Four Schools of Jefferson College

School of Humanities

The following programs are housed within the School of Humanities:

- Art
- Communication
- English
- Foreign Language
- Geography
- Global Studies
- History
- Journalism
- Music
- Philosophy
- Political Science
- Reading
- Theatre
- TV Production

School of Business, Social Sciences and Public Services

The following programs are housed within the School of Business, Social Sciences & Public Services:

- Accounting
- Business Administration
- Business Management
- College Studies
- Criminal Justice
- Culinary Arts
- Early Childhood Education
- Economics
- EMT/Paramedic
- Guidance
- Health/Physical Education
- Law Enforcement Academy
- Psychology
- Social Work
- Sociology
- Teacher Education

School of Math, Physics & Technology

The following programs are housed within the School of Math, Physics & Technology

- Applied Technology
- Astronomy
- Automotive Technology
- Computer Information Systems, Computer Support
- Computer Information Systems, Cyber Security
- Computer Integrated Manufacturing
- Geology
- Heating, Refrigeration and Air Conditioning
- Math
- Physics
- Welding

School of Science & Health

The following programs are housed within the School of Science & Health:

- Anatomy & Physiology
- Biology
- Chemistry
- Health Information Technology (HIT)
- Nursing
- Occupational Therapy Assistant (OTA)
- Physical Therapist Assistant (PTA)
- Radiologic Technology
- Veterinary Technology
- Zoology

General Degree Requirements

Jefferson College Offers Six Associate Degrees

Associate of Arts (A.A.)

Transferable to four-year institution as part of a bachelor's degree

Associate of Fine Arts (A.F.A)

Two options are offered: Associate of Fine Arts- Art, and Associate of Fine Arts-Music, transferable to a four-year institution as part of a bachelor's degree in fine arts

Associate of Arts in Teaching (A.A.T.)

Transferable to four-year institution Teacher Education Program as part of an education bachelor's degree

Associate of Science (A.S.)

Two options for emphasis: Engineering, or Engineering Technology both transferable to specific four-year institutions as part of an engineering bachelor's degree

Associate of Applied Science (A.A.S.)

Designed for entry into a particular occupation

And Several Career Education Certificates

The general graduation requirements for all degrees and certificates are detailed below. These are followed by a summary of the required components of the General Education Program. A summary of the statewide and institutional requirements for degrees and certificates follows. Specific requirements for each associate degree (A.A., A.F.A, A.A.T., and A.S.) are detailed on pages 67-87. Requirements for specific Career Education certificates and Associate of Applied Science degrees (A.A.S.) including departmental/program requirements are detailed on pages 88-119.

Degree & Certificate Requirements

The requirements for an associate degree from Jefferson College are:

1. Minimum of 62 hours of college credit with a minimum of 15 credit hours completed at Jefferson College.
   a. Completion of the General Education program requirements specified for each degree (i.e., 42 credit hours for A.A. and A.A.T., 45 credit hours for A.S., 27 credit hours for he A.F.A, and a minimum of 18 credit hours for A.A.S.).
   b. Completion of specified curriculum for each degree/department/program/major.
2. Successful completion of institutional requirements:
   a. Successful demonstration of computer literacy proficiency with a grade of "C" or better.
   b. First Year Experience requirement.
3. A minimum cumulative grade point average of:
   a. 2.00 ("C") is required for the A.A., A.F.A, A.S. and most A.A.S. degrees
   b. 2.75 overall and 2.75 in all education courses, with no grade lower than a "C" in education courses; and passing MoGEA scores are required for the A.A.T. degree.

The requirements for a career education certificate from Jefferson College are:

1. Completion of the specified departmental/program/major curriculum with a minimum of 15 credit hours completed at Jefferson College.
2. Successful completion of the First Year Experience institutional requirement.
3. A minimum cumulative grade point average of 2.00 ("C") in the required curriculum.

All candidates for a certificate or degree must:

1. File an Application for Graduation with the Office of Enrollment Services by September 1 for fall graduation, February 1 for spring graduation, and June 1 for summer graduation.
2. Complete the exit exam assessment as required by the College and specific degree or certificate.
3. Pay the graduation fee no later than 30 days prior to the end of the semester in which he/she intends to graduate.
4. Receive certification for a degree or certificate by the Registrar.
5. Candidates for graduation are encouraged to participate in Commencement ceremonies scheduled for May 15, 2021.

The following should be noted:

1. No degree or certificate credit will be given for developmental courses with numbers that begin with "0," for example, English 099. Although they may be required of students to prepare for entering other courses, they will not apply as credit toward a degree or certificate.
2. No more than four hours of performance credit in music and four hours of physical education activity courses may be counted toward an A.A. or A.A.T. degree.
3. All new, degree-seeking freshman for fall 2019 are required to pass the Missouri Higher Education Civics Examination as required by Missouri with the passage of Senate Bill 807 in 2018. The Missouri Higher Education Civics Examination will be administered through PSC001, zero credit hour course. New degree- seeking students must enroll in the course and pass the exam for graduation eligibility. Students are not required to complete the examination to be eligible for a career education certificate.
4. Multiple degrees/certificates: In most instances, a student may receive multiple degrees (A.A., A.A.T., A.S., A.F.A., A.A.S). However, an A.A.T. degree recipient may not subsequently earn an A.A. An A.A. degree recipient may subsequently earn an A.A.T. degree if an additional 15 credit hours of applicable coursework is completed. A student may receive multiple certificates without limit.
5. The Associate of Applied Science (A.A.S.) degree and Career Education certificates are not limited by prior graduation.
6. Second degrees: Associate of Arts degrees satisfy the General Education program for the Associate of Applied Science degree. The technical departmental requirements are met on a course-by-course process. A transfer student with an earned Associate of Applied Science degree will satisfy the General Education program of Jefferson College's Associate of Applied Science degree.
7. All degree or certificate-seeking students enrolling in nine or more hours of college credit courses as well as students who have accumulated nine or more hours of college credit are required to successfully complete the First Year Experience requirement. Students who do not successfully complete COL100, Freshman Seminar; COL101, Introduction to College: Strategies for Success; or COL136, Mastering the College Experience, during their first term of enrollment will be required to complete one of these courses during their second term. Students will not be allowed to enroll for a third term without successfully completing the First Year Experience requirement. Please note that transfer students with 15 credit hours and a 2.0 GPA or an equivalent First Year Experience course (as determined by the Registrar) are exempt from this requirement.
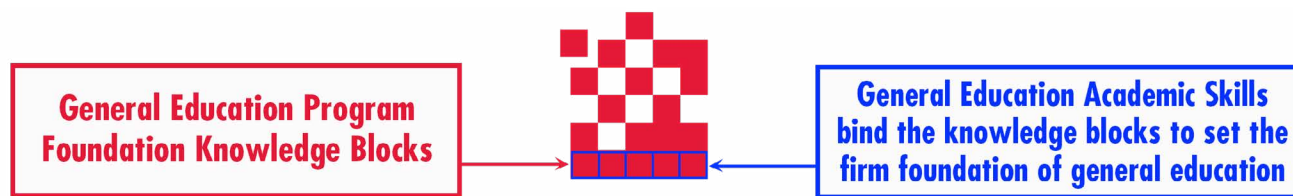
General Education Program Requirements

Building a Strong Foundation for Learning, Growth, and Success

At Jefferson College, we value general education because it is a necessary foundation for success in a complex and changing society, as well as for advanced work in specific areas of study or degrees. The general education program equips students with the intellectual tools, knowledge, and creative capabilities to engage in today's globally interconnected and rapidly changing world.

General education informs students that the world is understood in different ways and provides them with the means to come to terms, intelligently and humanely, with that diversity. Throughout general education, students acquire appropriate investigative, interpretative, and communicative competencies. General education encourages students to acquire and use the intellectual tools, knowledge, and creative capabilities necessary to study the world as it is, as it has been understood, and as it might be imagined. General education furnishes students with skills that enable them to deepen that understanding and to communicate it to others. 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.

Students who complete minimum 42 credit hour transferable general education program MOTR CORE 42 curriculum requirements will acquire a broad base of knowledge from the traditional disciplines of the arts and sciences as well as competency in academic skills embedded across this curriculum that serve as the foundation for continued learning, acquiring new skills, successful citizenship, and personal accomplishment. They will have met the high expectations embodied in the mission and values of Jefferson College, as well as the statewide general education policy.

General Education Program Foundation Knowledge Blocks		General Education Academic Skills bind the knowledge blocks to set the firm foundation of general education

Jefferson College has constructed blocks of general education courses required for each associate degree that are designed to build this foundation of knowledge and skills. The General Education Program curriculum includes a range of courses from the traditional disciplines of the arts and sciences to ensure a broad base of knowledge from multiple disciplines. Through the courses in these blocks, students gain knowledge of the unique terminology, concepts, assumptions, theories, key figures, events, procedures, and practices distinctive to each discipline. General education also introduces students to the connections between these disciplines and the potential for interaction among all branches of knowing, ordering, and imagining the real world. This block of courses is designed to be accepted as equivalent to corresponding general education programs at other institutions.

Jefferson College General Education Program Foundation Knowledge Blocks				
Required General Education program curriculum for each associate degree consists of courses in the following areas (see specific degree requirements for a list of General Education courses in each of these areas).				
Social & Behavioral Sciences Foundation Block	Written & Oral Communications Foundation Block	Natural Sciences Foundation Block	Mathematical Sciences Foundation Block	Humanities and Fine Arts Foundation Block

This general education program curriculum at Jefferson College is aligned with the Missouri Transfer (MOTR) CORE 42 guidelines for curricular goals and student competencies found at the Missouri Department of Higher Education (MDHE) MOTR CORE 42 webpage https://journeytocollege.mo.gov/finish/transfer-credit/core-42/.

Missouri Transfer (MOTR) CORE 42 General Education Requirements

Missouri statewide general education course of study is intended to ensure that all graduates possess a common core of college-level skills and knowledge. The statewide general education policy grants each institution of higher education in Missouri the privilege and responsibility to exercise their academic and institutional autonomy to design a program of general education that:
- is developed by the faculty
- is validated by the institution's administration and governing board
- reflects the institution's mission
- is consistent with the statewide guidelines which embody the high expectations for the academic skills and knowledge that all students who complete degrees should master.

Students who complete the CORE 42 at any Missouri public institution of higher education shall be considered as having completed all lower-division general education requirements at a receiving public institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. The receiving Missouri public institution cannot require the student take any additional lower-division general education courses. The student may, however, have to take additional lower-division courses to fulfill program or institutional requirements.

CORE 42 completion requires at least 42 credit hours of MOTR aligned courses with a minimum cumulative grade point average of 2.00, distributed among the Knowledge Areas as listed below.
- The Associate of Arts (A.A.) transfer degree requires completion of the CORE 42.
- Students pursuing other degrees (A.A.T., A.F.A., A.S., & A.A.S.) may complete all or just a portion of the CORE 42 as part of their specific degree requirements.

Students who do not complete either the Associate of Arts or the CORE 42 shall receive credit at a receiving Missouri public institution for each MOTR course completed at a sending institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. After receiving credit for MOTR courses, the student shall complete the general education program or CORE 42 at the receiving institution.

Social & Behavioral Sciences	Written Communications	Oral Communications	Natural Sciences	Mathematical Sciences	Humanities & Fine Arts
9 credit hours minimum from at least 2 disciplines, including at least one Civics course	6 credit hours minimum	3 credit hours minimum	7 credit hours minimum from at least 2 disciplines, including one course with a lab component	3 credit hours minimum.	9 credit hours minimum, from at least 2 disciplines; Limit of 3 credit hours in PERF credits.

Individual courses that comprise the general education program CORE 42 curriculum for most* degrees are recognized as equivalent to a Missouri Transfer Guaranteed CORE 42 course. These courses are designated with a Missouri Transfer (MOTR) course number, which guarantees the one-to-one transfer of these courses among all Missouri public institutions of higher education. The credit received for any individual course with a MOTR prefix shall not only fulfill the specific discipline-area within the CORE 42 framework, but will also fulfill any other requirements or pre-requisites that the course satisfies.

*Degrees other than the A.A. are aligned as closely as possible to the MOTR CORE courses and structure. Some variations/exceptions exist and are allowed by Missouri Department of Higher Education (MDHE) due to unique academic needs and/or accreditation requirements for specific degrees, existing transfer and articulation agreements, and degree plans/curriculum approved MDHE.

SOCIAL & BEHAVIORAL SCIENCES

Examining diverse historical and social events as well as personal experiences in order to determine possible sequences, relationships, and causes.

A.A.	9 hours	(Three courses required from at least two disciplines with 3 hours from Civics course)
A.A.T.	9 hours	(Three courses required to include 3 hours from Civics course and 6 hours from psychology)
A.F.A.	6 hours	(Two courses required to include 3 hours from Civics course and 3 hours from Social & Behavioral Sciences
A.S. Engineering	6-9 hours	(Two to three courses required with 3 hours from Civics course; 3 hours from economics course; and one course from either Social and Behavioral Sciences OR Humanities and Fine Arts)
A.S. Engineering Technology	9-12 hours	(Three to four courses required with 6 hours from Civics courses; 3 hours from economics course; and one course from either Social and Behavioral Sciences OR Humanities and Fine Arts)
A.A.S.	6 hours	(Two courses required with at least 3 hours from Civics course)

See specific degree plans for courses required/recommended for each specific degree. **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**

Jefferson College	MOTR CORE 42
ANTHROPOLOGY	**ANTHROPOLOGY**
SOC115 Cultural Anthropology	MOTR ANTH 201 Cultural Anthropology
COMMUNICATIONS	**COMMUNICATIONS**
COM130 Introduction to Mass Communications	MTR SBSC 100 Introduction to Mass Communications
CRIMINAL JUSTICE	**CRIMINAL JUSTICE**
CRJ110 Introduction to Criminal Justice	MOTR CRJS 101 Introduction to Criminal Justice
ECONOMICS	**ECONOMICS**
ECO100 Introduction to Economics	MOTR ECON 100 Introduction to Economics
ECO101 Macroeconomics	MOTR ECON 101 Introduction to Macroeconomics
ECO102 Microeconomics	MOTR ECON 102 Introduction to Microeconomics
GENERAL	**GENERAL**
COM130 Introduction to Mass Media	MOTR SBSC 100 Introduction to Mass Communications
GEOGRAPHY	**GEOGRAPHY**
GEO103 World Regional Geography	MOTR GEOG 101 World Regional Geography
HISTORY	**HISTORY**
HST103(H) U.S. History I to Reconstruction [Civics course]	MOTR HIST 101 American History I
HST104(H) U.S. History II from Reconstruction [Civics course]	MOTR HIST 102 American History II
POLITICAL SCIENCE	**POLITICAL SCIENCE**
PSC102(H) U.S. and Missouri Governments and Constitutions [Civics course]	MOTR POSC 101 American Government
PSC155 International Relations	MOTR POSC 201 International Relations
PSYCHOLOGY	**PSYCHOLOGY**
PSY101(H) General Psychology	MOTR PSYC 100 General Psychology
PSY205 Life Span Human Development	MOTR PSYC 200 Life Span Human Development
SOCIOLOGY	**SOCIOLOGY**
SOC101(H) General Sociology	MOTR SOCI 101 General Sociology
SOC250 Social Problems	MOTR SOCI 201 Social Problems

COMMUNICATION

Writing and speaking clearly and concisely using edited American English.

A.A.	9 hours	(6 hours in written communication and 3 hours in oral communication)
A.A.T.	9 hours	(6 hours in written communication and 3 hours in oral communication)
A.F.A.	6 hours	(3 hours from ENG 101 English Composition I and 3 hours from either Written or Oral Communications)
A.S. **Engineering**	3 hours	(3 hours in written communication)
A.S. **Engineering** **Technology**	9 hours	(6 hours in written communication and 3 hours in oral communication)
A.A.S.	3-6 hours	(3 hours in written communication and 3 hours from either Communications OR Humanities and Fine Arts)

See specific degree plans for courses required/recommended for each specific degree. **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**

WRITTEN COMMUNICATIONS

Jefferson College	MOTR CORE 42
ENG101(H) English Composition I	MOTR ENGL 100 Composition I
ENG102(H) English Composition II	MOTR ENGL 200 Composition II

ORAL COMMUNICATIONS

Jefferson College	MOTR CORE 42
COM100(H) Fundamentals of Communication	MOTR COMM 100 Introduction to Communications
COM110 Public Speaking	MOTR COMM 110 Fundamentals of Public Speaking

NATURAL AND MATHEMATICAL SCIENCES

Analyzing scientific and mathematical concepts and their uses and impact in the modern world.

A.A.	10 hours	(3 hours from mathematical sciences and 7 hours combined from one biological sciences course and one physical sciences course with at least one of those courses with laboratory)
A.A.T.	10 hours	(3 hours from mathematical sciences and 7 hours combined from one biological sciences course and one physical sciences course with at least one of those courses with laboratory)
A.F.A.	6 hours	(3 hours from mathematical sciences and 3 hours from natural sciences)
A.S. Engineering	15 hours	(5 hours from mathematical sciences and 10 hours from physical sciences courses with both of those courses with laboratory)
A.S. Engineering Technology	15 hours	(5 hours from mathematical sciences and 10 hours from physical sciences courses with both of those courses with laboratory)
A.A.S.	6 hours	(6 hours from either mathematical sciences, biological sciences, OR physical sciences)

See specific degree plans for courses required/recommended for each specific degree. **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**

BIOLOGICAL SCIENCES   *courses with laboratory*

Jefferson College	MOTR CORE 42
BIOLOGY	**BIOLOGY**
BIO102 Concepts in Biology	MOTR BIOL 100 Essentials in Biology
BIO109 Ecology and Environmental Conservation	MOTR BIOL 100EC Essentials in Biology
BIO101(H) General Biology*	MOTR BIOL 100L Essentials in Biology with Lab
BIO205 General Botany*	MOTR BIOL 150L Biology with Lab
BIO206 General Zoology*	MOTR BIOL 150LZ Biology with Lab
LIFE SCIENCES	**LIFE SCIENCES**
BIO116 Anatomy and Physiology for Pre-Hospital Healthcare	MOTR LIFS 100AP Essentials in Human Biology
BIO120 Human Anatomy and Physiology*	MOTR LIFS 150LAP Human Biology with Lab
BIO211 Anatomy and Physiology I*	MOTR LIFS 150LAP Human Biology with Lab
PTA100 Anatomy and Physiology I for Physical Therapist Assistants* – for select A.A.S. degree only	*NO MOTR CORE 42 course equivalent*
BIO207 Vertebrate Anatomy* – for select A.A.S. degree only	*NO MOTR CORE 42 course equivalent*
BIO208 Vertebrate Physiology* – for select A.A.S. degree only	*NO MOTR CORE 42 course equivalent*
BIO212 Anatomy and Physiology II* – for select A.A.S. degrees only	*NO MOTR CORE 42 course equivalent*

PHYSICAL SCIENCES

courses with laboratory

Jefferson College	MOTR CORE 42
ASTRONOMY	**ASTRONOMY**
PHY106 Introduction to Astronomy*	MOTR ASTR 100L Astronomy with Lab
CHEMISTRY	**CHEMISTRY**
CHM102 Concepts in Chemistry	MOTR CHEM 100 Essentials in Chemistry
CHM101 Introductory Chemistry*	MOTR CHEM 100L Essentials in Chemistry with Lab
CHM111(H) General Chemistry I*	MOTR CHEM 150L Chemistry I with Lab
GEOLOGY	**GEOLOGY**
PHY105 Physical Geology*	MOTR GEOL 100L Geology with Lab
PHYSICAL SCIENCES	**PHYSICAL SCIENCES**
PHY102 Topics in Physical Science	MOTR PHYS 110 Essentials in Physical Sciences
PHY101 Survey of Physical Science*	MOTR PHYS 110L Essentials in Physical Sciences with Lab
PHYSICS	**PHYSICS**
PHY111 Elementary College Physics I*	MOTR PHYS 150L Physics I with Lab
PHY223 General Physics*	MOTR PHYS 200L Advanced Physics I with Lab

NATURAL AND MATHEMATICAL SCIENCES

Analyzing scientific and mathematical concepts and their uses and impact in the modern world.

