

Missouri Western State University Core 42 Advising Worksheet

2024-2025 Academic Year

KNOWLEDGE AREA	MINIMUM HOURS
Mathematical Sciences	3
Written Communication	6
Oral Communication	3
Natural Sciences	7
Social & Behavioral Sciences	9
Humanities & Fine Arts	9
Additional MOTR Credit Hours	*5
TOTAL	42

*This number may be less if additional credit hours are earned in other knowledge areas

Student Name: _____

G#: _____

Program/Major: _____

Date: _____



MATHEMATICAL SCIENCES (AREA ONE)						
3 credit hours minimum						
MOTR Course	Course Title	MWSU Course	Credit Hrs	Discipline	MWSU Course Attribute	✓
MATH 110	Statistical Reasoning	MAT 111/111E	3 / 4	Math	MO41	
MATH 120	Mathematical Reasoning & Modeling	MAT 110/110E, 112	3 / 4, 3	Math	MO41	
MATH 130	Pre-Calculus	MAT 116	3	Math	MO41	
MATH 150	Pre-Calculus	MAT 010		Math	MO41	
MATH OTHER	Other approved courses	MAT 147, 167	5, 5	Math	MO41	

WRITTEN COMMUNICATION (AREA TWO)						
6 credit hours minimum						
MOTR Course	Course Title	MWSU Course	Credit Hrs	Discipline	MWSU Course Attribute	✓
ENGL 100	Composition I	ENG 104	3	Written	MO21	
ENGL 110	Technical Writing	ETC 200	3	Written	MO21	
ENGL 200	Composition II	ENG 108, ENG 112	3	Written	MO21	

ORAL COMMUNICATION (AREA TWO)						
3 credit hours minimum						
MOTR Course	Course Title	MWSU Course	Credit Hrs	Discipline	MWSU Course Attribute	✓
COMM 100	Intro to Communications	COM 010		Oral	MO22	
COMM 110	Fundamentals of Public Speaking	COM 104	3	Oral	MO22	
COMM 120, 125, 220	Interpersonal Comm., Small Group Comm. and Argumentation & Debate	COM 010		Oral	MO22	

For more information, visit <https://www.missouriwestern.edu/registrar/core42/>

NATURAL SCIENCES (AREA THREE)

7 credit hours minimum, at least 2 disciplines, including one course with a lab component

