

MOTR CORE 42 COURSES

The Missouri Higher Education Core Transfer Curriculum is a recommended lower-division core curriculum of forty-two semester credit hours intended to facilitate student transfer among Missouri's public institutions of higher education. It is a statewide general education course of study intended to ensure that all graduates possess a common core of college-level skills and knowledge.

CORE 42 is comprised of dozens of courses distributed across five knowledge areas - Social & Behavioral Sciences; Written and Oral Communications; Natural Sciences; Mathematical Sciences; Humanities and Fine Arts. The courses in each knowledge area are designated with a Missouri Transfer (MOTR) course number, which guarantees the one-to-one transfer among all Missouri public institutions of higher education.

Missouri Western MOTR courses are identified within the course descriptions below. More information on the CORE 42 program can be found here (<https://www.missouriwestern.edu/registrar/core42>).

A

ART 100 Introduction to Art Credits: 3

Typically Offered: Fall, Spring, Summer.

Course Description: General background in the history, philosophy, principles, and techniques of the visual arts.

CORE 42: MOTR ARTS 100; Art Appreciation

ART 110 Beginning Drawing I Credits: 3

Typically Offered: Fall, Spring.

Course Description: Elementary drawing with the figure, still life, landscape, and perspective in various media. Six studio hours.

CORE 42: MOTR PERF 105D; Studio Art - Introduction to Drawing

ART 205 Survey of Art History I Credits: 3

Typically Offered: Fall, Spring.

Course Description: A global art survey covering visual culture in Europe, Asia, Africa, and the Americas before c. 1400.

CORE 42: MOTR ARTS 101; Art History I

ART 255 Survey of Art History II Credits: 3

Typically Offered: Fall, Spring.

Course Description: A global art survey covering visual culture in Europe, Asia, Africa, and the Americas after c. 1400. **Prerequisite(s):** ART 205.

CORE 42: MOTR ARTS 102; Art History II

B

BIO 101 Principles of Biology Credits: 4

Typically Offered: Fall, Spring.

Course Description: Introductory course on the principles of living phenomena intended for students not major in biology. Meets General Studies Category 2, Line 1 requirement. Three hours lecture, two hours lab.

CORE 42: MOTR BIOL 100L; Essentials in Biology with Lab

BIO 105 Principles of Organismal Biology Credits: 4

Typically Offered: Fall, Spring.

Course Description: Examines basic concepts and principles of evolutionary biology, behavior, ecology, physiology and morphology at the organismal level. Three hours lecture, three hours lab per week. LAS Writing. **Prerequisite(s):** ACT math score of 22 or higher or a score of 70 or higher on the MWSU Math Placement Exam or the equivalent, ACT English score of 18 or higher or the equivalent, and ACT reading score of 18 or higher or the equivalent.

CORE 42: MOTR BIOL 150L; Biology w/Lab

BIO 106 Principles of Cell Biology Credits: 4

Typically Offered: Fall, Spring.

Course Description: This introductory biology course examines the structure and function of animal and plant cells, interactions between cells, intra- and intercellular signaling mechanisms and basic cellular biochemistry. Within the above context, students are also introduced to basic concepts of molecular biology and development. Three hours lecture, three hours lab. LAS Writing. **Prerequisite(s):** ACT math score of 22 or higher or a score of 70 or higher on the MWSU Math Placement Exam or the equivalent, ACT English score of 18 or higher or the equivalent, and ACT reading score of 18 or higher or the equivalent.

CORE 42: MOTR BIOL 150L; Biology with Lab

BIO 250 Anatomy and Physiology Credits: 5

Typically Offered: Fall, Spring, Summer.

Course Description: Concepts of human structure and function and relationships of these concepts to cells, tissues, organs and systems.

Four hours lecture, two hours lab. **Prerequisite(s):** A grade of C or better in either BIO 101 or BIO 106.

CORE 42: LIFS 150L; Human Biology with Lab

C

CHE 101 Introductory Chemistry Credits: 4

Typically Offered: Fall, Spring