A.A.	10 hours	(3 hours from mathematical sciences and 7 hours combined from one biological sciences course and one physical sciences course with at least one of those courses with laboratory)
A.A.T.	10 hours	(3 hours from mathematical sciences and 7 hours combined from one biological sciences course and one physical sciences course with at least one of those courses with laboratory)
A.F.A.	6 hours	(3 hours from mathematical sciences and 3 hours from natural sciences)
A.S. Engineering	15 hours	(5 hours from mathematical sciences and 10 hours from physical sciences courses with both of those courses with laboratory)
A.S. Engineering Technology	15 hours	(5 hours from mathematical sciences and 10 hours from physical sciences courses with both of those courses with laboratory)
A.A.S.	6 hours	(6 hours from either mathematical sciences, biological sciences, OR physical sciences)

See specific degree plans for courses required/recommended for each specific degree. **Consult your advisor for assistance in selecting the Mathematical Sciences course for your specific degree, major, and transfer institution requirements.**

MATHEMATICAL SCIENCES

Jefferson College	MOTR CORE 42
BIOLOGY	**BIOLOGY**
MGT103 Business Math – for select A.A.S. degrees only	*NO MOTR CORE 42 course equivalent*
MTH105 Industrial Math – for select A.A.S. degrees only	*NO MOTR CORE 42 course equivalent*
MTH110 Introductory Algebra – for select A.A.S. degrees only	*NO MOTR CORE 42 course equivalent*
MTH121 Technical Math I – for select A.A.S. degrees only	*NO MOTR CORE 42 course equivalent*
MTH128 Intermediate Algebra – for select A.A.S. degrees only	*NO MOTR CORE 42 course equivalent*
MTH130 Structure of the Real Number System - for A.A.T. Elementary/Early Childhood degree and select A.A.S. degree only	*NO MOTR CORE 42 course equivalent*
MTH132 Introductory Statistics	MOTR MATH 110 Statistical Reasoning
MTH131 Survey of College Mathematics	MOTR MATH 120 Mathematical Reasoning & Modeling
MTH134(H) College Algebra	MOTR MATH 130 Pre-Calculus Algebra
MTH141 Precalculus	MOTR MATH 150 Pre-Calculus
MTH161 Calculus for Business and the Social**	*NO MOTR CORE 42 course equivalent**
MTH168 Probability and Statistics**	*NO MOTR CORE 42 course equivalent**
BUS168 Business Statistics**	*NO MOTR CORE 42 course equivalent**
MTH172 Linear Algebra	*NO MOTR CORE 42 course equivalent**
MTH180 Calculus I**	*NO MOTR CORE 42 course equivalent**

**Students who directly place into and successfully complete (C or better) an advanced mathematical sciences 3+ credit hour course with one of the above MTH general education MOTR courses as a prerequisite meet the general education CORE 42 requirement of a minimum of 3 credit hours in Mathematical Sciences. • Three credit hours from this course may apply to meet the Mathematical Sciences and overall total of 42 credit hours for CORE 42 completion. Credits in excess of these three apply to degree requirements/electives. • Students have the option of having the prerequisite course credit hours posted to their transcript for the normal credit hour posting fee.	** Mathematical sciences courses that use one of the MOTR math pathway courses as a prerequisite will meet the CORE 42 mathematical sciences knowledge area requirement for the minimum of 3 credit hours.* *For example, Calculus meets the CORE 42 mathematical sciences requirement since Pre-Calculus Algebra is a prerequisite. Three credit hours from the advanced non-MOTR course can be applied to the CORE 42 mathematical sciences knowledge area requirement for students not required to take the prerequisite MOTR course.*

**Direct placement into MTH161 Calculus for Business and the Social Science AND successful completion with C or higher meets the Mathematical Sciences minimum 3 credit hours requirement. Three credit hours from this course may apply to general education and/or CORE 42 mathematical sciences OR may post credit for prerequisite MTH134 College Algebra 3 credit hours for the normal credit hour posting fee.

**Direct placement into MTH168 Probability and Statistics AND successful completion with C or higher meets the Mathematical Sciences minimum 3 credit hours requirement. Three credit hours from this course may apply to general education and/or CORE 42 mathematical sciences OR may post credit for prerequisite MTH134 College Algebra 3 credit hours for the normal credit hour posting fee.

**Direct placement into BUS168 Business Statistics AND successful completion with C or higher meets the Mathematical Sciences minimum 3 credit hours requirement. Three credit hours from this course may apply to general education and/or CORE 42 mathematical sciences OR may post credit for prerequisite MTH134 College Algebra 3 credit hours for the normal credit hour posting fee.

**Direct placement into MTH180 Calculus I AND successful completion with C or higher meets the Mathematical Sciences minimum 3 credit hours requirement. Three credit hours from this course may apply to general education and/or CORE 42 mathematical sciences with two credit hours applied to degree requirements/electives OR may post credit for prerequisite MTH141 Precalculus 5 credit hours for the normal credit hour posting fee.

HUMANITIES AND FINE ARTS

Analyzing the themes of human experiences through exploration of great works and ideas.

A.A. 9 hours (Three courses from at least two disciplines with a limit of 3 hours of performance classes applied to Humanities and Fine Arts)

A.A.T. 9 hours (Three courses from at least two disciplines with a limit of 3 hours of performance classes applied to Humanities and Fine Arts)

A.F.A. 9 hours (Three specific courses - ART103, ART105, ART115; other ART performance classes apply to degree requirements/options)

A.S. Engineering 0-3 hours (One course from either Humanities and Fine Arts OR Social and Behavioral Sciences; performance classes do not apply to either Humanities and Fine Arts and/or total general education)

A.S. Engineering Technology 3-6 hours (One to two courses required with 3 hours from Logic; and one course from either Humanities and Fine Arts OR Social and Behavioral Sciences; performance classes do not apply to either Humanities and Fine Arts and/or total general education)

A.A.S. 0-3 hours (3 hours from either Humanities OR Communications; performance classes do not apply to either Humanities and Fine Arts and/or total general education)

See specific degree plans for courses required/recommended for each specific degree. **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**

Jefferson College	MOTR CORE 42
ART	**ART**
ART101 Art Appreciation	MOTR ARTS 100 Art Appreciation
ART103 Survey of Art I	MOTR ARTS 101 Art History I
ART105 SURVEY OF ART II	MOTR ARTS 102 Art History II
CIVILIZATION AND CULTURE	**CIVILIZATION**
HST201 Ancient and Medieval Civilization	MOTR WCIV 101 Western Civilization I
HST202 Renaissance to Early Modern Europe	MOTR WCIV 102 Western Civilization II
EDU240 Multicultural Education - for A.A.T. degree only	*NO MOTR CORE 42 course equivalent**
FOREIGN LANGUAGE	**FOREIGN LANGUAGE**
FRN101 Beginning French	MOTR LANG 101 French I
FRN102 Intermediate French	MOTR LANG 102 French II
GRM101 Beginning German	MOTR LANG 105 Foreign Language I
GRM102 Intermediate German	MOTR LANG 106 Foreign Language II
SPN101 Beginning Spanish	MOTR LANG 103 Spanish I
SPN102 Intermediate Spanish	MOTR LANG 104 Spanish II
LITERATURE	**LITERATURE**
EDU245 Literature for Children - for A.A.T. Elementary/ Early Childhood degree only	*NO MOTR CORE 42 course equivalent**
ENG105 Poetry and Short Story	MOTR LITR 100P Introduction to Literature – Poetry
ENG106 Drama and Short Novel	MOTR LITR 100D Introduction to Literature – Drama
ENG122 Film Appreciation: Introduction to Cinema	MOTR FILM 100 Introduction to Film Studies
ENG215(H) World Literature: Before 1650	MOTR LITR 200A World Literature – Antiquity to 1660
ENG216(H) World Literature: After 1650	MOTR LITR 200B World Literature – 1660 to Present Day
ENG225 English Literature: Before 1800	MOTR LITR 102A British Literature: Beginning to 18th Century
ENG226 English Literature: After 1800	MOTR LITR 102B British Literature: Late 18th Century to Present
ENG228 American Literature: Before 1865	MOTR LITR 101A American Literature I – Pre-Colonial through the end of the Civil War
ENG229 American Literature: After 1865	MOTR LITR 101B American Literature II– Civil War to the Present
ENG250(H) Mythology	MOTR LITR 201 Mythology

Jefferson College	MOTR CORE 42
MUSIC	**MUSIC**
MSC101 Fundamentals of Music	MOTR MUSC 101 Music Fundamentals
MSC131 Music Appreciation	MOTR MUSC 100 Music Appreciation
MSC135 History of Rock and Roll	MOTR MUSC 100RP Music Appreciation – Rock/Pop
MSC133 Jazz Appreciation	MOTR MUSC 100J Music Appreciation – Jazz
MSC137 World Music	MOTR MUSC 102 World Music
MSC231 Music Literature: Before 1750	MOTR MUSC 103 Music History I
MSC232 Music Literature: After 1750	MOTR MUSC 104 Music History II
PHILOSOPHY	**PHILOSOPHY**
PHL102(H) Introduction to Philosophy	MOTR PHIL 100 Introduction to Philosophy
PHL101 Logic	MOTR PHIL 101 Introduction to Logic
PHL202(H) Ethics	MOTR PHIL 102 Introduction of Ethics
PHL203 Medical Ethics – for select A.A.S. degree only	*NO MOTR CORE 42 course equivalent**
PHL204 Business & Professional Ethics	MOTR PHIL 102P Introduction to Ethics-Business & Professional
RELIGION	**RELIGION**
PHL201 World Religions	MOTR RELG 100 World Religion
THEATRE	**THEATRE**
THT100(H) Theatre Appreciation	MOTR THEA 100A Theatre Appreciation
PERFORMANCE	**PERFORMANCE**
	Limit of 3 credit hours in PERF credits can be applied to the Humanities and Fine Arts Knowledge Area and total CORE 42.
ART115 Drawing I - for A.A., A.A.T., and A.F.A. degrees only	MOTR PERF 105D Studio Art – Drawing
ART123 Ceramics/Pottery I - for A.A., A.A.T., and A.F.A. degrees only	MOTR PERF 105C Studio Art - Ceramics
ART141 Painting I - for A.A., A.A.T., and A.F.A. degrees only	MOTR PERF 105P Studio Art - Painting
ART143 Landscape Painting I - for A.A., A.A.T., and A.F.A. degrees only	MOTR PERF 105P Studio Art - Painting
ART150 Digital Photography I - for A.A., A.A.T., and A.F.A. degrees only	MOTR PERF 105GA Studio Art - Graphic Arts
ART160 Graphic Design I - for A.A., A.A.T., and A.F.A. degrees only	MOTR PERF 105GA Studio Art - Graphic Arts
ENG104 Creative Writing - for A.A., A.A.T., and A.F.A. degrees only	MOTR PERF 106 Creative Writing
MSC259 Concert Chorale - for A.A. and A.A.T. degrees only	MOTR PERF 102C Music Performance – Choir
MSC144 Woodwind Ensemble - for A.A. and A.A.T. degrees only	MOTR PERF 102B Music Performance - Band
MSC145 Brass Ensemble - for A.A. and A.A.T. degrees only	MOTR PERF 102B Music Performance – Band
MSC146 Percussion Ensemble - for A.A. and A.A.T. degrees only	MOTR PERF 102B Music Performance – Band
MSC152 Concert Band - for A.A. and A.A.T. degrees only	MOTR PERF 102B Music Performance – Band
MSC241 Small Jazz Combo - for A.A. and A.A.T. degrees only	MOTR PERF 102B Music Performance – Band
MSC251 Jazz Ensemble - for A.A. and A.A.T. degrees only	MOTR PERF 102B Music Performance – Band
THT110 Beginning Acting - for A.A. and A.A.T. degrees only	MOTR PERF 100 Acting I
THT120 Stagecraft - for A.A. and A.A.T. degrees only	MOTR PERF 104S Stagecraft

Jefferson College General Education Academic Skills Competencies bind the knowledge blocks to set the firm foundation of general education

Embedded across the General Education program curriculum as well as in more advanced coursework, students learn the following academic skills, characteristics, and practices that reflect the competencies of educated persons needed for continuous learning in complex, diverse, and changing environments; full civic engagement; and fulfillment of personal life goals. These academic skill competencies help students continue to learn and acquire new skills to deal with constantly evolving environments. Competency in these academic skills are developed and applied over the full General Education program curriculum, not in any single course.

Upon completion of the full 42-credit hour General Education program curriculum required for the A.A. transfer degree, students are expected to be able to demonstrate competency in skills related to communicating, higher-order thinking, managing information, and valuing:

Communication

Communicate effectively through critical reading and listening, as well as clear writing and speaking, using appropriate modes or methods of delivery.

Civic Engagement

Explain the importance of civic engagement to one's own life, the community, and the global society.

Creativity and Innovation

Synthesize or generate ideas, works, or expertise in imaginative ways characterized by innovation, divergent thinking, and risk taking.

Critical Thinking

Apply logic, scientific methodology, and quantitative reasoning to develop, express, and defend solutions and conclusions across the curriculum.

Ethical and Social Responsibility

Demonstrate and assess the impact of ethical decision-making and collaborative teamwork in academic, social, and professional settings.

Information Literacy

Identify, access, and critically evaluate relevant information sources for use in creating new knowledge, solving problems, and participating ethically in communities of learning.

Technology Literacy

Select and utilize appropriate technology to achieve academic and professional objectives.

Understanding and Engaging Diverse Perspectives

Analyze the theoretical, historical, and practical dimensions of local and global systems and the diverse ways in which individuals and societies make and express meaning.

Statewide and Institutional Requirements

Jefferson College, as a member of the Missouri Community College Association (MCCA), follows the Missouri Department of Higher Education (MDHE) statewide guidelines for public postsecondary institutions establishing college readiness standards for students entering community colleges. In addition to the statewide guidelines, Jefferson College has institutional requirements for fundamental skills or experiences that indicate readiness for college. These skills and experiences are necessary for attainment of knowledge as well as acquisition of skills, characteristics, and practices of educated persons in higher education. Basic competencies in these skills should be demonstrated early in one's academic career.

The statewide and institutional requirements include the following fundamental skills or experiences:

Academic Preparedness - Reading, Writing, and Mathematics Proficiency:

Evidencing readiness for college-level reading, writing, and mathematics.

All degrees (A.A., A.A.T., A.F.A., A.S., A.A.S.) *and some certificates*	0 hours	(Meet through placement process or developmental coursework with course numbers that begin with "0" which are not applied as college-level credit toward a degree or certificate)

Computer Literacy Proficiency:

Demonstrating the use of computer information systems for personal, cultural, intellectual, occupational, or social development.

A.A.	3 hours	(Meet through examination or coursework which counts as elective credit)
A.A.T.	3 hours	(Meet through required Teacher Education course)
A.F.A.	6 hours	(Meet through required A.F.A. Fine Arts Art or Music major courses)
A.S.	5 hours	(Meet through required A.S. degree Engineering or Engineering Technology course)
A.A.S. *and* *some certificates*	3 hours	(Meet through examination or coursework which either counts as an elective credit or fulfills specific departmental/program/major requirement)

First Year Experience:

Addressing the issues of proper preparation of first year students in the areas of academic skills, reasonable expectations, and behaviors to include how to navigate the processes and procedures of Jefferson College.

All degrees (A.A., A.A.T., A.F.A., A.S., A.A.S.) *and some certificates*	1-3 hours	(Meet through coursework which counts as elective credit. Transfer students with at least 15 college credit hours and a 2.0 GPA and/or Apprenticeship Training students are exempt from this requirement)

Total Credit Hours for the Associate Degree:

I. **Associate of Arts Degree – Statewide general studies liberal arts degree – minimum 62 credit hours:**
  a. General education requirements – 42 credit hours as mandated by the Missouri Higher Education Core Transfer Act
  b. Institutional Requirements – 20 credit hours to include computer literacy and first year experience, if applicable

II. **Associate of Arts in Teaching Degree – Statewide teacher education transfer degree – minimum 62 credit hours:**
  a. General education requirements – minimum 42 credit hours
  b. Required core education courses, including computer literacy – 13 credit hours
  c. Required approved electives, including first year experience, if applicable – 7 credit hours

III. **Associate of Fine Arts in Art Degree – Fine arts transfer degre – minimum 67 credit hours:**
  a. General education requirements – minimum 27 credit hours
  b. Required core art courses, including computer literacy – 18 credit hours
  c. Required approved electives, including first year experience, if applicable – 22 credit hours

IV. **Associate of Fine Arts in Music Degree – minimum 66 credit hours:**
  a. General education requirements – minimum 27 credit hours
  b. Required core music courses, including computer literacy – 32 credit hours
  c. Required approved electives – 6 credit hours
  d. First year experience, if applicable 1 – 3 credit hours

V. **Associate of Science – Engineering Emphasis – minimum 64 credit hours**
  a. General education requirements to include computer literacy – 27 credit hours
  b. Required courses – 27 hours
  c. Required approved technical electives – 9 hours
  d. First year experience, if applicable – 1-3 credit hours

VI. **Associate of Science – Engineering Technology Emphasis – minimum 65 credit hours**
  a. General education requirements to include computer literacy – 42 credit hours
  b. Required technical courses – 22 hours
  c. First year experience, if applicable – 1-3 credit hours

VII. Associate of Applied Science – hours will vary depending on degree
  a. General education requirements – minimum 18 credit hours
  b. Required electives – will vary by degree
  c. First year experience, if applicable – 1-3 credit hours
  d. Computer literacy – 3 credit hours

VIII. **Certificate Requirements – hours and technical requirements will vary**

*Total will vary depending on departmental/program/major requirements

Associate of Arts Degree

The Associate of Arts (A.A.) degree is designed as the statewide general studies liberal arts transfer degree. This degree is structured for entry into a range of baccalaureate degree programs offered by four-year colleges or universities. The A.A. degree requires completion of a minimum of 42 credit hours within the General Education CORE 42 program as well as 20+ hours of elective credit which may include institutional requirements.

General education includes courses commonly required for a wide variety of programs of study and is the curricular foundation of a liberal arts (Arts and Science) education. Details regarding the Jefferson College General Education program knowledge areas from the traditional disciplines of the arts and sciences as well as the academic skills competencies embedded across the curriculum are found on pages 57-69. In order to ensure transferability, the General Education program requirements for A.A. degrees consist of a minimum 42 general education CORE 42 credit hours designed to be equivalent to corresponding blocks of general education credit at other public and signatory institutions as detailed in the statewide Articulation and Transfer Agreement among Missouri Colleges and Universities and Missouri Department of Higher Education (MDHE) MOTR CORE 42 webpage https://journeytocollege.mo.gov/finish/transfer-credit/core-42/.