MOTR Course	Course Title	MWSU Course	Credit Hrs	Discipline	MWSU Course Attribute	✓
ASTR 100	Astronomy	PHY 010		Astronomy	MO31	
ASTR 100L	Astronomy w/Lab	PHY 104	4	Astronomy	MO31, MLAB	
BIOL 100	Essentials in Biology	BIO 010		Biology	MO32	
BIOL 100 EC	Essentials in Biology (Ecology and Conservation)	BIO 010		Biology	MO32	
BIOL 100EV	Essentials in Biology (Environmental Sciences)	BIO 010		Biology	MO32	
BIOL 100M	Essentials in Biology (Microbiology)	BIO 010		Biology	MO32	
BIOL 100L	Essentials in Biology w/Lab	BIO 101	4	Biology	MO32, MLAB	
BIOL 100LB	Essentials in Biology w/Lab (Botany)	BIO 010		Biology	MO32, MLAB	
BIOL 100LEC	Essentials in Biology w/Lab (Ecology and Conservation)	BIO 010		Biology	MO32, MLAB	
BIOL 100LEV	Essentials in Biology w/Lab (Environmental Sciences)	BIO 010		Biology	MO32, MLAB	
BIOL 100LT	Essentials in Biology w/Lab (Science Teacher Education)	BIO 010		Biology	MO32, MLAB	
BIOL 100LZ	Essentials in Biology w/Lab (Zoology)	BIO 010		Biology	MO32, MLAB	
BIOL 150	Biology	BIO 010		Biology	MO32	
BIOL 150L	Biology w/Lab	BIO 010		Biology	MO32, MLAB	
BIOL 150LB	Biology w/Lab (Botany)	BIO 010		Biology	MO32, MLAB	
BIOL 150LEC	Biology w/Lab (Ecology and Conservation)	BIO 010		Biology	MO32, MLAB	
BIOL 150LZ	Biology w/Lab (Zoology)	BIO 010		Biology	MO32, MLAB	
BIOL 150LOR	Biology w/Lab (Organismal)	BIO 105	4	Biology	MO32, MLAB	
BIOL 150LCB	Biology w/Lab (Cell Biology)	BIO 106	4	Biology	MO32, MLAB	
CHEM 100	Essentials in Chemistry	CHE 010		Chemistry	MO33	
CHEM 100HP	Essentials in Chemistry (Health Professions)	CHE 010		Chemistry	MO33	
CHEM 100L	Essentials in Chemistry w/Lab	CHE 101	4	Chemistry	MO33, MLAB	
CHEM100LHP	Essentials in Chemistry w/Lab (Health Professions)	CHE 010		Chemistry	MO33, MLAB	
CHEM 150	Chemistry I	CHE 010		Chemistry	MO33	
CHEM 150L	Chemistry I w/Lab	CHE 111	5	Chemistry	MO33, MLAB	
GEOG 100	Physical Geography	GEO 010		Geography	MO34	
GEOG 100L	Physical Geography w/Lab	GEO 160	4	Geography	MO34, MLAB	
GEOL 100	Geology	ESC 010		Geology	MO35	
GEOL 100L	Geology w/Lab	ESC 111	4	Geology	MO35, MLAB	
LIFS 100	Essentials in Human Biology	BIO/ALH 010		Life Sciences	MO36	
LIFS 100AP	Essentials in Human Biology (Anatomy and Physiology)	BIO/ALH 010		Life Sciences	MO36	
LIFS 100D	Essentials in Human Biology (Health and Disease)	BIO/ALH 010		Life Sciences	MO36	
LIFS 100G	Essentials in Human Biology (Genetics)	BIO/ALH 010		Life Sciences	MO36	
LIFS 100N	Essentials in Human Biology (Human Nutrition)	BIO/ALH 010		Life Sciences	MO36	
LIFS 100P	Essentials in Human Biology (Physiology)	BIO/ALH 010		Life Sciences	MO36	
LIFS 100R	Essentials in Human Biology (Human Reproduction)	BIO/ALH 010		Life Sciences	MO36	
LIFS 100L	Essentials in Human Biology w/Lab	BIO/ALH 010		Life Sciences	MO36, MLAB	
LIFS 100LA	Essentials in Human Biology w/Lab (Anatomy)	BIO/ALH 010		Life Sciences	MO36, MLAB	
LIFS 100LAP	Essentials in Human Biology w/Lab (Anatomy and Physiology)	BIO/ALH 010		Life Sciences	MO36, MLAB	
LIFS 100LG	Essentials in Human Biology w/Lab (Genetic)	BIO/ALH 010		Life Sciences	MO36, MLAB	

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NATURAL SCIENCES (cont)

7 credit hours minimum, at least 2 disciplines, including one course with a lab component

