transfer of academic credits. The completion of the CORE 42 at any public institution of higher education will transfer to every other public institution of higher education in the state and substitute for the receiving institution’s general education requirement. Individual courses that comprise the CORE 42 are guaranteed to transfer one-to-one among all public colleges and universities. Courses without the CORE 42 identifier may also transfer. For additional information visit <https://web.dhewd.mo.gov/coursetransfertracker/> State Technical College of Missouri accepts CORE 42 courses as transfer credit when coursework is required for a students’ degree or certificate program. Students who are denied CORE 42 transfer credit may appeal the decision using the process located at <https://www.statetechmo.edu/core-curriculum-transfer-core-42/>.

The Associate Degree General Education Core

Students seeking an Associate Degree are required to take a general education core including a minimum of 19 semester credit hours selected from the courses listed below. See each program’s General Education Requirements for specific courses.

ASSOCIATE DEGREE GENERAL EDUCATION CORE REQUIREMENTS

Course #	Course Title	Credits
Area 1. Oral & Written Communication - 6 Credit hours		
 COM 101	English Composition - MOTR ENGL 100	3
COM 110	Or Honors Composition*	3
 COM 111	Or Oral Communications - MOTR COMM 100	3
 COM 121	Or Public Speaking - MOTR COMM 110	3
Area 2. Mathematics - 3 Credit Hours		
 MAT 115	College Algebra - MOTR MATH 130	3
 MAT 118	Or Survey of College Mathematics - MOTR MATH 120	3
 MAT 119	Or Elementary Statistics - MOTR MATH 110	3
 MAT 120	Or Pre-Calculus - MOTR MATH 150	5
MAT 122	Or Elements of Calculus	3
MAT 123	Or Calculus I	5
Area 3. Science - 4 Credit Hours		
 PHY 100	Physical Science with a laboratory - MOTR PHYS 110L	4
 PHY 101/102	Or College Physics with a laboratory - MOTR PHYS 150L	4
 PHY 103/104	Or Environmental Science with a laboratory - MOTR PHYS 110LEV	4
 PHY 201	Or General Physics with a laboratory - MOTR PHYS 200L	5
ASC 104	Or Human Anatomy and Physiology with Lab I	4
ASC 106	Or Human Anatomy and Physiology with Lab II	4
	Or A science course with a laboratory*	4

Area 4. Social Science - 3 Credit Hours			
	PSC 101	American Government ^{1,2} - MOTR POSC 101	3
		Or	
	HST 105	American History to 1877 ^{1,2} - MOTR HIST 101	3
		Or	
	HST 110	American History from 1877 to the Present ^{1,2} - MOTR HIST 102	3
Area 5. Technical Literacy - 3 Credit Hours			
	CPP 101	Introduction to Microcomputer Usage	3
		Or	
	CPP 102	Advanced Microcomputer Usage	3
		Or	
	NST 101	Network Fundamentals	3

* Requires Department Approval

¹ PSC 101 American Government, HST 105 American History to 1877, and HST 110 American History from 1877 to the Present fulfill both the general education requirement and Missouri’s constitution requirement.

² Transfer students must also meet Missouri’s constitution requirement through an approved method.

The Certificate General Education Core

Students seeking a certificate will follow the specific general education core requirements below for the certificate being sought.

CERTIFICATE GENERAL EDUCATION CORE REQUIREMENTS

Certificate – Two-Year

Students are required to take a general education core including at least eight semester credit hours.

Certificate – One-Year

Students are required to complete a basic general education core of at least six semester credit hours.

Certificate – Less than One-Year

Certificates of Less than One-Year may or may not include a requirement for students to complete a basic general education core of at least six semester credit hours.

See each program’s General Education Requirements for specific courses.