Elective courses should be carefully chosen to ensure applicability to the baccalaureate graduation requirements for the program of study which the student intends to pursue at a four-year college or university. Students assume full responsibility for meeting specified degree and/or major requirements, including those related to course prerequisites. Consequently, the student pursuing an A.A. degree has the responsibility to become familiar with the specific major and graduation requirements of the four-year institution to which transfer is intended. Students are encouraged to work with their faculty/academic advisor in selecting courses. The Associate of Arts degree elective course options are designed to prepare the student for further study in the following areas:

Accounting	Fine Arts/Humanities	Liberal Arts	Social/Behavioral Sciences
Business Administration	Art *(see Associate of Fine Arts degree)*	Life Sciences	Economics
Communications	Communication	Biology	Geography
Computer Science	Foreign Language	Botany	History
Criminal Justice	Journalism	Ecology	Political Science
Education *(see Associate of Arts in Teaching degree)*	Music	Zoology	Psychology
English	Philosophy	Mathematics	Sociology
Engineering *(see Associate of Science degree)*	Theatre	Physical Sciences	Social Work
	TV Production	Astronomy	
		Chemistry	
		Geology	
		Physics	

Students are encouraged to complete all requirements for the Associate of Arts degree before transfer as transfer of General Education program credits is greatly facilitated if all requirements for the Associate of Arts degree are met.
Students who complete the Associate of Arts degree at a Missouri community college and transfer to a Missouri public university shall have completed all lower-division general education requirements at the receiving public institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. The receiving public institution cannot require the student take any additional lower-division general education courses. The student may, however, have to take additional lower-division courses to fulfill program or institutional requirements.

This means that students who complete the 42 credit hours of courses within the General Education MOTR CORE 42 program, as certified by the Registrar, before transferring will not have additional general education or other lower-division institutional requirements imposed by the receiving public institution unless they are also requirements of native students. This is also the case for students transferring to Jefferson College who are certified as having completed the sending public institution's 42 credit hour General Education program. Jefferson College students should contact the Office of Enrollment Services at (636)481-3209 or (636)797-3000, ext. 3209, to certify that the 42 credit hour General Education MOTR CORE 42 program has been met. Students who transfer from Jefferson College before certification by the Registrar (the designated Transfer Articulation Officer) as having completed their General Education program requirements will have their transcript reviewed by the receiving institution on a course-by-course basis. Likewise, students transferring to Jefferson College who are not certified as having completed a corresponding 42 credit hour block of general education will have their transcript reviewed on a course-by-course basis.

Associate of Arts General Education Program Requirements:
Jefferson College General Education Program Curriculum aligned to MOTR CORE 42

The Associate of Arts (A.A.) transfer degree requires completion of the MOTR CORE 42 General Education program curriculum. **CORE 42 completion** requires at least 42 credit hours of MOTR aligned courses with a minimum cumulative grade point average of 2.00, distributed among the Knowledge Areas as listed below. See pages 59-65 for a list of courses with MOTR equivalents in each of these knowledge areas.

Students who **complete the CORE 42** at any Missouri public institution of higher education shall be considered as having completed all lower-division general education requirements at a receiving public institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. The receiving Missouri public institution cannot require the student take any additional lower-division general education courses. The student may, however, have to take additional lower-division courses to fulfill program or institutional requirements.

Students who change degrees will be required to meet the general education requirements of the new degree. Students who do not complete either the Associate of Arts or the CORE 42 shall receive credit at a receiving Missouri public institution for each MOTR course completed at a sending institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. After receiving credit for MOTR courses, the student shall complete the general education program or CORE 42 at the receiving institution.

Social & Behavioral Sciences	Written Communications	Oral Communications	Natural Sciences	Mathematical Sciences	Humanities & Fine Arts
9 credit hours minimum from at least 2 disciplines, including at least one Civics course A.A. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	6 credit hours minimum A.A. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum A.A. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	7 credit hours minimum from at least 2 disciplines (Biological <u>and</u> Physical), including one course with a lab component A.A. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum** A.A. requires: Courses with MOTR equivalence or ** successful completion of MTH161, 168, 180 or BUS168. **Consult your advisor for assistance in selecting the Mathematical Sciences course for your specific degree, major, and transfer institution requirements.**	9 credit hours minimum, three courses from at least 2 disciplines with a limit of 3 hours of performance classes applied to Humanities and Fine Arts A.A. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**

CORE 42 MOTRANSFER GUARANTEED

General Education Option

5 credit hours from any general education course with MOTR equivalence except performance classes

Associate of Arts Institutional Requirements:

Computer Literacy Proficiency 3 credit hours

Computer literacy proficiency skills are demonstrated through examination or course completion with a grade of "C" or better. The following courses apply as elective credit hours:

CIS125 Computer Concepts and Applications
EDU205 Educational Technology

First Year Experience 1-3 credit hours (apply as elective credit hours)

One of the following required:
COL100 Freshman Seminar
COL101 Introduction to College: Strategies for Success
COL136 Mastering the College Experience
EDU105 Exploring the Field of Education (for A.A., A.A.T. and A.F.A. degrees)

Associate of Arts Elective Requirements:

Elective Courses 20 credit hours

Electives should be carefully chosen to ensure applicability to the baccalaureate graduation requirements for the program of study which the student intends to pursue at a four-year college or university.

20 credit hours from the following with course numbers greater than or equal to 100:

ART
BIO
BUS101,120,168,240,241,245,246,261,265
CHM
CIS125,129,153,155
COL
COM
CRJ110,112,114,120,130,135,140,220,222,224,230,242
ECO
EDU
EGR
ENG
FRN
GEO
GRM

GUD
HPE *(No more than four hours of physical education activity courses may be counted toward a degree)*
HST
HUM
MSA/C *(No more than four hours of performance credit in music courses may be counted toward a degree)*
MTH110,128+ ECE102,103,108,212
PHL
PHY
PSC
PSY
SOC
SPN
SWK
THT

Global Studies Program

The Global Studies Program is a specially designed curriculum to meet the needs of students who have interests in foreign language development, world cultural geography, and global issues. These students may take internationally focused courses to meet part of their general education requirements for the associate degree.

For more information, please contact the Global Studies Program Coordinator, Lisa Hollander, at (636)481-3352/ 797-3000, ext. 3352, or lholland@jeffco.edu.

Honors Program

The Honors Program is a curriculum designed to meet the needs of students who have demonstrated academic excellence and who wish to take challenging, interesting, even unusual courses to meet their general education requirements.

Students interested in the Honors Program must meet two of the three admissions criteria:
- a 3.30 grade point average (GPA) on a 4.0 scale
- ACT composite score of 24
- the recommendation of an instructor or counselor

To qualify for Honors Program distinction, students must earn an associate's degree. They must have a 2.5 GPA in honors courses and at least a 3.30 cumulative GPA at the time of graduation. Students will be awarded an Honors Program Certificate if they have completed a total of 6-11 credit hours in Jefferson College honors courses and have the required grade point average. Students with 12 or more hours of Jefferson College honors courses and who have the required grade point average will be awarded an Honors Diploma. All Honors Program graduates' names will be placed on a plaque in the Honors Resource Room, and all will be given purple cords of distinction to wear at Commencement ceremonies. Please contact Susan Todd, Honors Program Director, at (636)481-3347/797-3000, ext. 3347, for more information.

Pre-Social Work Program

The Pre-Social Work Program is a curriculum designed specifically to meet the needs of students preparing for eventual completion of a bachelor's degree in Social Work (BSW) at a Council on Social Work Education-accredited college or university. This course of study facilitates a more seamless transfer into a BSW program upon graduation from Jefferson College with an Associate of Arts degree. Required components for this endorsement include completion of SWK105, Introduction to Social Work and SWK110, Social Work Lab, with grades of "B" or better; and SOC125, Human Diversity, and SOC240, Marriage and Family, with grades of "C" or better. Requirements also include a cumulative GPA of 2.5, completion of all Associate of Arts degree requirements, and a recommendation from a Jefferson College Social Work faculty member.

For more information, please contact the Pre-Social Work Program Coordinator, Suzie Welch, at (636)481-3435/ 797-3000, ext. 3435, or swelch1@jeffco.edu.

Last Name _____   First _____

ASSOCIATE OF ARTS TRANSFER DEGREE (62 credit hours) - effective 2020-2021
Minimum 2.00 Cumulative Grade Point Average for both CORE 42 and Degree. 15 hour residency requirement.

			Course Areas	**Course Numbers**	Done	Now	Need
A.A. GENERAL EDUCATION CORE 42 OPTIONS AND REQUIREMENTS (42 credit hours)	**Commun-ications**	6 hours	*Written Communications*	ENG 101(H)			
				ENG 102(H)			
		3 hours	*Oral Communications*	COM 100(H) or 110			
	Humanities and Fine Arts	9 hours from at least 2 areas (Performance limited to 3 hours)	*Art*	ART 101, 103, 105			
			Civilization	HST 201, 202			
			Foreign Language	FRN 101, 102; GRM 101, 102; SPN 101, 102			
			Literature/Film	ENG 105, 106, 122, 215(H), 216(H), 225, 226, 228, 229, 250(H)			
			Music	MSC 101, 131, 133, 135, 137, 231, 232			
			Philosophy/Religion	PHL 101, 102(H), 201, 202(H), 204			
			Theatre	THT 100(H)			
			Performance	ART 115, 123, 141, 143, 150, 160; ENG 104; MSC 144, 145, 146, 152, 241, 251, 259; THT 110, 120			
	Mathematical Sciences	3 hours**	*Mathematical Sciences*	MTH 131, 132, 134(H), 141 **or successful completion of MTH161,168,180 or BUS168*			
	Natural Sciences	7 hours from 2 areas with 1 lab*	*Biological Sciences*	BIO 101(H)*^, 102^, 109, 116^, 120*^, 205*, 206*, 211*^			
			Physical Sciences	CHM 101*^, 102^, 111(H)*; PHY 101*^, 102^, 105*, 106*, 111*, 223*			
	Social and Behavioral Sciences	9 hours from at least 2 areas; including 1 Civics course	*Civics (1 required)*	HST 103(H), 104(H); PSC 102(H)			
			PSC 001 MO Higher Ed Civics Exam must also be completed				
			Communications	COM 130			
			Criminal Justice	CRJ 110			
			Economics	ECO 100, 101, 102			
			Geography	GEO 103			
			History	HST 103(H), 104(H)			
			Political Science	PSC 102(H), 155, 202			
			Psychology	PSY 101(H), 205			
			Sociology/Anthropology	SOC 101(H), 115, 250			
	General Education Option	5 hours	*Student choice from any above general education courses except performance classes*				
		TOTAL A.A. degree GENERAL EDUCATION CORE 42 credit hours at least 42 hours from MOTR aligned courses required with minimum 2.00 Cumulative Grade Point Average					
A.A. DEGREE ELECTIVE OPTIONS AND REQUIREMENTS (20 hours)	**Institutional Requirements**	**Computer Literacy**	*Proficiency met by exam or coursework*	CIS 125; EDU 205 (counts as elective degree requirement)			
		First Year Experience (FYE 1-3 hrs)	Freshman Seminar, Intro to College, or Mastering College Exp.	COL 100, 101, 136; EDU 105 (counts as elective degree requirement)			
	Elective Options	20 hours including Computer Literacy and FYE courses	Courses # >= 100: ART; BIO; BUS101,120,150,168,240,241,245,246,261,265; CHM; CIS125,129,153,155; COL100,101,136; COM; CRJ110,112,114,120,130,135,140,201,220,222,224,230,242; ECE102,103,108,212; ECO; EDU; EGR; ENG; FRN; GEO; GRM; GUD; HPE; HST; HUM; MSA/C; MTH110,128+; PHL; PHY; PSC; PSY; SOC; SPN; SWK; THT Maximum 4 hrs music performance and maximum 4 hrs Physical Education activity courses.				
		TOTAL A.A. degree ELECTIVE credit hours at least 20 hours required with minimum 2.00 Cumulative Grade Point Average					
Institution Student Plans to Transfer to and Major Area of Study:							
Student Signature/Date							
Advisor Signature/Date							

^ Courses with similar content, may not apply both towards graduation. See course descriptions or your advisor for appropriate course selection.

Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.   Revised August 2020

ASSOCIATE OF ARTS TRANSFER DEGREE (62 credit hours) - effective 2020-2021
ONLINE OPTION
Minimum 2.00 Cumulative Grade Point Average for both CORE 42 and Degree. 15 hour residency requirement.

			Course Areas	Course Numbers	Done	Now	Need
A.A. GENERAL EDUCATION CORE 42 ONLINE OPTIONS AND REQUIREMENTS (42 credit hours)	Communications	6 hours	Written Communications	ENG 101			
				ENG 102			
		3 hours	Oral Communications	COM 100			
	Humanities and Fine Arts	9 hours from at least 2 areas	Art	ART 101, 103, 105			
			Civilization	HST 201, 202			
			Literature	ENG 105, 106, 215, 228, 229			
			Music	MSC 101, 131, 133			
			Philosophy/Religion	PHL 101, 102, 201, 204			
			Theatre	THT 100			
	Mathematical Sciences	3 hours	Mathematical Sciences	MTH 131, 134			
	Natural Sciences	7 hours from 2 areas with 1 lab*	Biological Sciences	BIO 102^, 109			
			Physical Sciences	CHM 102; PHY 101*^, 102^, 106*			
	Social and Behavioral Sciences	9 hours from at least 2 areas; including 1 Civics course	Civics (1 required)	HST 103, 104; PSC 102			
			PSC 001 MO Higher Ed Civics Exam must also be completed				
			Criminal Justice	CRJ 110			
			Economics	ECO 100, 101, 102			
			Geography	GEO 103			
			History	HST 103, 104			
			Political Science	PSC 102, 155			
			Psychology	PSY 101, 205			
			Sociology	SOC 101, 250			
	General Education Option	5 hours	Student choice from any above general education courses				
	TOTAL A.A. degree GENERAL EDUCATION CORE 42 credit hours at least 42 hours from MOTR aligned courses required with minimum 2.00 Cumulative Grade Point Average						
A.A. DEGREE ONLINE ELECTIVE OPTIONS AND REQUIREMENTS (20 hours)	Institutional Requirements	**Computer Literacy**	Proficiency met by exam or coursework	CIS 125; EDU 205 (counts as elective degree requirement)			
		First Year Experience (FYE 1-3 hrs)	Freshman Seminar, Intro to College, or Mastering College Exp.	COL 100, 101, 136; EDU 105 (counts as elective degree requirement)			
	Elective Options	20 hours including Computer Literacy and FYE courses	Courses # >= 100: ART101,103,105,107; BIO102,109,116,245; BUS101,120,261; CHM102;CIS125,129,153; COL100,101,136; CRJ110,112,114,120,130,140,222,224; ECE102,103,108,212; ECO100,101,102; EDU105,143,205,210,225,235; ENG104,105,106,215,228,229; GEO103; GUD101; HPE130,140; HST103,104,201,202,203; MSC101,131,133; MTH128,131,134; PHL101,102,201,203,204; PHY101,102,106; PSC100,102,103,155; PSY101,120,201,202,205,215,225; SOC101,125,210,240,250; SWK105; THT100				
	TOTAL A.A. degree ELECTIVE credit hours at least 20 hours required with minimum 2.00 Cumulative Grade Point Average						

Institution Student Plans to Transfer to and Major Area of Study:

Student Signature/Date

Advisor Signature/Date

^ Courses with similar content, may not apply both towards graduation. See course descriptions or your advisor for appropriate course selection.

Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements. Revised August 2020

Associate of Arts in Teaching Degree

The Associate of Arts in Teaching (A.A.T.) is designed as a statewide teacher education specialized transfer degree for entry into a Teacher Education baccalaureate degree program. It is the result of careful planning and agreement between Missouri four-year colleges and universities and Missouri public community colleges. The A.A.T. does not automatically qualify a student for any other transfer programs and students who change degrees may have to take additional general education courses.

Jefferson College's A.A.T. is comprised of 42 credit hours of general education, a 13-credit hour Teacher Education Core, the First Year Experience institutional requirement, a minimum of six additional credit hours in electives, and passing Missouri General Education Assessment (MoGEA) scores with state minimum requirements. Students must earn a cumulative GPA of 2.75 to be eligible to graduate with the A.A.T degree as well as a 2.75 in all education courses, with no grade lower than a "C" in education courses. Four-year transfer institutions may have additional requirements including higher GPA or MoGEA scores, or additional course requirements. Most education majors will transfer with more than the 62 credit hours in order to meet certification requirements.

Students who want to be certified to teach at the early childhood, elementary, middle, or secondary levels or in special education should follow this course of study. Since selection of courses depends on certification area, it is recommended that teacher education majors work with an education advisor/faculty for program planning. It is strongly recommended that honors-qualified students take honors courses. Please contact Dr. Ken Boning, Teacher Education Program Coordinator, at (636)481-3344/797-3000, ext. 3344, or kboning@jeffco.edu, for more information.

Associate of Arts in Teaching Institutional Requirements:

Computer Literacy Proficiency 3 credit hours as part of Teacher Education Core course

Computer literacy proficiency skills are demonstrated through examination or course completion with a grade of "C" or better. The following course applies as part of the required Teacher Education core courses:
>   EDU205 Educational Technology

First Year Experience 1-3 credit hours (apply as elective credit hours) One of the following required:

>   COL100 Freshman Seminar
>   COL101 Introduction to College: Strategies for Success
>   COL136 Mastering the College Experience
>   EDU105 Exploring the Field of Education

Associate of Arts in Teaching Core Course Requirements:

Required Teacher Education Core Courses 13 credit hours

All education courses must be completed with a grade of "C" or better with 2.75 overall G.P.A. and 2.75 G.P.A. in all education courses.
>   EDU105 Exploring the Field of Education
>   EDU205 Educational Technology
>   EDU210 Foundations of Education in a Diverse Society
>   EDU225 Educational Psychology
>   EDU230 Teaching Profession with Field Experience

Associate of Arts in Teaching Elective Requirements:

Elective Courses 7 credit hours

Electives should be carefully chosen based on area of certification. See your education advisor/faculty for recommended courses.
EDU235, Education of Exceptional Learners, is recommended for Early Childhood and Elementary Education Majors

Associate of Arts in Teaching General Education Program Requirements:

The Associate of Arts in Teaching (A.A.T.) transfer degree requires completion of a degree specific General Education program curriculum distributed among the Knowledge Areas as listed below. See pages 59-65 for a list of courses within each of these knowledge area as well as the notes below regarding specific courses recommended/required for the A.A.T. degree. General education credits should be carefully selected with the help of an education advisor/faculty to meet degree requirements and prerequisites.

Students pursuing an A.A.T. degree may complete all or just a portion of the CORE 42 as part of their specific degree requirements. Students who change degrees will be required to meet the general education requirements of the new degree. *Students who do not complete either the Associate of Arts in Teaching or the CORE 42 shall receive credit at a receiving Missouri public institution for each MOTR course completed at a sending institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. After receiving credit for MOTR courses, the student shall complete the general education program for Teacher Education degree or CORE 42 at the receiving institution.*

Social & Behavioral Sciences	Written Communications	Oral Communications	Natural Sciences	Mathematical Sciences	Humanities & Fine Arts
9 credit hours minimum from at least 2 disciplines, including at least one Civics course A.A.T. requires: Courses with MOTR equivalence One Civics course **Consult your advisor for assistance in selecting course for your specific degree, major, and transfer institution requirements.** **AND** PSY101(H) **AND** PSY205	6 credit hours minimum A.A.T. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum A.A.T. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting course for your specific degree, major, and transfer institution requirements.**	7 credit hours minimum from at least 2 disciplines (Biological <u>and</u> Physical), including one course with a lab component A.A.T. requires: Courses with MOTR equivalence A.A.T. may require second lab depending on area of certification and/or four-year program. **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum** A.A.T. requires: Courses with MOTR equivalence (MTH134 required for UMSL Elementary education) or ** successful completion of MTH161, 168, 180 or BUS168. <u>With exception of MTH130</u> Structure of the Real Number System for Elementary Education or Early Childhood Education only **Consult your advisor for assistance in selecting the Mathematical Sciences course for your specific degree, major, and transfer institution requirements.**	9 credit hours minimum, three courses from at least 2 disciplines with a limit of 3 hours of performance classes applied to Humanities and Fine Arts A.A.T. requires: Courses with MOTR equivalence With exception of: • EDU240 • EDU245 for Elementary Education or Early Childhood Education only **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**

CORE 42 MOTRANSFER GUARANTEED

General Education Option

5 credit hours from any general education course with MOTR equivalence except performance classes. See education advisor/faculty for assistance in selecting courses based on area of certification and/or four-year program.