MOTR Course	Course Title	MWSU Course	Credit Hrs	Discipline	MWSU Course Attribute	✓
LIFS 150	Human Biology (Majors)	BIO 010		Life Sciences	MO36	
LIFS 150AP	Human Biology (Anatomy and Physiology) (Majors)	BIO 010		Life Sciences	MO36	
LIFS 150PP	Human Biology (Pathophysiology) (Majors)	BIO 010		Life Sciences	MO36	
LIFS 150LAP	Human Biology w/Lab (Anatomy and Physiology) (Majors)	BIO 250	5	Life Sciences	MO36, MLAB	
LIFS 150L	Human Biology w/Lab (Majors)	BIO 010		Life Sciences	MO36, MLAB	
LIFS 150LA	Human Biology w/Lab (Anatomy) (Majors)	BIO 010		Life Sciences	MO36, MLAB	
LIFS 150LP	Human Biology w/Lab (Physiology) (Majors)	BIO 010		Life Sciences	MO36, MLAB	
PHYS 110	Essentials in Physical Sciences	ESC/PHY 010		Physical Sciences	MO37	
PHYS 100AS	Essentials in Physical Sciences (Meteorology/Atmospheric Sciences)	ESC/PHY 010		Physical Sciences	MO37	
PHYS 110ES	Essentials in Physical Sciences (Earth Sciences)	ESC/PHY 010		Physical Sciences	MO37	
PHYS 110EV	Essentials in Physical Sciences (Environmental Sciences)	ESC/PHY 010		Physical Sciences	MO37	
PHYS 110O	Essentials in Physical Sciences (Oceanography)	ESC/PHY 010		Physical Sciences	MO37	
PHYS 110L	Essentials in Physical Sciences w/Lab	PHY 107	4	Physical Sciences	MO37, MLAB	
PHYS 110LAS	Essentials in Physical Sciences w/Lab (Meteorology/ Atmospheric Sciences)	ESC/PHY 010		Physical Sciences	MO37, MLAB	
PHYS 110LES	Essentials in Physical Sciences w/Lab (Earth Sciences)	ESC/PHY 010		Physical Sciences	MO37, MLAB	
PHYS 110LEV	Essentials in Physical Sciences w/Lab (Environmental Sciences)	ESC/PHY 010		Physical Sciences	MO37, MLAB	
PHYS 100LO	Essentials in Physical Sciences w/Lab (Oceanography)	ESC/PHY 010		Physical Sciences	MO37, MLAB	
PHYS 110LT	Essentials in Physical Sciences w/Lab (Science Teacher Education)	ESC/PHY 010		Physical Sciences	MO37, MLAB	
PHYS 100	Essentials in Physics	ESC/PHY 010		Physics	MO38	
PHYS 100L	Essentials in Physics w/Lab	PHY 101	4	Physics	MO38, MLAB	
PHYS 100LT	Essentials in Physics w/Lab (Science Teacher Education)	PHY 010		Physics	MO38, MLAB	
PHYS 150	Physics I	PHY 010		Physics	MO38	
PHYS 150L	Physics I w/Lab	PHY 110	4	Physics	MO38, MLAB	
PHYS 200L	Advanced Physics w/Lab	PHY 210	5	Physics	MO38, MLAB	

SOCIAL & BEHAVIORAL SCIENCES (AREA FOUR)

9 credit hours from at least 2 disciplines including at least one civics course

MOTR Course	Course Title	MWSU Course	Credit Hrs	Discipline	MWSU Course Attribute	✓
ANTH 101	General Anthropology	SOC 120	3	Anthropology	MO11	
ANTH 201	Cultural Anthropology	SOC 010		Anthropology	MO11	
SBSC 100	Intro to Mass Communication	COM 205	3	Social and Behavioral Science Communications	MO11	
SBSC 101	Introduction to Intercultural Communication	COM 010		Social and Behavioral Science Communications	MO11	
CRIM 205	Introduction to Criminology	CRJ 010		Criminology	MO11	
CRJS 101	Introduction to Criminal Justice	CRJ 100	3	Criminal Justice	MO11	

SOCIAL & BEHAVIORAL SCIENCES (Continued)

MOTR Course	Course Title	MWSU Course	Credit Hrs	Discipline	MWSU Course Attribute	✓
ECON 100	Intro to Economics	ECO 101	3	Economics	MO11	
ECON 101	Intro to Macroeconomics	ECO 260	3	Economics	MO11	
ECON 102	Intro to Microeconomics	ECO 261	3	Economics	MO11	
ECON 102A	Intro to Microeconomics (applied in agriculture)	ECO 010		Economics	MO11	
SOCI 203	Introduction to Gender Studies	SOC 010		Gender Studies	MO11	
GEOG 101	World Regional Geography	GEO 100	3	Geography	MO11	
HIST 201	World History I	HIS 010		History	MO11	
HIST 202	World History II	HIS 120	3	History	MO11	
POSC 201	International Relations	PSC 200	3	Political Science	MO11	
POSC 202	Intro to Comparative	PSC 210	3	Political Science	MO11	
PSYC 100	General Psychology	PSY 101	3	Psychology	MO11	
PSYC 200	Lifespan Human Dev	PSY 240	3	Psychology	MO11	
SOCI 101	General Sociology	SOC 110	3	Sociology	MO11	
SOCI 201	Social Problems	SOC 230	3	Sociology	MO11	
SOCI 202	Introduction to Studies of Race and Ethnicity	SOC 010		Sociology	MO11	
SOCI 204	Introduction to Family Studies	SOC 010		Sociology	MO11	
URBN 202	Introduction to Urban Studies	SOC 010		Urban Studies	MO11	
HIST 101	American History I	HIS 140	3	Civics Courses	MO12	
HIST 101AA	American History I (contextualized with the African American experience)	HIS 010		Civics Courses	MO12	
HIST 102	American History II	HIS 150	3	Civics Courses	MO12	
HIST 102AA	American History II (contextualized with the African American experience)	HIS 010		Civics Courses	MO12	
POSC 101	American Government	PSC 101	3	Civics Courses	MO12	