Last Name _____ First _____

ASSOCIATE OF ARTS IN TEACHING TRANSFER DEGREE (62 credit hours) - effective 2020-2021
Minimum 2.75 Cumulative Grade Point Average for both EDU courses and A.A.T. Degree. 15 hour residency requirement.

			Course Areas/Titles	Course Numbers	Done	Now	Need
A.A.T. GENERAL EDUCATION OPTIONS AND REQUIREMENTS (42 credit hours) *A.A.T. GENERAL EDUCATION credit hours may or may not be from MOTR aligned courses. MOTR CORE 42 completion not required for A.A.T. degree.*	**Communications**	6 hours	*Written Communications*	ENG 101(H)			
				ENG 102(H)			
		3 hours	*Oral Communications*	COM 100(H), 110			
	Humanities and Fine Arts	9 hours from at least 2 areas (Performance limited to 3 hours)	*Art*	ART 101, 103, 105			
			Civilization	HST 201, 202			
			Culture	EDU 240 (NOT a MOTR course)			
			Foreign Language	FRN 101, 102; GRM 101, 102; SPN 101, 102			
			Literature/Film	EDU 245 (for Elem/Early Child only, NOT a MOTR course) ENG 105, 106, 122, 215(H), 216(H), 225, 226, 228, 229, 250(H)			
			Music	MSC 101, 131, 133, 135, 137, 231, 232			
			Philosophy/Religion	PHL 101, 102(H), 201, 202(H), 204			
			Theatre	THT 100(H)			
			Performance	ART 115, 123, 141, 143, 150, 160; ENG 104; MSC 144, 145, 146, 152, 241, 251, 259; THT 110, 120			
	Mathematical Sciences	3 hours**	*College Mathematics*	MTH 130 (for Elem/Early Child only, NOT a MOTR course) MTH 131, 132, 134(H), 141 based on area of certification/4-year program ***or successful completion of MTH161,168,180 or BUS168*			
	Natural Sciences	7 hours from 2 areas with 1-2 labs*	**Consult 4-year program requirements regarding # of required labs.*				
			Biological Sciences	BIO 101(H)*^, 102^, 109, 116, 120*^, 205*, 206*, 211*^			
			Physical Sciences	CHM 101*^, 102^, 111(H)*; PHY 101*^, 102^, 105*, 106*, 111*, 223*			
	Social and Behavioral Sciences	9 hours; including Civics course	*Civics (1 required)*	HST 103(H), 104(H); PSC 102(H)			
			PSC 001 MO Higher Ed Civics Exam must also be completed				
			Psychology	PSY 101(H)			
				PSY 205			
	General Education Option	5 hours	*Student choice from any above general education courses (except performance classes) or choose from* COM 130, CRJ 110, ECO 100, 101, 102; GEO 103; PSC 155, 202; SOC 101(H), 115, 250) (Consult 4-year program requirements.)				
A.A.T. DEGREE ELECTIVE OPTIONS AND REQUIREMENTS (20 hours)	**Institutional Requirements**		**Computer Literacy Proficiency met with required Teacher Education course EDU 205**		**Required EDU course listed below**		
			First Year Experience Proficiency met with required Teacher Education course EDU 105		**Required EDU course listed below**		
	REQUIRED EDUCATION COURSES	13 hours (All courses must be completed with a grade of "C" or better.)	Exploring the Field of Ed.	EDU 105			
			Educational Technology	EDU 205			
			Foundations of Education in a Diverse Society	EDU 210			
			Educational Psychology	EDU 225			
			Teaching Profession with Field Experience	EDU 230			
	Elective Options	7 hours	Course #s >= 100; See education faculty advisor for appropriate selection. Recommended: EDU 235 Education of Exceptional Learners Maximum 4 hours music performance and maximum 4 hours Physical Education activity courses				
			TOTAL A.A.T. degree credit hours (at least 62 hours required)				

Institution Student Plans to Transfer to and Major Area of Study:

Student Signature/Date

Advisor Signature/Date

^ Courses with similar content, may not apply both towards graduation. See course descriptions or education faculty advisor for appropriate course selection.

Consult your Education advisor and 4-year transfer institution for assistance in selecting courses for your specific degree, major, certification, and transfer institution requirements.

Revised August 2020

Associate of Fine Arts – Art Degree

The Associate of Fine Arts-Art (A.F.A.) is designed as a specialized transfer degree for entry into a Fine Arts baccalaureate degree program. This degree involves changes in the traditional general education requirements resulting in differences across the traditional disciplines of the arts and sciences from the minimum 42 credit hours in General Education for the A.A. transferable degree with CORE 42 completion. Students pursuing an A.F.A. degree complete just a portion of the CORE 42 as part of their specific degree requirements. The A.F.A. does not automatically qualify a student for any other transfer programs and students who change degrees may have to take additional general education courses.

Associate of Fine Arts-Art Institutional Requirements

Computer Literacy Proficiency 3 credit hours as part of Fine Art Major courses

Computer literacy proficiency skills are demonstrated through examination or course completion with a grade of "C" or better. The following courses combined apply as part of the required Fine Arts major courses:
ART150 Digital Photography I ART152 Digital Art Studio

First Year Experience (FYE) 1-3 credit hours (apply as elective credit hours)

One of the following required:
COL100 Freshman Seminar
COL101 Introduction to College: Strategies for Success COL136 Mastering the College Experience

Associate of Fine Arts-Art Major Course Requirements

Required Fine Arts Major Courses 18 credit hours

ART146 Drawing II
ART120 Design I
ART121 Design II
ART150 Digital Photography I
ART152 Digital Art Studio
ART290 Studio Practices

Associate of Fine Arts-Art Elective Requirements

Fine Arts Elective Courses 22 credit hours (including 1 credit hour FYE course)

ART107 Modern Art
ART117 Watercolor I
ART123 Ceramics Pottery I
ART127 Digital Short Film
ART141 Painting I
ART142 Painting II
ART143 Landscape Painting
ART151 Printmaking I
ART160 Graphic Design I
ART170 Graphic Design II
ART180 History of Photography
ART217 Watercolor II

ART223 Drawing III
ART225 Watercolor III
ART243 Painting III
ART250 Digital Photography II
ART252 Printmaking II
ART260 Graphic Design III
ART262 Ceramics Pottery II
ART263 Ceramics Pottery III
ART265 Digital Photography III
ART270 Graphic Design IV
ART281 Studio Art

Associate of Fine Arts-Art General Education Program Requirements:

The Associate of Fine Arts (A.F.A.) transfer degree requires completion of a degree specific General Education program curriculum distributed among the Knowledge Areas as listed below. See pages 59-65 for a list of courses within each of these knowledge areas as well as the notes below regarding specific courses recommended/required for the A.F.A. degree. General education credits should be carefully selected with the help of an advisor/faculty to meet degree requirements and prerequisites.

Students pursuing an A.F.A. degree complete just a portion of the CORE 42 as part of their specific degree requirements. Students who change degrees will be required to meet the general education requirements of the new degree. Students who do not complete either the Associate of Fine Arts or the CORE 42 shall receive credit at a receiving Missouri public institution for each MOTR course completed at a sending public institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. After receiving credit for MOTR courses, the student shall complete the general education program for Fine Arts degree or CORE 42 at the receiving institution.

Social & Behavioral Sciences	Communications	Natural Sciences	Mathematical Sciences	Humanities & Fine Arts
6 credit hours minimum, including at least one Civics course ———————— A.F.A. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum written communications and 3 credit hours minimum either written or oral communications ———————— A.F.A. requires: Courses with MOTR equivalence ENG101, 101H English Composition I **AND** ENG102(H) English Composition II **OR** COM100(H) Fundamentals of Communication **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum ———————— A.F.A. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting course for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum** ———————— A.F.A. requires: Courses with MOTR equivalence or ** successful completion of MTH161, 168, 180 or BUS168. **Consult your advisor for assistance in selecting the Mathematical Sciences course for your specific degree, major, and transfer institution requirements.**	9 credit hours minimum ———————— A.F.A. requires: Courses with MOTR equivalence ART103 Survey of Art I **AND** ART105 Survey of Art II **AND** ART115 Drawing I

Last Name _____   First _____

ASSOCIATE OF FINE ARTS TRANSFER DEGREE (67 credit hours) - effective 2020-2021
Minimum 2.00 Cumulative Grade Point Average for Degree. 15 hour residency requirement.

			Course Areas/Titles	Course Numbers	Done	Now	Need
A.F.A. GENERAL EDUCATION OPTIONS AND REQUIREMENTS (27 credit hours) A.F.A. GENERAL EDUCATION credit hours may be from MOTR aligned courses. MOTR CORE 42 completion not required for A.F.A. degree.	Communications	3 hours	English Comp. I	ENG 101(H)			
		3 hours	English Comp. II **or** Fundamentals of Communication	ENG102(H) or COM100(H)			
	Humanities and Fine Arts	9 hours (Performance limited to 3 hours)	Art	ART 103			
				ART 105			
			Performance	ART 115			
	Mathematical Sciences	3 hours**	Mathematical Sciences	MTH 131, 132, 134(H), 141 **or successful completion of MTH161,168,180 or BUS168*			
	Natural Sciences	3 hours	Biological Sciences	BIO 101(H)*^, 102^, 109, 116, 120*, 205*, 206*, 211*			
			Physical Sciences	CHM 101*^, 102^, 111(H)*; PHY101*^,102^, 105*, 106*, 111*, 223*			
	Social and Behavioral Sciences	6 hours; including Civics course	Civics (1 required)	HST 103(H), 104(H); PSC 102(H)			
			PSC 001 MO Higher Ed Civics Exam must also be completed				
			Communications	COM 130			
			Economics	ECO 100, 101, 102			
			Geography	GEO 103			
			History	HST 103(H), 104(H			
			Political Science	PSC 102(H), 155, 202			
			Psychology	PSY 101(H), 205			
			Sociology/Anthropology	SOC 101(H), 115, 250			
A.F.A. DEGREE ELECTIVE OPTIONS AND REQUIREMENTS (40 hours)	Institutional Requirements		**Computer Literacy met with required Art courses ART150 and ART152**		**Required Art courses noted below**		
		First Year Experience (FYE 1-3 hours)	Freshman Seminar, Intro to College, or Mastering College Exp.	COL 100, 101, 136; EDU105 (counts as elective degree requirements)			
	REQUIRED ART MAJOR COURSES	18 hours	Drawing II (3)	ART146			
			Design I (3)	ART120			
			Design II (3)	ART121			
			Digital Photography I (3)	ART150			
			Digital Art Studio (3)	ART152			
			Studio Practices (3)	ART290			
	ART ELECTIVE OPTIONS	22 hours (including FYE course)	ART107, ART117, ART123, ART 127, ART141, ART142, ART143, ART151, ART160, ART170, ART180, ART217, ART223, ART225, ART243, ART 250, ART 252, ART260, ART262, ART263, ART265, ART270, ART281				
			TOTAL A.F.A. degree credit hours (at least 67 hours required)				

Institution Student Plans to Transfer to and Major Area of Study:	
Student Signature/Date	
Advisor Signature/Date	

^ Courses with similar content, may not apply both towards graduation. See course descriptions or your advisor for appropriate course selection.

Revised August 2020

Associate of Fine Arts – Music Degree

The Associate of Fine Arts in Music (A.F.A.) is designed as a specialized transfer degree for entry into a Fine Arts baccalaureate degree program. This degree involves changes in the traditional general education requirements resulting in differences across the traditional disciplines of the arts and sciences from the minimum 42 credit hours in General Education for the A.A. transferable degree with CORE 42 completion. Students pursuing an A.F.A. degree complete just a portion of the CORE 42 as part of their specific degree requirements. The A.F.A. does not automatically qualify a student for any other transfer programs and students who change degrees may have to take additional general education courses.

Associate of Fine Arts - Music Institutional Requirements

Computer Literacy Proficiency 3 credit hours as part of Fine Art Music Major courses

Computer literacy proficiency skills are demonstrated through examination or course completion with a grade of "C" or better. The following courses combined apply as part of the required Fine Arts major courses:

MSC104 Music Theory II
MSC204 Music Theory III

First Year Experience (FYE) 1-3 credit hours (apply as elective credit hours)

One of the following required:
COL100 Freshman Seminar
COL101 Introduction to College: Strategies for Success
COL136 Mastering the College Experience
EDU105 Exploring the Field of Education

Associate of Fine Arts Music Major Course Requirements

Required Fine Arts Major Courses 32 credit hours

Music Theory – 16 credit hours
MSC103 Music Theory I
MSC104 Music Theory II
MSC203 Music Theory III
MSC204 Music Theory IV

Applied Lessons – 8 credit hours
(course number depends on type of lesson)
MSA17x
MSA18x
MSA27x
MSA28x

Large Ensemble – 4 credit hours
MSC152
MSC259

Class Piano – 4 credit hours
MSC161
MSC162

Associate of Fine Arts – Music Elective Requirements

Music Elective Courses 6 credit hours (FYE course also counts towards elective courses)

MSC126
MSC133
MSC135
MSC137
MSC144
MSC145
MSC146

MSC152
MSC168
MSC169
MSC235
MSC241
MSC248
MSC251

MSC259
MSA17x
MSA18x
MSA27x
MSA28x

Associate of Fine Arts-Music General Education Program Requirements:

The Associate of Fine Arts-Music (A.F.A.) transfer degree requires completion of a degree specific General Education program curriculum distributed among the Knowledge Areas as listed below. See pages for a list of courses within each of these knowledge areas as well as the notes below regarding specific courses recommended/required for the A.F.A. degree. General education credits should be carefully selected with the help of an advisor/faculty to meet degree requirements and prerequisites.

Students pursuing an A.F.A. degree complete just a portion of the CORE 42 as part of their specific degree requirements. Students who change degrees will be required to meet the general education requirements of the new degree. Students who do not complete either the Associate of Fine Arts or the CORE 42 shall receive credit at a receiving Missouri public institution for each MOTR course completed at a sending public institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. After receiving credit for MOTR courses, the student shall complete the general education program for Fine Arts degree or CORE 42 at the receiving institution.

Social & Behavioral Sciences	Communications	Natural Sciences	Mathematical Sciences	Humanities & Fine Arts
6 credit hours minimum, including at least one Civics course A.F.A. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum written communications **AND** 3 credit hours minimum either written or oral communications A.F.A. requires: Courses with MOTR equivalence ENG101, 101H English Composition I **AND** ENG102(H) English Composition II **OR** COM100(H) Fundamentals of Communication **Consult your advisor for assistance in selecting courses for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum A.F.A. requires: Courses with MOTR equivalence **Consult your advisor for assistance in selecting course for your specific degree, major, and transfer institution requirements.**	3 credit hours minimum** A.F.A. requires: Courses with MOTR equivalence or ** successful completion of MTH161, 168, 180 or BUS168. **Consult your advisor for assistance in selecting the Mathematical Sciences course for your specific degree, major, and transfer institution requirements.**	9 credit hours minimum A.F.A. requires: Courses with MOTR equivalence MSC131 Music Appreciation **AND** MSC231 Music Literature Before 1750 **AND** MSC232 Music Literature After 1750

Last Name _____ First _____

ASSOCIATE OF FINE ARTS TRANSFER DEGREE (66 credit hours)
Minimum 2.00 Cumulative Grade Point Average for Degree. 15 hour residency requirement.

2020-2021

			Course Areas/Titles	Course Numbers	Done	Now	Need
A.F.A. GENERAL EDUCATION OPTIONS AND REQUIREMENTS (27 credit hours) *A.F.A. GENERAL EDUCATION credit hours may be from MOTR aligned courses. MOTR CORE 42 completion not required for A.F.A. degree.*	Communications	3 hours	English Comp. I	ENG101(H)			
		3 hours	English Comp. II **or** Fundamentals of Communication	ENG102(H) or COM100(H)			
	Humanities and Fine Arts	9 hours	Music Appreciation	MSC131			
			Music Lit before 1750	MSC231			
			Music Lit after 1750	MSC232			
	Mathematical Sciences	3 hours**	*Mathematical Sciences*	MTH 131, 132, 134(H), 141 ***or successful completion of MTH161,168,180 or BUS168*			
	Natural Sciences	3 hours	*Biological Sciences*	BIO 101(H)*^, 102^, 109, 116, 120*, 205*, 206*, 211*			
			Physical Sciences	CHM 101*^, 102^, 111(H)*; PHY101*^,102^, 105*, 106*, 111*, 223*			
	Social and Behavioral Sciences	6 hours; including Civics course	*Civics (1 required)*	HST 103(H), 104(H); PSC 102(H)			
			PSC001 MO Higher Ed Civics Exam must also be completed				
			Communications	COM 130			
			Criminal Justice	CRJ 110			
			Economics	ECO 100, 101, 102			
			Geography	GEO 103			
			History	HST 103(H), 104(H			
			Political Science	PSC 102(H), 155, 202			
			Psychology	PSY 101(H), 205			
			Sociology/Anthropology	SOC 101(H), 115, 250			
A.F.A. DEGREE ELECTIVE OPTIONS AND REQUIREMENTS (39 hours)	Institutional Requirements	**Computer Literacy met with required Music courses MSC 104 and 204**					
		First Year Experience (FYE 1-3 hours)	Freshman Seminar, Intro to College, or Mastering College Exp.	COL 100, 101, 136; EDU 105 (counts as elective degree requirements)			
	REQUIRED MUSIC MAJOR COURSES	32 hours	Music Theory I - IV (16)	MSC 103, 104, 203, 204			
			Applied Lessons I - IV (8)	MSA 17x, 18x, 27x, 28x			
			Recital and Concert Attendance (0)	MSA 001 (four semesters required)			
			Large Ensemble (4)	MSC 152 or 259			
			Class Piano I and II (4)***	MSC 161, 162			
	MUSIC ELECTIVE OPTIONS	6 hours	MSC 126, 133, 135, 137, 144, 145, 146, 152, 168, 169, 235, 241, 248, 251, 259; MSA 17X, 18X, 27X, 28X				
		TOTAL A.F.A. degree credit hours (at least 66 hours required)					

Institution Student Plans to Transfer to and Major Area of Study:			
Student Signature/Date			
Advisor Signature/Date			

^ Courses with similar content, may not apply both towards graduation. See course descriptions or your advisor for appropriate course selection.

***requirement may also be met through sucessful completion of a proficiency exam.

Revised August 2020

Associate of Science Degree

The Associate of Science (A.S.) degree is designed as a specialized transfer degree for entry into an engineering baccalaureate degree program. Jefferson College offers two Associate of Science degree options:

- **Associate of Science with Engineering Emphasis**
- **Associate of Science with Engineering Technology Emphasis**

Associate of Science with Engineering Emphasis

This Associate of Science (A.S.) with engineering emphasis degree is a specialized transfer degree designed for entry into an engineering baccalaureate degree. The courses have been carefully planned and are the result of an agreement between Jefferson College and Missouri University of Science and Technology (Missouri S&T) to ensure these classes will transfer to Missouri University of Science and Technology (Missouri S&T). Each Missouri S&T engineering department and the engineering departments at other institutions may have differences in the recommended minimum 64 credit hours transferred from Jefferson College. Courses should be carefully selected with the help of an engineering advisor/faculty to meet degree requirements and prerequisites.

This A.S. with engineering emphasis degree is comprised of 27 credit hours of general education, 27 hours of required engineering courses, 9+ hours of engineering technical electives, and the First Year Experience and Computer Literacy Proficiency Institutional Requirements. This degree involves changes in the traditional general education requirements resulting in differences across the traditional disciplines of the arts and sciences from the minimum 42 credit hours in General Education for the Associate of Arts (A.A.) transferable degree with CORE 42 completion. Students pursuing an A.S. with engineering emphasis degree complete just a portion of the CORE 42 as part of their specific degree requirements. The A.S. does not automatically qualify a student for any other transfer programs and students who change degrees may have to take additional general education courses.

Associate of Science Engineering Emphasis
General Education Program Requirements:

The Associate of Science (A.S.) Engineering Emphasis transfer degree requires completion of a degree specific General Education program curriculum distributed among the Knowledge Areas as listed below. See pages 59-65 for a list of courses within each of these knowledge area as well as the notes below regarding specific courses recommended/required for this A.S. with engineering emphasis degree. General education credits should be carefully selected with the help of an engineering advisor/faculty to meet degree requirements and prerequisites.

Students pursuing an A.S. with engineering emphasis degree complete just a portion of the CORE 42 as part of their specific degree requirements. Students who change degrees will be required to meet the general education requirements of the new degree. Students who do not complete either the Associate of Science with engineering emphasis degree or the CORE 42 shall receive credit at a receiving Missouri public institution for each MOTR course completed at a sending institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. After receiving credit for MOTR courses, the student shall complete the general education program or CORE 42 at the receiving institution.

Social & Behavioral Sciences and Humanities & Fine Arts	Written Communications	Natural Sciences	Mathematical Sciences
9 credit hours minimum from at least 2 disciplines, including at least one Civics course _____ A.S. Engineering Emphasis requires: Courses with MOTR equivalence ***Civics (select one): 3*** HST103(H) U.S. History I HST104(H) U.S. History II PSC102(H) U.S. and Missouri Governments and Constitutions **AND** ***Economics (select one): 3*** ECO101 Macroeconomics ECO102 Microeconomics **AND** ***Humanities & Fine Arts and/or Social & Behavioral Sciences (select one): 3*** Art: ART101, 103, 105 Civilization: HST201, 202 French: FRN101, 102 Spanish: SPN101,102 Literature: ENG105, 106, 215(H), 216(H), 225, 226, 228, 229 Geography: GEO103 Music: MSC101, 131, 133, 231, 232 Philosophy: PHL101, 102, 201, 202(H) Political Science: PSC155 Psychology: PSY101(H) Sociology: SOC101(H) Theatre: THT100(H)	3 credit hours minimum _____ A.S. Engineering Emphasis requires: Courses with MOTR equivalence ENG101(H) English Composition I	10 credit hours minimum from Physical Sciences, including two courses with a lab component* _____ A.S. Engineering Emphasis requires: Courses with MOTR equivalence CHM111(H)* General Chemistry I **AND** PHY223* General Physics I (NOTE: PHY223 also meets Computer Literacy Proficiency Requirement)	5 credit hours minimum _____ A.S. Engineering Emphasis requires: MTH180 Calculus I (not a MOTR course but meets general education requirement for mathematical sciences).

Associate of Science Institutional Requirements:

Computer Literacy Proficiency 5 credit hours as part of required Engineering general education courses

(5 hours completed as part of Mathematical Sciences requirements fulfills this requirement)
Computer literacy proficiency skills are demonstrated through examination or course completion with a grade of "C" or better. The following course applies as part of the required Engineering general education courses:
PHY223* General Physics I

First Year Experience 1-3 credit hours (apply as elective credit hours)

One of the following required:
COL100 Freshman Seminar
COL101 Introduction to College: Strategies for Success
COL136 Mastering the College Experience

Associate of Science Engineering Emphasis Engineering Course Requirements

Required Engineering Courses 27 credit hours

MTH185 Calculus II
MTH201 Calculus III
MTH205 Differential Equations
PHY224* General Physics II
CIS155 Introduction to Computer Programming
EGR101 Computer Aided Engineering Design
EGR228 Engineering Mechanics-Statics

Associate of Science Engineering Emphasis Technical Elective Requirements

Associate of Science Technical Electives 9 credit hours

Electives should be carefully chosen to ensure applicability to the specific engineering department graduation requirements which the student intends to pursue at Missouri S&T. See your physics department advisor for recommended courses. The Associate of Science (A.S.) with engineering emphasis degree requires nine credit hours from the following Technical Elective options:
CHM112 General Chemistry II
CHM200 Organic Chemistry I
EGR250 Engineering Mechanics-Dynamics
EGR261 Circuit Analysis I
MTH172 Linear Algebra
MTT148 Introduction to Metallurgy
PHY105 Physical Geoplogy
Advanced Communications (3 credit hours)
COM110 Public Speaking (MOTR COMM110 Fundamentals of Public Speaking) or
ENG102(H) English Composition II (MOTR ENGL 200 Composition II)

JEFFERSON COLLEGE
ASSOCIATE OF SCIENCE TRANSFER DEGREE - effective 2020-2021
Engineering emphasis (64 credit hours)
Minimum 2.00 Cumulative Grade Point Average for A.S. Degree. 15 hour residency requirement.

			Course Areas/Titles	Course Numbers	Done	Now	Need
A.S. Engineering emphasis GENERAL EDUCATION OPTIONS AND REQUIREMENTS (27 credit hours)	MOTR CORE 42 completion not required for A.S. degree	**Commun-ications** / 3 hours	*Written Communications*	ENG 101(H)			
		Humanities and Fine Arts AND/OR Social and Behavioral Sciences / 3 hours	*Civics*	HST 103(H), 104(H); PSC 102(H)			
			PSC001 MO Higher Ed Civics Exam must also be completed				
		3 hours	*Economics*	ECO 101, 102			
		3 hours	*Art*	ART 101, 103, 105			
			Civilization	HST 201, 202			
			Foreign Language	FRN 101, 102; GRM 101, 102; SPN 101, 102			
			Literature	ENG 105, 106, 215(H), 216(H), 225, 226, 228, 229			
			Geography	GEO 103			
			Music	MSC 101, 131, 133, 231, 232			
			Philosophy/Religion	PHL 101, 102(H), 201, 202(H)			
			Political Science	PSC 155			
			Psychology	PSY 101(H)			
			Sociology	SOC 101(H)			
			Theatre	THT 100(H)			
		Mathematical Sciences / 5 hours	*Mathematical Sciences*	MTH 180 (not a MOTR course but meets general education requirement for math)			
		Natural Sciences / 10 hours with 2 labs*	*Physical Sciences*	CHM 111(H)*			
				PHY 223*			

			Computer Literacy met with required Engineering emphasis General Education course PHY223		Required course listed above		
A.S. Engineering emphasis DEGREE ELECTIVE OPTIONS AND REQUIREMENTS (37 hours)		**Institutional Requirements** / **First Year Experience (FYE 1-3 hrs)**	Freshman Seminar; Intro. to College; Mastering College Exp.	COL100, 101, 136 (counts as elective degree requirement)			
		REQUIRED ENGINEERING COURSES / 27 hours	Calculus II (5)	MTH 185			
			Calculus III (5)	MTH 201			
			Differential Equations (3)	MTH 205			
			General Physics II (5)	PHY 224*			
			Introduction to Computer Programming (3)	CIS 155			
			Computer Aided Engineering Design (3)	EGR 101			
			Engineering Mechanics-Statics (3)	EGR 228			
		Associate of Science Technical Elective Options / 9** hours	General Chemistry II (5)	CHM 112			
			Organic Chemistry I (5)	CHM 200			
			Engineering Mechanics-Dynamics (3)	EGR 250			
			Circuit Analysis I (3)	EGR 261			
			Linear Algebra (3)	MTH 172			
			Introduction to Metallurgy (3)	MTT 148			
			Physical Geology (4)	PHY 105			
			Advanced Communications (3)	COM 110 **or** ENG 102(H)			
			TOTAL A.S. Engineering emphasis degree credit hours (at least 64 hours required)				

Institution Student Plans to Transfer to and Major Area of Study:
Student Signature/Date:
Advisor Signature/Date:

Total may vary depending on major areas of study requirements related to specific Engineering discipline: Aerospace, Agricultural, Ceramic, Chemical, Civil, Electrical, Engineering Management, Food Biochemical and Environmental, Geological, Geology and Geophysics, Industrial, Mechanical, Metallurgical, Mining, Nuclear, and Petroleum Engineering. **Consult your Engineering Advisor and 4-year transfer institution for assistance in selecting courses for your specific degree, major, and transfer institution requirements.

Revised August 2020

Associate of Science with Engineering Technology Emphasis

This Associate of Science (A.S.) with engineering technology emphasis degree is a specialized transfer degree designed for entry into an engineering baccalaureate degree. The courses have been carefully planned and are the result of an agreement between Jefferson College and the Missouri State University (MSU) Mechanical Engineering Technology Program to ensure these classes will transfer to Missouri State University (MSU). Each MSU engineering department and the engineering departments at other institutions may have differences in the recommended minimum 65 credit hours transferred from Jefferson College. Courses should be carefully selected with the help of an engineering advisor/faculty to meet degree requirements and prerequisites.

This A.S. with engineering technology emphasis degree is comprised of 42 credit hours of general education, 22 hours of required engineering technology courses, and the First Year Experience and Computer Literacy Proficiency Institutional Requirements. This degree involves changes in the traditional general education requirements resulting in differences across the traditional disciplines of the arts and sciences from the minimum 42 credit hours in General Education for the Associate of Arts (A.A.) transferable degree with CORE 42 completion. Students pursuing an A.S. with engineering technology emphasis degree complete just a portion of the CORE 42 as part of their specific degree requirements. The A.S. does not automatically qualify a student for any other transfer programs and students who change degrees may have to take additional general education courses.

Associate of Science Institutional Requirements

Computer Literacy Proficiency 5 credit hours as part of required Engineering general education courses

(5 hours completed as part of Mathematical Sciences requirements fulfills this requirement)
Computer literacy proficiency skills are demonstrated through examination or course completion with a grade of "C" or better.
The following course applies as part of the required Engineering general education courses:
PHY223* General Physics I

First Year Experience 1-3 credit hours (apply as elective credit hours)

One of the following required:
COL100 Freshman Seminar
COL101 Introduction to College: Strategies for Success
COL136 Mastering the College Experience

Associate of Science Engineering Technology Emphasis Engineering Technology Course Requirements

Required Engineering Technology Courses 22 credit hours

MTH185 Calculus II
PHY224* General Physics II
CIS155 Introduction to Computer Programming
EGR101 Computer Aided Engineering Design
EGR228 Engineering Mechanics-Statics
EGR250 Engineering Mechanics-Dynamics

Associate of Science Engineering Technology Emphasis General Education Program Requirements:

The Associate of Science (A.S.) Engineering Technology Emphasis transfer degree requires completion of a degree specific General Education program curriculum distributed among the Knowledge Areas as listed below. See pages 59-65 for a list of courses within each of these knowledge area as well as the notes below regarding specific courses recommended/required for this A.S. with engineering technology emphasis degree. General education credits should be carefully selected with the help of an engineering advisor/faculty to meet degree requirements and prerequisites.

Students pursuing an A.S. with engineering technology emphasis degree complete just a portion of the CORE 42 as part of their specific degree requirements. Students who change degrees will be required to meet the general education requirements of the new degree. Students who do not complete either the Associate of Science with engineering technology emphasis degree or the CORE 42 shall receive credit at a receiving Missouri public institution for each MOTR course completed at a sending institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. After receiving credit for MOTR courses, the student shall complete the general education program or CORE 42 at the receiving institution.

Social & Behavioral Sciences and Humanities & Fine Arts	Written Communications	Oral Communications	Natural Sciences	Mathematical Sciences
15 credit hours minimum, including at least one Civics course _____ A.S. Engineering Technology Emphasis requires: Courses with MOTR equivalence *Civics: 6* HST103(H) U.S. History I **AND** PSC102(H) U.S. and Missouri Governments and Constitutions **AND** *Economics (select one): 3* ECO101 Macroeconomics ECO102 Microeconomics **AND** *Philosophy (Logic): 3* PHL101 Logic **AND** *Humanities & Fine Arts and/or Social & Behavioral Sciences (select one): 3* Art: ART101, 103, 105 Civilization: HST201, 202 French: FRN101, 102 Spanish: SPN101,102 Literature: ENG105, 106, 215(H), 216(H), 225, 226, 228, 229 Geography: GEO103 Music: MSC101, 131, 133, 231, 232 Philosophy: PHL102, 201, 202(H) Political Science: PSC155 Sociology: SOC101(H) Theatre: THT100(H)	6 credit hours minimum _____ A.S. Engineering Technology Emphasis requires: Courses with MOTR equivalence ENG101(H) English Composition I **AND** ENG102(H) English Composition II	3 credit hours minimum _____ A.S. Engineering Technology Emphasis requires: Courses with MOTR equivalence COM110 Public Speaking	10 credit hours minimum from Physical Sciences, including two courses with a lab component* _____ A.S. Engineering Technology Emphasis requires: Courses with MOTR equivalence CHM111(H)* General Chemistry I **AND** PHY223* General Physics I (NOTE: PHY223 also meets Computer Literacy Proficiency Requirement)	5 credit hours minimum _____ A.S. Engineering Technology Emphasis requires: MTH180 Calculus I (not a MOTR course but meets general education requirement for mathematical sciences).

CORE 42 MOTRANSFER GUARANTEED

General Education Option
3 credit hours from either BIO102 Concepts of Biology or BIO109 Ecology and Environmental Conservation or PSY101(H) General Psychology. See engineering advisor/faculty for assistance in selecting courses.

Last Name _____   First _____

JEFFERSON COLLEGE
ASSOCIATE OF SCIENCE TRANSFER DEGREE - effective 2020-2021
Engineering Technology emphasis (65 credit hours)
Minimum 2.00 Cumulative Grade Point Average for A.S. Degree. 15 hour residency requirement.

			Course Areas/Titles	Course Numbers	Done	Now	Need
A.S. Engineering Technology GENERAL EDUCATION OPTIONS AND REQUIREMENTS (42 credit hours) — MOTR CORE 42 completion not required for A.S. degree	Commun-ications	6 hours	Written Communications	ENG 101(H)			
				ENG 102(H)			
		3 hours	Oral Communications (Public Speaking)	COM 110			
	Humanities and Fine Arts AND/OR Social and Behavioral Sciences	3 hours	Philosophy (Logic)	PHL 101			
		6 hours	Civics	HST 103(H)			
				PSC 102(H)			
			PSC001 MO Higher Ed Civics Exam must also be completed				
		3 hours	Economics	ECO 101, 102			
		3 hours	Art	ART 101, 103, 105			
			Civilization	HST 201, 202			
			Foreign Language	FRN 101, 102; GRM 101, 102; SPN 101, 102			
			Literature	ENG 105, 106, 215(H), 216(H), 225, 226, 228, 229			
			Geography	GEO 103			
			Music	MSC 101, 131, 133, 231, 232			
			Philosophy/Religion	PHL 102(H), 201, 202(H)			
			Political Science	PSC 155			
			Sociology	SOC 101(H)			
			Theatre	THT 100(H)			
	Mathematical Sciences	5 hours	Mathematical Sciences	MTH 180 (not a MOTR course but meets general education requirement for math)			
	Natural Sciences	10 hours with 2 labs*	Physical Sciences	CHM 111(H)*			
				PHY 223*			
	General Education Option	3 hours	Biological/Life Sciences	BIO102			
				BIO109			
			Social and Behavioral Sciences (General Psychology)	PSY101(H)			
A.S. Engineering Technology DEGREE ELECTIVE OPTIONS AND REQUIREMENTS (23 hours)	Institutional Requirements	Computer Literacy met with required Engineering Technology General Education course PHY223			Required course listed above		
		First Year Experience (FYE 1-3 hrs)	Freshman Seminar; Intro. to College; Mastering College Exp.	COL100, 101, 136 (counts as elective degree requirement)			
	REQUIRED ENGINEERING TECHNOLOGY COURSES	22 hours	Calculus II (5)	MTH 185			
			General Physics II (5)	PHY 224*			
			Introduction to Computer Programming (3)	CIS 155			
			Computer Aided Engineering Design (3)	EGR 101			
			Engineering Mechanics-Statics (3)	EGR 228			
			Engineering Mechanics-Dynamics (3)	EGR 250			
TOTAL A.S. engineering technology degree credit hours (at least 65 hours required)							
Institution Student Plans to Transfer to and Major Area of Study:							
Student Signature/Date							
Advisor Signature/Date							

Consult your Engineering Advisor and 4-year transfer institution for assistance in selecting courses for your specific degree, major, and transfer institution requirements.

Revised August 2020

Career Education Certificates & Associate of Applied Science Degrees

Jefferson College offers several Career Education programs designed to prepare a student for immediate employment after graduation. In most of these programs, the student has the choice of pursuing either a Career Education certificate or the Associate of Applied Science (A.A.S.) degree.

Since most of the programs are highly sequential in nature, and all courses are not offered each semester, it is important that students follow the suggested curriculum as closely as possible. Some Career Education programs require state licensing for professional practice. The completion of Jefferson College's programs entitles the student to complete these examinations.

Career Education Certificates

Certificate programs focus only on the knowledge and skills for one of the following specific careers and thus do not include General Education requirements for associate degrees. They do include the First Year Experience institutional requirement. See Career Education Requirements for specific certificates and A.A.S. degrees' on pages 90-119. Students pursuing a Career Education certificate must complete all courses so specified in the appropriate curriculum and maintain a 2.0 cumulative grade point average for those required courses.

The following Career Education Certificate programs are available at Jefferson College:
- Accounting
- Applied Technology
- Automotive Technology
- Business Management
- Child Care/Early Childhood Education
- Computer Information Systems
  - o Computer Support Option
  - o Criminal Justice Cyber Security Option
- Computer Integrated Manufacturing
- Culinary Arts (One or two year)
- Emergency Medical Technology
- Health Information Technology
- Heating, Refrigeration, and Air Conditioning Technology (Installer & Technician)
- Law Enforcement Academy
- Practical Nursing
- Radiologic Technology
- Welding Technology

Associate of Applied Science Degrees

The Associate of Applied Science (A.A.S.) degree is a specialized degree designed to prepare a student for entry into a particular occupation. As such, this degree only requires completion of a minimum of 18 credit hours within the General Education program. Thus, students are not expected to demonstrate the complete range of academic knowledge, and skills, and competencies as students who complete the full 42 credit hours in General Education Program CORE 42 curriculum for the Associate of Arts (A.A.) transferable degree. An A.A.S. degree does not automatically qualify a student for any other programs and students who change degrees may have to take additional general education courses.

When A.A.S. credit hours earned are used for transfer, they will be evaluated on a course-by-course basis by the transfer institution. In order for students to be adequately prepared for the workforce and to facilitate articulation agreements, a minimum of twenty-five percent of the A.A.S. degree requirements shall consist of college-level transferable general education.

In addition to the General Education and institutional requirements, a student working toward an A.A.S. degree must major in an area of concentration which may also include a specialty (i.e., Business Management: Marketing). Courses should be carefully selected with the help of an advisor/faculty to meet degree requirements and prerequisites.

- Accounting
- Applied Technology
- Apprenticeship Training
- Automotive Technology
- Business Management
  - o   Accounting
  - o   Marketing
- Child Care/Early Childhood Education
- Computer Information Systems
  - o   Computer Support Option
  - o   Criminal Justice Cyber Security Option
- Computer Integrated Manufacturing
- Criminal Justice/Law Enforcement Academy
- Culinary Arts
- Emergency Medical Technology
- Health Information Technology
- Heating, Refrigeration, and Air Conditioning Technology
- Nursing
- Occupational Therapy Assistant
- Physical Therapist Assistant
- Radiologic Technology
- Veterinary Technology
- Welding Technology

Program Career and Salary Information

Pursuant to Missouri HB 1606 (2018) information regarding the number of credit hours, program length, employment rate, wage data, and graduates employed in careers related to their program of study at Jefferson College can be found at the following URL: https://scorecard.mo.gov/scorecard/. Search using School / Program "Jefferson College" and choose the degree or credential type of interest.