HUMANITIES & FINE ARTS (AREA FIVE)

9 credit hours minimum, at least 2 disciplines (Max of 3 credit hours of Performance courses can be applied to Humanities and Fine Arts Knowledge Area and to the total CORE 42)

MOTR Course	Course Title	MWSU Course	Credit Hrs	Discipline	MWSU Course Attribute	✓
ARTS 100	Art Appreciation	ART 100	3	Art	MO51	
ARTS 101	Art History I	ART 205	3	Art	MO51	
ARTS 102	Art History II	ART 255	3	Art	MO51	
FILM 100	Intro to Film Studies	CIN 100	3	Film	MO53	
FILM 103	History of Film	CIN 010		Film	MO53	
LANG 101	French I	FRE 100	3	Foreign Lang	MO54	
LANG 102	French II	FRE 101	3	Foreign Lang	MO54	
LANG 103	Spanish I	SPA 100	3	Foreign Lang	MO54	
LANG 104	Spanish II	SPA 101	3	Foreign Lang	MO54	
LANG 105	Foreign Language I	TRN 010		Foreign Lang	MO54	
LANG 106	Foreign Language II	TRN 010		Foreign Lang	MO54	
LITR 100	Intro to Literature	ENG 210	3	Literature	MO55	
LITR 100D, 100F, 100P	Intro to Literature	ENG 010		Literature	MO55	
LITR 101, 101A, 101B	American Literature	ENG 211		Literature	MO55	
LITR 102, 102A, 102B	British Literature	ENG 212		Literature	MO55	
LITR 105, 105AA, 105AS, 105L, 105NA	Multicultural Literature	ENG 010		Literature	MO55	
LITR 106	Women's Literature	ENG 010		Literature	MO55	
LITR 107	Introduction to Shakespeare	ENG 010		Literature	MO55	
LITR 200, 200A, 200M	World Literature	ENG 213		Literature	MO55	

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HUMANITIES & FINE ARTS (Continued)