The following limitations to the data apply: Information provided is based on the most recent cohorts available. Typically, most recent cohorts for wage and completion data are six years prior to the current academic year. Time to complete a program of study varies depending on the number of credit hours students earn per semester.

Associate of Applied Science
General Education Program Requirements:

The Associate of Applied Science (A.A.S.) degree requires completion of a degree specific portion of the General Education program curriculum distributed among the Knowledge Areas as listed below. See page 99-119 for a list of courses within each of these knowledge area as well as the notes below regarding specific courses recommended/required for the A.A.S. degree.

See Career Education Requirements for specific certificates and A.A.S. degrees' on pages 99-119 for specific general education courses required for each A.A.S. degree. Total number of general education credit hours required will vary depending on departmental requirements. General education credits should be carefully selected with the help of an advisor/faculty to meet degree requirements and prerequisites.

Students pursuing an A.A.S. degree complete just a portion of the CORE 42 as part of their specific degree requirements. Students who change degrees will be required to meet the general education requirements of the new degree. Students who do not complete either the Associate of Arts or the CORE 42 shall receive credit at a receiving Missouri public institution for each MOTR course completed at a sending institution. Students shall receive full credit, including any prerequisites or requirements in the major, for all MOTR courses transferred. After receiving credit for MOTR courses, the student shall complete the general education program or CORE 42 at the receiving institution.

Social & Behavioral Sciences	Written Communications	Humanities and Fine Arts or Communications	Mathematical and/or Natural Sciences
6 credit hours minimum including at least one Civics course A.A.S. degrees require/recommend specific courses: See Career Education Requirements for specific A.A.S. degrees' for specific courses for each degree. **Consult your advisor for assistance in selecting courses for your specific degree.** May include courses that are not MOTR CORE courses.	3 credit hours minimum A.A.S. requires: Courses with MOTR equivalence ENG101, 101H English Composition I	3 credit hours minimum; performance classes do not apply to either Humanities and Fine Arts and/or total general education A.A.S. degrees require/recommend specific courses: See Career Education Requirements for specific A.A.S. degrees' for specific courses for each degree. **Consult your advisor for assistance in selecting courses for your specific degree.** May include courses that are not MOTR CORE courses.	6 credit hours minimum A.A.S. degrees require/recommend specific courses: See Career Education Requirements for specific A.A.S. degrees' for specific courses for each degree. **Consult your advisor for assistance in selecting courses for your specific degree.** May include courses that are not MOTR CORE courses.

Associate of Applied Science Institutional Requirements

Computer Literacy Proficiency 3 credit hours

Computer literacy proficiency skills are demonstrated through examination or course completion with a grade of "C" or better. The following courses fulfill degree requirements or apply as elective credit hours:
CIS125 Computer Concepts and Applications EDU205 Educational Technology

First Year Experience 1-3 credit hours (apply as elective credit hours)

One of the following required:
COL100 Freshman Seminar
COL101 Introduction to College: Strategies for Success COL136 Mastering the College Experience

Associate of Applied Science Program Requirements:

See Career Education Requirements for specific certificates and A.A.S. degrees' on pages 99-119 for specific courses required for each A.A.S. degree. Total number of credit hours required will vary depending on departmental requirements.

Applied Technology

(Associate of Applied Science degree or certificate)

Jefferson College's Applied Technology degree/certificate allows students to tailor a degree to match their current employment requirements or prepare for future employment. The Applied Technology degree will allow flexibility in course selection to match the student's technological interest. Students must take six hours of required technical coursework (CIS125, Computer Concepts and Applications, and BUS120, Principles of Management) and a minimum of 20 credit hours (core electives) in one of the programs listed (list "A"). Students must take an additional 18 credit hours (technical electives) from any of the programs listed (list "B"). Students must also complete the First Year Experience requirement. To earn an Associate of Applied Science degree in Applied Technology, a student must also complete a minimum of 18 general education credit hours.

A student may earn an Applied Technology certificate by completing six credit hours of required technical electives (CIS125, Computer Concepts and Applications, and BUS120, Principles of Management), 20 credit hours of core electives from one of the programs listed (list "A"), 18 credit hours of technical electives from any of the programs listed (list "B"), and the First Year Experience requirement.

Program list "A"
Automotive Technology (AUT)
Biomedical Electronics Technician (BET)
Business Information Technology (BIT)
Business Management (BUS, MGT)
Computer Information Systems (CIS)
Computer Integrated Manufacturing (CIM)
Childcare/Early Childhood Education (ECE)
Electronics Technology (ETC, ETI)
Emergency Medical Technology (EMT)
Fire Science Technology (FST)
Heating, Refrigeration, and Air Conditioning Technology (HRA)
Veterinary Technology (VAT)
Welding Technology (WLD)

Program list "B"
Automotive Technology (AUT)
Biomedical Electronics Technician (BET)
Business Information Technology (BIT)
Business Management (BUS, MGT)
Computer Information Systems (CIS)
Computer Integrated Manufacturing (CIM)
Childcare/Early Childhood Education (ECE)
Electronics Technology (ETC, ETI)
Emergency Medical Technology (EMT)
Fire Science Technology (FST)
Heating, Refrigeration, and Air Conditioning Technology (HRA)
Machine Tool/CNC Technology (MTT)
Veterinary Technology (VAT)
Welding Technology (WLD)

Click here for course and degree/certificate information.

Apprenticeship Training

The Jefferson College Apprenticeship Credit Option Program is designed for individuals who have completed apprenticeship training or are presently enrolled in an established apprenticeship program.

The program allows an individual to transfer credit for his/her apprenticeship training to Jefferson College. Eighteen hours of general education are required to complete the Associate of Applied Science degree. A student can spread out these 18 credit hours over a typical four-year apprenticeship program or can complete them all in a semester or two if his/her schedule allows.

A key element of the program involves recognizing the value and worth of apprenticeship and on-the-job training by granting college credit for this work experience. There is a fee for posting apprenticeship training credits on the student's transcript, which is equivalent to five credit hours of in-district tuition at Jefferson College. The program's Associate of Applied Science degree not only elevates the significance of individual apprenticeship training in the eyes of the community, but it also allows individuals to pursue an advanced degree and to increase their technical and related skills.

For additional information, please contact the Office of Business and Workforce Development at (636)481-3112/797-3000, ext. 3112

Degree Composite:

Apprenticeship Core	45 hours
General Education Core	18 hours
TOTAL	**63 hours**

Click here for course and degree/certificate information.

Automotive Technology

The Jefferson College Automotive Technology Program has received five-year accreditation by the National Automotive Technicians Education Foundation (NATEF) for meeting strict industry standards in the areas of brakes, electrical/electronic systems, engine performance, engine repair, and suspension/steering. The program instructors are certified by the National Institute for Automotive Service Excellence (ASE).

This curriculum prepares students for employment in the automotive services industry. Graduates have been employed in sales, parts, and technician positions.

Click here for course and degree/certificate information.

Business Management

(Associate of Applied Science degree or certificate)

The Business Management degree is for those who wish to obtain an Associate of Applied Science degree and enter the workforce upon completion. The program provides a broad course of study in Management, Marketing, Accounting, Advertising, Personal Selling, Entrepreneurship, and Finance.

Click here for course and degree/certificate information.

Child Care/Early Childhood Education

(Associate of Applied Science degree or certificate)

The primary purpose of this program is to provide students with the background and professional competencies necessary for employment in the field of early childhood care and education. Upon graduation, students will be prepared for employment in a variety of settings including preschools, day care centers, school-age child care centers, residential centers, public schools (as classroom assistants), and recreation centers.

Also, a substantial number of transfer credits will be earned for those students who later decide to pursue an education degree at a senior institution. All participants in the Child Care/Early Childhood Education degree and certificate programs must meet all current regulations for personnel regarding health and child abuse/neglect screening mandated by the Missouri Division of Health Day Care Licensing Agency.

Click here for course and degree/certificate information.

Computer Information Systems

❖ Computer Support Option

(Associate of Applied Science degree or certificate)

Computer Support Option graduates provide technical assistance to computer system users. They may answer questions or resolve computer problems for clients in person, via telephone, or from a remote location. They may provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. They may install and maintain computer networks and servers. Job titles may include: Help Desk Analyst, Computer Support Specialist, Computer Technician, Technical Support Specialist, Network Support Specialist, Network Technician, Server Administrator, or Systems Administrator.

The courses in this program cover PC and server operating systems, hardware, software, and networking. Students will prepare for CompTIA's A+, Linux+, Network+, and Security+ certification exams as well as Microsoft's Certified Systems Administrator certification exams. Learning objectives for Introduction to Computer Support, Advanced Computer Support, Networking I, Networking II, MS Server I, MS Server II, MS Server III, Information Systems Security, and Linux OS align directly with their corresponding certification exam objectives.

Jefferson College is proud to be a CompTIA Authorized Academy and Microsoft Imagine Academy.
Click here for course and degree/certificate information.

❖ Criminal Justice Cyber Security Option

(Associate of Applied Science degree or certificate)

The Computer Information Systems:h combines information technology fundamentals and information systems security with an in-depth look at the criminal justice system. This unique combination of skills prepares students to protect computer systems, networks, and data from modern threats while maintaining ethical and legal standards. Technical coursework aligns directly with CompTIA A+, Network+, and Security+ exam objectives.

Certification fees are included in their respective courses.
Click here for course and degree/certificate information.

Computer Integrated Manufacturing

(Associate of Applied Science degree or certificate)

In the Computer Integrated Manufacturing program, students will learn computer integration in industrial manufacturing, which is the key to providing high precision and intricate machined metal parts into the world's growing demand for extremely technical design. With the assistance of computer aided drafting and computer aided manufacturing (CAD/CAM), the gap between manufacturing and engineering tightens. The results of this integration are higher standards of precision and quality, along with programming, set-up, and machine cycle time reduction of CNC machining centers and turning centers.

Graduates will be prepared to enter careers as CNC Operators, CNC Programmers, CNC Set-up, CNC Machinists, Manufacturing Technicians, and Research and Development Technicians.

Click here for course and degree/certificate information.

Law Enforcement

(Associate of Applied Science degree or certificate)

The curriculum Law Enforcement is designed for those who plan to seek employment with public and private agencies concerned with maintaining public safety. Participants in the Jefferson College Law Enforcement Academy earn this degree.

Click here for course and degree/certificate information.

❖ **Jefferson College Law Enforcement Academy**

The Jefferson College Law Enforcement Academy consists of day and night programs. The day class academy meets August-May, Monday-Friday, 8:30 a.m.-3:30 p.m. with occasional evening hours when necessary to satisfy specific training needs. The night class academy meets January-December, Monday-Thursday, 6-10 p.m. and two eight-hour Saturdays a month. Both programs incorporate the Associate of Applied Science degree in Criminal Justice and Missouri Department of Public Safety Peace Officers Standards and Training (POST) Class A License curriculum. This fast-paced program offers both academic and practical exercises to prepare the participant for a career in law enforcement. In addition to academic classes and curriculum, training also includes OC pepper spray, expandable baton, breathalyzer certification, first aid/CPR/AED, defense tactics, and fitness training.

The JCLEA POST class is only available for those applicants who already have a degree or have the general education prerequisites. The POST only class includes the required POST curriculum for a Class A POST License and requisites for a Certificate in Law Enforcement. Included are specialized certifications in firearms, OC pepper spray, expandable baton, first responder, datamaster breath alcohol analyzer type III operator, standard field sobriety testing, and RADAR/LIDAR operations. The JCLEA POST class is eight months long, beginning each October and graduates in July of the following year. Classes meet Monday-Thursday, 6-10 p.m. and two eight-hour Saturdays a month. Upon successful completion of the program, recruits earn a Certificate in Law Enforcement and the opportunity to test for a Class A POST License.

Culinary Arts

(Associate of Applied Science degree or certificate)

This degree will provide the necessary background to succeed in the Culinary Arts vocation. One and two-year certificates or the Associate of Applied Science degree are available.

Click here for course and degree/certificate information.

Emergency Medical Technology

(Associate of Applied Science degree or certificate)

A licensed Emergency Medical Technician/Paramedic is a trained person who responds to emergency calls to provide efficient and immediate care to the critically ill and injured, stabilizes patients, and transports them to a medical facility. A career ladder in Emergency Medical Technology has been established which would enable the student to stop at any level with job skills or progress to the associate degree as a Paramedic. Qualified Emergency Medical Technicians/Paramedics may find job opportunities in many fields of endeavor including health service facilities, fire departments, industry, and ambulance services. This program is accredited through the Missouri Division of Health – Bureau of Emergency Medical Services. Successful completion of the course and board examinations results in certification with NREMT (National Registry of Emergency Medical Technicians), which is pursuant to licensure in all participating states.

NOTES: Application to the paramedic coursework is a competitive process. This program is only offered at the Jefferson College Imperial location.

Click here for course and degree/certificate information.

Health Information Technology

(Associate of Applied Science degree or certificate)

The two-year Health Information Technology (HIT) program is dedicated to producing competent health care professionals. The HIT curriculum includes general education courses, anatomy and physiology, pathophysiology, medical terminology, legal aspects of health care, health care statistics, health care privacy and security, medical coding, electronic health records, and practical experience in approved health care facilities. All HIT students must achieve a "C" or better in all HIT classes to advance through the program and be eligible for graduation.

The Health Information Technology program at Jefferson College is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

Click here for course and degree information.

Healthcare Professions

See the following programs: Emergency Medical Technology/Paramedic, Health Information Technology, Nursing, Occupational Therapy Assistant, Physical Therapist Assistant, Radiologic Technology, or Veterinary Technology listed in this catalog.

Heating, Refrigeration, and Air Conditioning Technology

(Associate of Applied Science degree or certificate)

This curriculum prepares students for employment as installers and maintenance mechanics in the rapidly growing and increasingly technical field of heating, refrigeration, and air conditioning.

The Jefferson College Heating, Refrigeration, and Air Conditioning Program is accredited by HVAC Excellence (1701 Pennsylvania Ave NW, Washington, DC 20006; phone 800-394-5268, www.hvacexcellence.org).

Click here for course and degree/certificate information.

Nursing Bi-Level Program

The Bi-level Nursing Program admits beginning nursing students to Level I / PN each fall in the day program (1 year) and each spring in the evening/weekend program (2 years), based on admission testing scores, completion of prerequisites, GPA, and completed written application. Successful completion of Level I / PN leads to certification and application for licensure as a Licensed Practical Nurse*. All Level I / PN students, meeting academic requirements, progress to Level II / RN. Additionally, all Level II / RN students must have attained LPN status by the mid-term of the fall semester to continue in the program.

Successful completion of Level II / RN leads to an Associate of Applied Science degree and application for licensure as a Registered Professional Nurse (RN)*. Level II / RN also accepts a limited number of already practicing LPN's who must meet specific admission requirements including prerequisites, IV certification, minimum mobility exam testing scores, and GPA.

Level I PN and Level II RN fees are based on total instructional costs of the program.

Level I / PN and Level II / RN have full approval from the Missouri State Board of Nursing (MSBN).

*Graduation does not guarantee eligibility to take this licensure exam.

Click here for program information.

Occupational Therapy Assistant

(Associate of Applied Science degree only)

The Jefferson College Occupational Therapy Assistant (OTA) Program culminates in an Associate of Applied Science degree. In keeping with the College's commitment to meet community and student needs, this program offers a curriculum providing students with the opportunity to achieve their personal and professional goals. It incorporates academic courses in the basic sciences, laying a foundation for the core OTA courses. Core curriculum includes: theory and foundations of OTA, professional development, health and disease, exposure to therapeutic milieu across the life span, hands-on skill labs, and clinical experiences required for students to graduate with entry level OTA skills and become eligible to sit for the National Board Certification exam for Occupational Therapy. A minimum cumulative GPA of 2.5 is required to graduate from this program. Classes are held at Jefferson College Hillsboro campus and JC Online.

The Jefferson College Occupational Therapy Assistant program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 616 Executive Blvd., Suite 200, North Bethesda, MD 20852-4929. ACOTE's telephone number c/o AOTA is (301)652-AOTA and its web address is www.acoteonline.org. Graduates of the program will be eligible to sit for the national certification examination for the Occupational Therapy Assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). In addition, most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT Certification Examination or attain state licensure.

Click here for course and degree information.

Physical Therapist Assistant

(Associate of Applied Science degree only)

The Jefferson College Physical Therapist Assistant (PTA) Program offers students a means of achieving a degree in this rapidly growing and highly sought after health care field. Students admitted to the PTA program will complete courses in rehabilitation theory, laboratory practice, and clinical experiences in the community, all of which will prepare the student to work in any of a variety of healthcare settings. Graduates are eligible to sit for the National Physical Therapy Examination to achieve the licensure required to work as a PTA.

Admission to the PTA program is selective and requires completion of prerequisite courses and a separate application.

The Physical Therapist Assistant Program at Jefferson College is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; phone 703-706-3245; email: accreditation@apta.org; website: www.capteonline.org.

Click here for course and degree information.

Radiologic Technology

(Associate of Applied Science degree or certificate)

The Radiologic Technology Program is committed to preparing liberally educated, competent, caring, and socially responsible medical imaging technologists by providing an accessible, quality college experience as it strives to meet the diverse needs of the students and the community.

The Radiologic Technology program will foster excellence in teaching and scholarly inquiry by promoting learning opportunities in cutting-edge technology, academic rigor, and an open exchange of ideas to ensure an environment which exemplifies caring and service to the community. The program aims to prepare students with the attributes of responsible citizens who are committedto lifelong learning and who are critical thinkers and creative, capable, and culturally sensitive ractitioners. In doing so, we will provide educated students with marketable skills and expertise in current imaging technologies.

The Associate of Applied Science degree in Radiologic Technology prepares graduates to perform x-ray examinations in a wide variety of settings. The radiographer applies complex techniques to create radiographic images used to diagnose health problems. Upon completion of the program, the graduate is eligible for certification through the American Registry of Radiologic Technologists (ARRT). A minimum cumulative GPA of 2.5 is required to graduate from this program. Additionally, the Radiologic Technology program offers a certificate track for select individuals already holding and Associate Degree or higher. Entrance to the Radiologic Technology program is by selective admission and is highly competitive. An informational packet with an application is available online at www.jeffco.edu/rad.

The Radiologic Technology program is recognized as an accredited program with the American Registry of Radiologic Technologists and the Joint Review Committee on Education in Radiologic Technology (JCERT). Please see the website for the full accreditation statement.

Click here for course and degree/certificate information.

Veterinary Technology

(Associate of Applied Science degree only)

The Veterinary Technology Program combines the study of college-level general education courses and extensive coursework in science and animal health theory and practice designed to prepare graduates for careers as registered veterinary technicians. Acceptance into the program is competitive; the Veterinary Technology Admission Committee evaluates applicants. For admission procedures, contact either Veterinary Technology or the Office of Enrollment Services. All applicants must have completed high school level biology and chemistry with laboratory sessions, or college-level General Biology (BIO101) and college-level Introductory Chemistry (CHM101) with a grade of "C" or better within the previous five years of registration date into the Veterinary Technology program. All Veterinary Technology program students are required to achieve a "C" or better in all Veterinary Technology coursework to advance and complete the program.

Click here for course and degree information.

Welding Technology

(Associate of Applied Science degree or certificate)

The Welding Technology Program combines advanced welding training and related technical courses designed to prepare students for employment as welders, welder-fitters, specialist welders, or ultimately, welding supervisors, analysts, inspectors, and welding technicians. The American Welding Society standards are stressed.

Click here for course and degree/certificate information.

Last Name   First Name

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
ACCOUNTING DEGREE PLAN

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Introduction to Business (3)	BUS101					X
Financial Accounting (3)	BUS240				X	X
Managerial Accounting (3)	BUS241					X
Tax Accounting (3)	BUS246					X
Business Communications (3)	BUS261				X	X
Spreadsheet Applications (3)	MGT105				X	X
Bookkeeping (3)	MGT107				X	X
Payroll Accounting (3)	MGT243				X	X
Computerized Accounting (3)	MGT244				X	X
QuickBooks (3)	MGT245				X	X
Group I. *Communications (3)*	ENG101(H)				X	X
Group II. *Humanities/Communications (3)*	COM100(H) or COM110					X
Group III. *Social/Behavioral Sciences (3)*						X
Civics (3)						X
MO Higher Ed Civics Exam	PSC001					X
Group IV. Business Math (3) required	MGT103*				X	X
Math (3) MTH131, 132, or 134						X
Group V. *Computer Literacy*	CIS125*				X	X
Group VI. *First Year Experience (1-3)*					X	X
Electives (12) *Selected from list below*						X
Student Signature/Date						
Advisor Signature/Date						

Total Credit Hours: **31-33**   **64-66**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.
    ENG101(H) English Comp. I **required**

Group II.   Humanities/Communications 3 hrs.
    COM100(H) or COM 110 **required**

Group III. Social/Behavioral Sciences 6 hrs.
    3 hours must fulfill Civics requirement
    See MOTR CORE 42 list for choices

Group IV.   Math 6 hrs.
    MGT103 Business Math* (3) **required**
    MTH131, 132, or 134 (3) **select one**

Group V.   Computer Literacy 3 hrs.
    CIS125* Computer Concepts and Applications **required**

Group VI.   First Year Experience 1-3 hrs.
    COL100*/101*/136* **required**

Elective Options:
Principles of Mgt BUS 120
Marketing MGT150
Business Statistics BUS168
Cost Accounting BUS245
Business Law BUS265
Macroeconomics ECO101
Microeconomics ECO102
Personal Finance MGT125
Personal Selling MGT132
Entrepreneurship MGT145
Financial Management MGT262
Accounting Internship MGT295
Ethics PHL202
Business & Prof. Ethics PHL204

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
APPLIED TECHNOLOGY DEGREE PLAN

Effective 2020-2021

	COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	AAS
Core Electives (20 hrs. from ONE area)	AUT - Automotive Technology						
	BET - Biomedical Electronics Technology						
	BIT - Business Information Technology						
	BUS, MGT - Business Management						
	CIM - Computer Integrated Manufacturing						
	CIS - Computer Information Systems						
	ECE - Childcare/Early Childhood Education					X	X
	EMT - Emergency Medical Technology						
	ETC, ETI - Electronics Technology						
	FST - Fire Science Technology						
	HRA - Heating, Refrigeration, & AC Technology						
	VAT - Veterinary Technology						
	WLD - Welding Technology						
General Education & Institutional Requirements (Total 22 hrs.)	Group I. *Communications* (3)	ENG101(H)					X
	Group II. *Humanities/Communications* (3)						X
	Group III. *Civics* (3)						X
	MO Higher Ed Civics Exam	PSC001					X
	Social/Behavioral Sciences (3)						X
	Group IV. *Math and/or Natural Science* (6)						X
	Group V. *Computer Literacy (3)*	CIS125*				X	X
	Group VI. *First Year Experience* (1-3)					X	X
Technical Electives (Total 21 hrs.)	Principles of Management (3) required	BUS120				X	X
	Select 18 hrs. from any combination of areas below: AUT, BET, BIT, BUS, CDA, CDD, CDM, CIM, CIS, CVL, ECE, EMT, ETC, ETI, FST, HRA, MGT, MTT, VAT, WLD					X	X
Student Signature/Date							
Advisor Signature/Date							

Total Credit Hours: 45 - 47   63 - 65

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   **Communications   3 hrs.**
     ENG101(H) English Comp. I **required**

Group II.   **Humanities/Communications   3 hrs.**
     See MOTR CORE 42 list for choices
     Cannot use Performance courses

Group III.   **Social/Behavioral Sciences   6 hrs.**
     3 hours must fulfill Civics requirement
     See MOTR CORE 42 list for choices

Group IV.   **Math/Science   6 hrs.**
     MGT103*;MTH105*,110*,128*;
     See MOTR CORE 42 list for additional choices

Group V.   **Computer Literacy   3 hrs.**
     CIS125* **required**

Group VI.   **First Year Experience   1-3 hrs.**
     COL100*/101*/136* **required**

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are

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Last Name	First Name

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
APPRENTICESHIP TRAINING DEGREE PLAN

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED
Apprenticeship Training (45)^	APR101,105, 201,205,207			
Group I. *Communications* (3)	ENG101(H)			
Group II. *Humanities/Communications* (3)				
Group III. *Civics* (3)				
MO Higher Ed Civics Exam	PSC001			
Social/Behavioral Sciences (3)				
Group IV. *Math and/or Science* (6)				
Group V. *Computer Literacy* met by exam or coursework				
Student Signature/Date				
Advisor Signature/Date				

^ Must submit Journeyman's Certificate to the Office of Enrollment Services for credit to be posted.

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I. **Communications 3 hrs**
ENG101(H) English Comp. I **required**

Group II. **Humanities/Communications 3 hrs**
See MOTR CORE 42 list for choices
Cannot use performance classes

Group III. **Social/Behavioral Sciences 6 hrs**
Civics: (3) select one
See MOTR CORE 42 list for choices
Social/Behavioral Sciences: (3) select one
See MOTR CORE 42 list for choices
PSY 101 reccommended

Group IV. Math and/or Science 6 hrs
MGT103*;MTH105*,110*,128*;
See MOTR CORE 42 list for additonal choices
MGT103* recommended for AAS degree
MTH134 recommended for transfer to a
bachelor's program.

Group V. Computer Literacy 3 hrs
CIS125*; EDU205*

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.

Degree Composite
Apprenticeship Core: 45 hours
General Education and Institutional Requirements Core: 18 hours
TOTAL: *63 hours*

NOTE: Students must complete at least 15 credit hours at Jefferson College to meet the residency requirement for graduation.

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
AUTOMOTIVE TECHNOLOGY DEGREE PLAN

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Automotive Shop Safety (1)	AUT100				X	X
Automotive Brake Systems (2)	AUT131				X	X
Automotive Brake Systems Lab (4)	AUT132				X	X
Automotive Steering and Suspension Systems (3)	AUT141				X	X
Automotive Steering and Suspension Systems Lab (3)	AUT142				X	X
Automotive Engine Repair (1)	AUT151				X	X
Automotive Engine Repair Lab (3)	AUT152				X	X
Introduction to Engine Performance (1)	AUT161				X	X
Introduction to Engine Performance Lab (3)	AUT162				X	X
Basic Electrical/Electronics Systems (4)	AUT201					X
Basic Electrical/Electronics Systems Lab (5)	AUT202					X
Advanced Engine Performance (2)	AUT211					X
Advanced Engine Performance Lab (3)	AUT212					X
Advanced Electrical/Electronics Systems (2)	AUT221					X
Advanced Electrical/Electronics Systems Lab (3)	AUT222					X
Driveline Diagnosis and Service (2)	AUT231					X
Driveline Diagnosis and Service Lab (3)	AUT232					X
Automotive Heating/AC Systems (2)	AUT251					X
Automotive Heating/AC Systems Lab (3)	AUT252					X
Automotive Industry Management Fundamentals (2)	AUT258					X
Technical Internship (1-3) optional	INT191,192, or193					
Group I. *Communications* (3)	ENG101(H)					X
Group II. *Humanities/Communications* (3)						X
Group III. *Social/Behavioral Sciences* (3)						X
*Civics (*3)						X
MO Higher Ed Civics Exam	PSC001					X
Group IV. *Math and/or Science* (3)						X
Industrial Math (3)	MTH105*				X	X
Group V. *Computer Literacy* (3) met by exam or coursework						X
Group VI. *First Year Experience* (1-3)					X	X
Student Signature/Date						
Advisor Signature/Date						

Total Credit Hours: 25-27   74-79

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   **Communications 3 hrs.**
 ENG101(H) English Comp. I **required**

Group II.   **Humanities/Communications 3 hrs.**
 See MOTR CORE 42 list for choices
 Cannot use Performance classes

Group III.   **Social/Behavioral Sciences 6 hrs.**
 3 hours must fulfill Civics requirement
 See MOTR CORE 42 list for choices

Group IV.   **Math and/or Science   6 hrs.**
 MTH105 Industrial Math* required
 MGT103*;MTH110*,128*;
 See MOTR CORE 42 list for additional choices

Group V.   **Computer Literacy 0-3 hrs.**
 CIS125*; EDU 205*

Group VI.   **First Year Experience 1-3 hrs.**
 COL100*/101*/136* required

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
BUSINESS MANAGEMENT DEGREE PLAN

</div>

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Introduction to Business (3)	BUS101					X
Principles of Management (3)	BUS120				X	X
Marketing (3)	BUS150				X	X
Business Communications (3)	BUS261					X
Bookkeeping or Financial Accounting (3)	MGT107 or BUS240				X	X
Spreadsheet Applications (3)	MGT105				X	X
Personal Selling (3)	MGT132				X	X
Entrepreneurship (3)	MGT145					X
Business Internship I (4)	MGT199				X	X
Financial Management (3)	MGT262					X
Electives (12) Selected from list below					6 HOURS	12 HOURS
Group I. *Communications (3)*	ENG101(H)				X	X
Group II. *Humanities/Communications (3)*	COM100(H) or COM110				X	X
Group III. *Social/Behavioral Sciences (3)*						X
Civics (3)						X
MO Higher Ed Civics Exam	PSC001					X
Group IV. *Math and/or Science (3)*						X
Business Math (3)	MGT103*				X	X
Group V. *Computer Concepts and Applications (3)*	CIS125*					X
Group VI. *First Year Experience (1-3)*					X	X
Student Signature/Date						
Advisor Signature/Date						

Total Credit Hours: 35 - 37   65 - 67

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.
   ENG101(H) English Comp. I **required**

Group II.   Humanities/Communications 3 hrs.
   COM100(H) or COM110 **required**

Group III.   Social/Behavioral Sciences 6 hrs.
   3 hours must fulfill Civics requirement
    See MOTR CORE 42 list for choices

Group IV.   Math and/or Science 6 hrs.
   MGT103 Business Math (3) **required**
   MTH105*,110*128*, or choose from MOTR list
    See MOTR CORE 42 list for additional choices

Group V.   Computer Literacy 3 hrs
   CIS125* **required**

Group VI.   First Year Experience 1-3 hrs.
    COL100*/101*/136* **required**

ELECTIVES: Choose any four below for degrees or any two for certificates.

To earn a concentration, choose three of the four electives in either Accounting or Marketing.

Accounting:
Financial Accounting BUS240
Managerial Accounting BUS241
Cost Accounting BUS245
Tax Accounting BUS246
Payroll Accounting MGT243
Computerized Accounting MGT244
QuickBooks MGT245

Marketing:
Advertising MGT133
Web Marketing MGT220
Social Media Mktg MGT230
Marketing Strat MGT255

Optional:
Business Law BUS265
Human Resource Mgt. MGT120
Personal Finance MGT125

Internship II MGT299
Ethics PHL202
Bus and Prof Ethics PHL204

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
CHILD CARE / EARLY CHILDHOOD EDUCATION DEGREE PLAN

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Introduction to Early Childhood Education (4)	ECE102				X	X
Child Health, Nutrition, and Safety (3)	ECE103				X	X
School Age Child Care (3)	ECE107				X	X
Infant/Toddler Care (3)	ECE108				X	X
Behavior Management (3)	ECE122				X	X
Early Childhood Education Lab (2)	ECE201				X	X
Early Childhood Education Practicum I (2)	ECE202				X	X
Early Childhood Education Practicum II (2)	ECE205				X	X
Curriculum Strategies for Preschool Classrooms (3)	ECE210				X	X
Family, School, and Community Relations (3)	ECE212				X	X
Integrating Children with Special Needs (3)	ECE120					X
Early Childhood Education Administration (3)	ECE214					X
Literature for Children (3)	EDU245					X
First Aid & C.P.R. (3)	HPE132					X
Child Development (3)	PSY201					X
Group I. *Communications* (3)	ENG101(H)					X
Group II. *Humanities/Communications* (3)	ENG102(H)					X
Group III. *Social/Behavioral Sciences* (3)	PSY101(H)					X
Group III. *Civics* (3)						X
PSC001 MO Higher Ed Civics Exam must also be completed						X
Group IV. *Math* (3)						X
Science (3)						X
Group V. *Computer Literacy* (3)	EDU205*					X
Group VI. *First Year Experience* (1-3)					X	X
Student Signature/Date						
Advisor Signature/Date						

Total Credit Hours: **29-31   65-67**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   **Communications   3 hrs.**
      ENG101(H) English Composition I **required**

Group II.   **Humanities/Communications   3 hrs.**
      ENG102(H) English Composition II **required**

Group III.   **Social/Behavioral Sciences   6 hrs.**
      PSY101 General Psychology **required**
      3 hours must fulfill Civics requirement
      See MOTR CORE 42 list for choices

Group IV.   **Math 3 hrs**
      MGT103*;MTH105*,110*,128*; or MOTR CORE
      See MOTR CORE 42 list for choices

      Science 3 hrs.
      See MOTR CORE 42 list for choices

Group V.   **Computer Literacy   3 hrs.**
      EDU205 Educational Tech* **required**

Group VI.   **First Year Experience   1-3 hrs.**
      COL100*,101*,136*; EDU105* required

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
Degree Plan
COMPUTER INFORMATION SYSTEMS - COMPUTER SUPPORT OPTION

2020-2021

	COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Core Requirements	Networking I (4)	CIS147				X	X
	Introduction to Computer Support (3)	CIS150				X	X
	MS Server I (5)	CIS154				X	X
	Cabling and Equipment Installation (3)	CIS215					X
	MS Server II (5)	CIS220					X
	Virtualization and the Cloud (4)	CIS221					X
	Advanced Computer Support (3)	CIS243				X	X
	Networking II (4)	CIS247				X	X
	Enterprise Client Administration (3)	CIS252					X
	Information Systems Security (4)	CIS260					X
	Linux OS (3)	CIS275					X
	Networking/Support Projects (3) OR Technical Internship (3)	CIS282 OR INT193					
General Education & Institutional Reqr.	Group I. *Communications* (3)	ENG101(H)					X
	Group II. *Humanities/Communications* (3)						X
	Group III. *Social/Behavioral Sciences* (3)						X
	Civics (3)						X
	MO Higher Ed Civics Exam	PSC001					X
	Group IV. *Math and/or Science* (6)						X
	Group V. Computer Literacy (3)	CIS125*				X	X
	Group VI. *First Year Experience* (1-3)					X	X
Student Signature/Date							
Advisor Signature/Date							

Total Credit Hours: **23-25   66-68**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.
  ENG101(H) English Comp. I **required**

Group II. Humanities/Communications 3 hrs.
  See MOTR CORE 42 list for choices
  Cannot use Performance classes

Group III. Social/Behavioral Sciences 6 hrs.
  3 hours must fulfill Civics requirement
  See MOTR CORE 42 list for choices

Group IV. Math and/or Science   6 hrs.
  Recommend MGT103 Business Math
  MGT103*;MTH105*,110*,128*;
  See MOTR CORE 42 list for additional choices

Group V. Computer Literacy 3 hrs.
  CIS125 Computer Concepts and Apps.* **required**

Group VI. First Year Experience 1-3 hrs.
  COL100*, COL101*, or COL136* **required**

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
Degree Plan
COMPUTER INFORMATION SYSTEMS - CRIMINAL JUSTICE CYBER SECURITY OPTION

Effective 2020-2021

	COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	Cert.	AAS
Computer Information Systems Core (25 hrs)	Networking I (4)	CIS147				X	X
	Introduction to Computer Support (3)	CIS150				X	X
	MS Server I (4)	CIS154				X	X
	Advanced Computer Support (3)	CIS243				X	X
	Networking II (4)	CIS247				X	X
	Information Systems Security (4)	CIS260				X	X
	Linux OS (3)	CIS275				X	X
	Technical Internship (1-3) optional	INT191,192, or193					
Criminal Justice Core (18 hrs)	Introduction to Criminal Justice (3)	CRJ110				X	X
	Criminal Law (3)	CRJ112				X	X
	Rules of Criminal Evidence (3)	CRJ114				X	X
	Terrorism (3)	CRJ135				X	X
	Ethics in Criminal Justice (3)	CRJ140				X	X
	Criminal Investigation (3)	CRJ222				X	X
General Ed & Institutional Req (22-24 hrs)	Group I. *Communications* (3)	ENG101(H)					X
	Group II. *Humanities/Communications* (3)						X
	Group III. *Social/Behavioral Sciences* (3)						X
	Civics (3)						X
	MO Higher Ed Civics Exam	PSC001					X
	Group IV. *Math and/or Science* (6)						X
	Group V. Computer Literacy (3)	CIS125*				X	X
	Group VI. *First Year Experience* (1-3)					X	X

| **Student Signature/Date** |
| **Advisor Signature/Date** |

Total Credit Hours: **47-49**   **65-67**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I. **Communications 3 hrs.**
ENG101(H) English Comp. I **required**

Group II. **Humanities/Communications 3 hrs.**
Recommend PHL101 Logic
See MOTR CORE 42 list for choices
Cannot use Performance classes

Group III. **Social/Behavioral Sciences 6 hrs.**
Recommend SOC101 or PSY101
3 hours must fulfill Civics requirement
See MOTR CORE 42 list for choices

Group IV. **Math and/or Science 6 hrs.**
Recommend MTH134 College Algebra
MGT103*;MTH105*,110*,128*;
See MOTR CORE 42 list for additional choices

Group V. **Computer Literacy 3 hrs.**
CIS125* **required**

Group VI. **First Year Experience 1-3 hrs.**
COL100*, COL101*, or COL136* **required**

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
COMPUTER INTEGRATED MANUFACTURING DEGREE PLAN

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Introduction to Machining Procedures (3)	CIM105				X	X
CNC Programming I (3)	CIM125				X	X
Machining Procedures (3)	CIM150				X	X
CNC Programming II (5)	CIM155				X	X
Advanced Machining Procedures (3)	CIM205				X	X
Quality Assurance (3)	CIM210				X	X
Advanced CNC Programming (5)	CIM225				X	X
Computer Integrated Manufacturing (3)	CIM235				X	X
Computer Aided Manufacturing (5)	CIM240				X	X
Introduction to 3D Contouring (3)	CIM250				X	X
Industrial Blueprint Reading (3)	MTT108				X	X
Dimensional Metrology (3)	MTT116				X	X
Technical Internship (1-3) optional	INT191,192, or193					
Group I. *Communications* (3)	ENG101(H)					X
Group II. *Humanities/Communications* (3)						X
Group III. *Social/Behavioral Sciences* (3)						X
Civics (3)						X
MO Higher Ed Civics Exam	PSC001					X
Group IV. Industrial Math (3)	MTH105*				X	X
Technical Math I (3)	MTH121*					X
Group V. *Computer Literacy* (3)	CIS125*					X
Group VI. *First Year Experience* (1-3)					X	X
Student Signature/Date						
Advisor Signature/Date						