MOTR Course	Course Title	MWSU Course	Credit Hrs	Discipline	MWSU Course Attribute	✓
LITR 201	Mythology	ENG 010		Literature	MO55	
MUSC 100	Music Appreciation	MUS 101	3	Music	MO56	
MUSC 100J	Music Appreciation – Jazz	MUS 415	2	Music	MO56	
MUSC 100RP	Music Appreciation – Rock/Pop	MUS 010		Music	MO56	
MUSC 101	Music Fundamentals	MUS 103	2	Music	MO56	
MUSC 102	World Music	MUS 010		Music	MO56	
MUSC 103	Music History I	MUS 362	3	Music	MO56	
MUSC 104	Music History II	MUS 363	3	Music	MO56	
PERF 100	Acting I	THR 228	3	Performance	MO57	
PERF 100SC, 100TT, 100VD	Stage Combat, Musical Thr Techniques, Voice Diction	THR/MUS 010, THR 224	3	Performance	MO57	
PERF 100SM	Stage Movement	THR 126	2	Performance	MO57	
PERF 101, 101S	Directing I, Stage Management	THR 010		Performance	MO57	
PERF 102B	Music Performance – Band *	MUS 145, 146	1	Performance	MO57	
PERF 102C	Music Performance – Choir *	MUS 140	1	Performance	MO57	
PERF 102O	Music Performance – Orchestra *	MUS 346	1	Performance	MO57	
PERF 103P	Playwriting	THR 010		Performance	MO57	
PERF 103SA	Script Analysis	THR 275	3	Performance	MO57	
PERF 104C, 104D, 104M, 104SD	Costuming, Theatre Drafting, Stage Makeup, Scenic Design	THR 010		Performance	MO57	
PERF 104S	Stagecraft	THR 221	3	Performance	MO57	
PERF 105C	Studio Art– Introduction to Ceramics	ART 140	3	Performance	MO57	
PERF 105D	Studio Art – Introduction to Drawing	ART 110	3	Performance	MO57	
PERF 105M	Studio Art– Multimedia Crafts	ART 180	3	Performance	MO57	
PERF 105GA, 105P, 105S	Studio Art–Intro to Drawing, Graphic Arts, Multimedia Crafts,	JOU 104		Performance	MO57	
PERF 106	Creative Writing	ENG 245	3	Performance	MO57	
PERF 106D, 106F, 106NF, 106P	Creative Writing – Dramatic Script, Fiction, Nonfiction, Poetry	ENG 010		Performance	MO57	
PERF 107	Introduction to Filmmaking	CIN 010		Performance	MO57	
PHIL 100	Intro to Philosophy	PHL 210	3	Philosophy	MO58	
PHIL 101	Introduction to Logic	PHL 219, 220	3	Philosophy	MO58	
PHIL 102	Introduction to Ethics	PHL 230, 231	3	Philosophy	MO58	
PHIL 102P	Introduction to Ethics-Business and Professional	PHL 232	3	Philosophy	MO58	
PHIL 102S	Introduction to Applied Ethics	PHL 010		Philosophy	MO58	
RELG 100	World Religion	REL 150, 250, 251, 252	3	Religion	MO59	
RELG 101N, 101O	Religious Texts-Old Testament, Religious Texts- New Testament	REL 260, 263, 265	3	Religion	MO59	
THEA 100A	Theatre Appreciation	THR 113	3	Theatre	MO60	
THEA 100B, 100C	Children’s Theatre, History of the Musical	THR 010		Theatre	MO60	
THEA 104	Theatre History I	THR 010		Theatre	MO60	
THEA 105	Theatre History II	THR 010		Theatre	MO60	
THEA 106	World Drama	THR 010		Theatre	MO60	
HUMN 100	Introduction to Humanities	HUM 010		Humanities	MO61	
OCIV 101	World Civilizations	HUM 010		Civilization	MO52	
WCIV 101	Western Civilization I	HIS 200, HUM 203	3	Civilization	MO52	
WCIV 102	Western Civilization II	HIS 210, 230, HUM 204, 205	3	Civilization	MO52	

ADDITIONAL MWSU HUMANITY & FINE ARTS APPROVED COURSES

*These additional MWSU Music courses are not approved by the state as CORE 42, but will count for MWSU students.
Courses are not transferable to count within CORE 42 at other institutions.

MOTR Course	Course Title	MWSU Course	Credit Hrs.	Discipline	MWSU Course Attribute	✓
PERF 102B	* Music Performance – Band	MUS 240, 241, 242, 245, 344, 345, 347, 350	1-2	Performance	MO57	
PERF 102C	* Music Performance – Choir	MUS 244, 338, 339, 340, 342, 349	1	Performance	MO57	
PERF 102O	* Music Performance – Orchestra	MUS 243, 343	1-2	Performance	MO57	

ADDITIONAL MOTR CREDIT HOURS (AREA SIX)

0-5 credit hours
The number of credit hours required in this area is dependent on the credit hours earned in the other five areas.
Overall, the student must earn a minimum of 42 credit hours.

MOTR Course	Course Title	MWSU Course	Credit Hrs.	Discipline	MWSU Course Attribute	✓
IDSE 102	Wellness for the Individual	EXS 101	3	Interdisciplinary	MO71	