Total Credit Hours: **46-48   64-67**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.
    ENG101(H) English Comp. I **required**

Group II.   Humanities/Communications 3 hrs.
    See MOTR CORE 42 list for choices
    Cannot use Performance classes

Group III.   Social/Behavioral Sciences 6 hrs.
    3 hours must fulfill Civics requirement
    See MOTR CORE 42 list for choices

Group IV.   Math and/or Science 6 hrs.
    MTH105 (3) Industrial Math* **required**
    MTH121 (3) Technical Math I* **required**

Group V.   Computer Literacy 3 hrs.
    CIS125 Computer Concepts and
    Applications* **required**

Group VI.   First Year Experience 1-3 hrs.
    COL100*, COL101*, or COL136* **required**

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DIPLOMA
C1 = One-Year Certificate
C2 = Two-Year Certificate
A.A.S. Degree

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
CULINARY ARTS DEGREE PLAN

Effective 2020-2021

	COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	C1	C2	AAS
Culinary Core	ServSafe Sanitation (1)	CUL100					X	X
	Culinary Arts I (4)	CUL101				X	X	X
	Culinary Arts II (4)	CUL102				X	X	X
	Culinary Arts III (4)	CUL103					X	X
	Culinary Arts IV (4)	CUL104					X	X
	Hospitality and Restaurant Management (2)	CUL210					X	X
	Cost Control (2)	CUL211					X	X
	Hospitality Human Res Mgmt. & Supr. (2)	CUL212					X	X
	Nutrition (2)	CUL213						X
General Education & Institutional Reqr.	Group I. *Communications* (3)	ENG101(H)				X	X	X
	Group II. *Humanities/Communications* (3)	COM100(H)					X	X
	Group III. *Civics* (3)							X
	MO Higher Ed Civics Exam	PSC001						X
	Social/Behavioral Sciences (3)							X
	Group IV. *Math* (3)	MGT103*				X	X	X
	Math and/or Science (3)							X
	Group V. *Computer Literacy* (3)	CIS125*				X	X	X
	Group VI. *First Year Experience* (1-3)					X	X	X
	Introduction to Business (3)	BUS101				X	X	X
	Principles of Management (3)	BUS120					X	X
	Marketing (3)	BUS150						X
	Business Communications (3)	BUS261				X	X	X
	Advertising (3)	MGT133						X
	Electives (3-4)						X	X
Student Signature/Date								
Advisor Signature/Date								

Total Credit Hours:	**24**	**48**	**66**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I. Communications 3 hrs.
ENG101(H) English Comp. I **required**

Group II. Humanities/Communications 3 hrs.
COM100(H) Fund. of Communication **required**

Group III. Social/Behavioral Sciences 6 hrs.
3 hours must fulfill Civics requirement
See MOTR CORE 42 list for choices

Group IV. Math/Science 6 hrs.
MGT103 Business Math* (3) **required**
MTH105*,110*,128*; or choose from MOTR list
See MOTR CORE 42 list for additional choices

Group V. Computer Literacy 3 hrs.
CIS125 Computer Concepts & Apps.* **required**

Group VI. First Year Experience 1-3 hrs.
COL100*, COL101*, or COL136* **required**

Recommended Electives:

ART120 Design I	HPE130 Personal Health
ART121 Design II	HPE132 First Aid & CPR
BUS150 Marketing	MGT107 Bookkeeping
CUL115 Baking and Pastry	MGT133 Advertising

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
EMERGENCY MEDICAL TECHNOLOGY DEGREE PLAN

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Emergency Medical Technician I (4)	EMT110				X	X
Emergency Medical Technician II (4)	EMT120				X	X
Emergency Medical Technician Clinical/Internship I (2)	EMT125				X	X
Pre-Paramedic Training (3)	EMT206				X	X
Paramedic Advanced Care and Terminology (4)	PAR200				X	X
Paramedic Pharmacology (4)	PAR205				X	X
Paramedic Medical Emergencies (3)	PAR210				X	X
Paramedic Advanced Cardiology (4)	PAR215				X	X
Paramedic Clinical Practicum I (4)	PAR220				X	X
Paramedic Internship I (1)	PAR225				X	X
Paramedic Trauma Emergencies (3)	PAR230				X	X
Paramedic Special Considerations (3)	PAR235				X	X
Paramedic Ambulance Operations (2)	PAR240				X	X
Paramedic Clinical Practicum II (4)	PAR245				X	X
Paramedic Internship II (4)	PAR250				X	X
Paramedic Internship III (4)	PAR255				X	X
Group I. *Communications* (3)	ENG101(H)				X	X
Group II. *Humanities/Communications* (3)	COM100(H) or 110					X
Group III. *Social/Behavioral Sciences* (3)						X
Civics (3)						X
MO Higher Ed Civics Exam	PSC001					X
Group IV. *Math/Science* (3)						X
Anatomy & Physiology for Pre-Hospital Healthcare (3)	BIO116				X	X
Group V. *Computer Literacy* (3)						X
Group VI. *First Year Experience* (1-3)					X	X
Student Signature/Date						
Advisor Signature/Date						

Total Credit Hours: **60-62**   **75-77**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications   3 hrs.
ENG101(H) English Comp. I **required**

Group II.   Humanities/Communications   3 hrs.
COM100(H) Fund. of Communication or COM 110 Public Speaking **required**

Group III.   Social/Behavioral Sciences   6 hrs.
3 hours must fulfill Civics requirement
See MOTR CORE 42 list for choices

Group IV.   Math and/or Science   6 hrs.
BIO116 (3) **required**
MGT103*; MTH105*,110*,128*, or MOTR CORE
See MOTR CORE 42 list for additional choices

Group V.   Computer Literacy 3 hrs.
CIS125*; EDU205*

Group VI.   First Year Experience 1-3 hrs.
COL100*/101*/136* **required**

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.

Revised March 2020

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
HEALTH INFORMATION TECHNOLOGY DEGREE PLAN

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Intro to Health Information Technology (3)	HIT100				X	X
Medical Terminology (3)	HIT122				X	X
Healthcare Statistics (3)	HIT115					X
Healthcare Legal & Ethical Issues (3)	HIT130				X	X
Introduction to Pharmacology (3)	HIT150					X
Basic Principles of Disease (3)	HIT155					X
Classification Systems I (3)	HIT200					X
Healthcare Quality & Performance Improvement (3)	HIT205					X
Electronic Health Systems (3)	HIT220				X	X
Classification Systems II (3)	HIT230					X
Healthcare Billing & Reimbursement (3)	HIT250					X
Healthcare Management & Supervision (3)	HIT255					X
HIT Professional Practice (2)	HIT260					X
HIT Capstone (1)	HIT261					X
Group I. *Communications* (3)	ENG101(H)					X
Group II. *Humanities/Communications* (3)	COM100(H) or 110					X
Group III. General Psychology (3)	PSY101(H)					X
Civics (3)	HST103(H), HST 104(H) or PSC102(H)					X
MO Higher Ed Civics Exam	PSC001					X
Group IV. A & P for Pre-hospital Healthcare (3)	BIO116					X
Mathematics (3)	MTH128* or MTH132 or higher					X
Group V. Computer Concepts and Applications (3)	CIS125				X	X
Group VI. *First Year Experience* (1-3)	COL100/101/136				X	X
Student Signature/Date						
Advisor Signature/Date						

Total Credit Hours: **16-18   61-63**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.
   ENG101(H) English Comp. I **required**

Group II.   Humanities/Communications 3 hrs.
   COM100(H) or COM110 **required**

Group III. Social/Behavioral Sciences 6 hrs.
   Social/Behavioral Sciences: (3) PSY101(H) **required**
   3 hours must fulfill Civics requirement
   See MOTR CORE 42 list for choices

Group IV.   Math and/or Science 7 hrs.
   BIO116 **required**
    MTH128* or MTH132 or higher

Group V.   Computer Literacy 3 hrs.
   CIS125* **required**

Group VI.   First Year Experience 1-3 hrs.
   COL100*/101*/136* **required**

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR
CORE 42 general education program, and are not guaranteed to transfer to other institutions.

Revised March 2020

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
Degree Plan
HEATING, REFRIGERATION, AND AIR CONDITIONING TECHNOLOGY

Effective 2020-2021.

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	INSTALLER CERTIFICATE	TECHNICIAN CERTIFICATE	DEGREE
Electricity for HVAC (5)	HRA101				X	X	X
Principles of Refrigeration (5)	HRA105				X	X	X
Refrigeration and A/C Mechanical Systems (5)	HRA125				X	X	X
Intro to International Mechanical Code (3)	HRA135					X	X
Piping Design, Sizing, & Installation for HRA (2)	HRA145				X	X	X
Customer Relations and Record Keeping (2)	HRA150				X	X	X
Duct, Envelope Testing, and Leakage Detection (3)	HRA155					X	X
Sheet Metal Design, Sizing & Installation for HRA (3)	HRA160				X	X	X
Residential Gas Heating Systems (4)	HRA205					X	X
Electric and Hydronic Heat (2)	HRA210					X	X
Residential Air Conditioning Systems (3)	HRA216					X	X
Advanced Electricity for HVAC (3)	HRA230					X	X
Heat Pumps and Mini-Splits (3)	HRA240					X	X
Commercial Refrigeration Systems (5)	HRA249					X	X
Technical Internship (1-3) optional	INT191,192, or193						
Group I. Communications (3)	ENG101(H)						X
Group II. Humanities/Communications (3)							X
Group III. Social/Behavioral Sciences (3)							X
Civics (3)							X
MO Higher Ed Civics Exam	PSC001						X
Group IV. Math and/or Science (3)							X
Industrial Math (3)	MTH105*					X	X
Group V. Computer Literacy (3)							X
Group VI. First Year Experience (1-3)					X	X	X
Student Signature/Date							
Advisor Signature/Date							

Total Credit Hours: **23-25**   **52-54**   **70-72**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.
ENG101(H) English Comp. I **required**

Group II.   Humanities/Communications   3 hrs.
See MOTR CORE 42 list for choices
Cannot use Performance classes

Group III.   Social/Behavioral Sciences   6 hrs.
3 hours must fulfill Civics requirement
See MOTR CORE 42 list for choices

Group IV. Math and/or Science   6 hrs.
MTH105 Industrial Math* **required**
MGT103*;MTH110*,128*;
See MOTR CORE 42 list for additional choices

Group V.   Computer Literacy 3 hrs.
CIS125*; EDU205*

Group VI. First Year Experience   1-3 hrs.
COL100*, COL101*, or COL136* **required**

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Revised March 2020

ASSOCIATE OF APPLIED SCIENCE
Degree Plan
LAW ENFORCEMENT ACADEMY

Effective 2020-2020

	COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	LEA Cert.	LEA AAS
Criminal Justice Core (33 hrs.)	Introduction to Law Enforcement (3)	LEA110				X	X
	Criminal Law for Law Enforcement (3)	LEA112				X	X
	Rules of Criminal Evidence for Law Enforcement (3)	LEA114				X	X
	Juvenile Justice for Law Enforcement (3)	LEA120				X	X
	Ethics & Professionalism for Law Enforcement (3)	LEA147				X	X
	Report Writing for Law Enforcement (3)	LEA155				X	X
	Patrol Operations and Tactics (3)	LEA215				X	X
	Law Enforcement Internship (3)	LEA220					X
	Criminal Investigation for Law Enforcement (3)	LEA222				X	X
	Law Enforcement Organizational Leadership (3)	LEA224				X	X
	Adv. Criminal Investigation for Law Enforcement (3)	LEA242				X	X
General Education & Institutional Reqr. (25-27 hrs.)	Group I. *Communications* (3)	ENG101(H)					X
	Group II. *Humanities/Communications* (3)						X
	Group III. *Social/Behavioral Sciences* (6)	SOC101(H) & SOC250					X
	Civics (3)						X
	MO Higher Ed Civics Exam	PSC001					X
	Group IV. *Math and/or Science* (6)						X
	Group V. *Computer Literacy (3)* met by exam or coursework						X
	Group VI. *First Year Experience* (1-3)						X
HPE & LEA Electives (7 hrs.)	Physical Fitness I (1)	HPE101				X	X
	Physical Fitness II (1)	HPE201				X	X
	Firearms for Law Enforcement I (1)	LEA111				X	X
	Firearms for Law Enforcement II (1)	LEA211				X	X
	First Responder First Aid for Law Enforcement (3)	LEA135				X	X
Student Signature/Date							
Advisor Signature/Date							

Total Credit Hours: 37   65

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.
ENG101(H) English Comp. I **required**

Group II.   Humanities/Communications 3 hrs.
Suggest: COM100(H) Fund. of Communication
See MOTR CORE 42 list for choices
Cannot use Performance classes

Group III.   Social/Behavioral Sciences 9 hrs.
SOC101(H) General Sociology (3) **required**
SOC250 Social Problems (3) **required**
3 hours must fulfill Civics requirement
See MOTR CORE 42 list for choices
Suggest: PSC102(H) U.S. & Missouri Govt & Const.

Group IV.   Math and/or Science   6 hrs.
 Suggest: MGT103* and PHY 102
  MGT103*;MTH105*,110*,128*;
  See MOTR CORE 42 list for additional choices

Group V.   Computer Literacy   3 hrs.
 CIS125*;EDU 205
  Suggest: CIS125 Comp. Concepts & Apps* (3)

Group VI.   First Year Experience 1-3 hrs.
  COL100*, COL101*, or COL136* required

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.   Revised March 2020

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
Bi-Level Nursing Program Degree Plan

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED
Licensure as a Licensed Practical Nurse (LPN) (18)				
Introduction to Bridging (RN Bridge students only) (1)	RNR138			
Nursing Transitions & Trends (3)	RNR210			
Pediatric/High Risk Obstetrical Nursing/Clinical (4)	RNR220			
Psychiatric Nursing/Clinical (4)	RNR225			
Adult Health Nursing I (6)	RNR230			
Adult Health Nursing II (6)	RNR250			
Capstone Professional Nursing (4) or	RNR260 or			
Capstone Professional Nursing Global Studies (4)	RNR262			
Microbiology for Health Sciences (4)	BIO113			
Group I. English Composition I (3)	ENG101			
Group II. English Composition I (3) or	ENG102 or			
Fundamentals of Communications (3)	COM100			
Group III. *Civics (3)*				
MO Higher Ed Civ Exam	PSC001			
General Psychology (3)	PSY101			
Life Span Human Development (3)	PSY205			
Group IV. Anatomy and Physiology I (4)	BIO211			
Anatomy and Physiology II (4)	BIO212*			
Group V. Computer Concepts and Applications (3)	CIS125*			
Group VI. *First Year Experience (1-3)*				
Student Signature/Date				
Advisor Signature/Date				

Total Credit Hours: **75-76**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I. Communications 3 hrs.
   ENG101(H) English Comp. I **required**

Group II. Humanities/Communications 3 hrs.
   ENG102(H) or COM100 **required**

Group III. Social/Behavioral Sciences 9 hrs.
   PSY 101 required with a C or better prior to admittance
   PSY 205 required with a C or better prior to admittance
   3 hours must fulfill Civics requirement
   See MOTR CORE 42 list for choices

Group IV. Math and/or Science 8 hrs.
   BIO 211 and BIO 212* required with
   a C or better prior within five
   years prior to admittance

Group V. Computer Literacy 3 hrs.
   CIS125* **required**

Group VI. First Year Experience 1-3 hrs.
   COL100*/101*/136* **required**

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.

Revised March 2020

JEFFERSON COLLEGE
BI-LEVEL NURSING PROGRAM
Certificate: Practical Nursing

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	COMPLETED	ENROLLED	NEED
Fundamentals of Nursing (6)	PNE141			
Fundamentals of Nursing Clinical (1)	PNE142			
Intro to Nursing Pharmacology (3)	PNE144			
Personal Vocational Concepts (1.5)	PNE145			
Mental Health (2)	PNE148			
Pharmacology I (3)	PNE163			
Pharmacology II (3)	PNE164			
Medical Surgical Nursing I (5)	PNE171			
Medical Surgical Nursing II (5)	PNE172			
Maternal-Child Nursing (5)	PNE174			
Medical Surgical Nursing I Clinical (2)	PNE181			
Medical Surgical Nursing II Clinical (2)	PNE182			
Capstone Practical Nursing (3)	PNE195			
Group IV. Anatomy & Physiology I (4)	BIO211			
Anatomy & Physiology II (4)	BIO212*			
Group III. General Psychology (3)	PSY101			
LifeSpan Human Developent	PSY205			
Group VI. *First Year Experience* (1-3)	COL100*/101*/136*			
Student Signature/Date				
Advisor Signature/Date				

Total Credit Hours: Certificate Only   **56.5 - 58.5**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group III. Social/Behavioral Sciences 6 hrs.
 PSY 101 required with a C or better prior to admittance
 PSY 205 required with a C or better

Group VI. First Year Experience 1-3 hrs.
 COL100*/101*/136* **required**

Group IV. Math and/or Science 8 hrs.
 BIO 211 and required with a C or better prior to admittance
 BIO 212* required with a C or better

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
OCCUPATIONAL THERAPY ASSISTANT DEGREE PLAN
Minimum 2.50 Cumulative Grade Point Average for Degree

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	COMPLETED	ENROLLED	NEED
Foundations of Occupational Therapy (3)	OTA100			
Health Conditions (2)	OTA105			
Physical Dysfunction in Occupational Therapy (3)	OTA110			
Physical Dysfunction Performance Skills (2)	OTA111			
Professional Practice and Management I (1)	OTA120			
Biomechanical Basis of Performance (4)	OTA125			
Psychosocial Occupational Therapy (3)	OTA130			
Psychosocial Performance Skills (2)	OTA131			
Professional Practice and Management II (1)	OTA140			
Applied Neurology (4)	OTA145			
Level I Fieldwork A (1)	OTA150			
Level I Fieldwork B (1)	OTA160			
Pediatric Occupational Therapy (3)	OTA210			
Pediatric Performance Skills (2)	OTA211			
Professional Practice and Management III (1)	OTA220			
Environments and Assistive Technology (4)	OTA232			
Level II Fieldwork A (6)	OTA250			
Level II Fieldwork B (6)	OTA260			
Fieldwork Seminar (1)	OTA270			
Group I. English Composition I (3)	ENG 101(H)			
Group II. Fund. of Communication(3)	COM100(H)			
Group III. *Civics (3)*				
MO Higher Ed Civics Exam	PSC001			
General Psychology (3)	PSY101(H)			
Human Development (3)	PSY205			
Group IV. Anatomy & Physiology I (4)	BIO211			
Anatomy & Physiology II (4)	BIO212*			
Group V. *Computer Literacy* (3)				
Group VI. *First Year Experience* (1-3)	COL100*/101*/136*			
Student Signature/Date				
Advisor Signature/Date				

Total Credit Hours: **77-79**

CORE GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.
  ENG101(H) required with a C or
   better prior to admission

Group II.   Humanities/Communications 3 hrs.
  COM100(H) required

Group III.   Social/Behavioral Sciences 9 hrs.
  Soc Science: (6) PSY101(H) and PSY205 required
   3 hours must fulfill Civics requirement
    See MOTR CORE 42 list for choices

Group IV.   Math and/or Science 8 hrs.
  BIO211 and BIO 212* required with a C or better prior
   to admission

Group V.   Computer Literacy 3 hrs.
   CIS125*; EDU205*

Group VI.   First Year Experience 1-3 hrs.
   COL100*/101*/136* required

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program and are not guaranteed to transfer to other institutions.   Revised March 2020

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
PHYSICAL THERAPIST ASSISTANT Degree Plan

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	COMPLETED	ENROLLED	NEED
Introduction to Physical Therapy (2)	PTA110			
Kinesiology (2)	PTA112			
Tests and Measures (2)	PTA114			
Principles of Therapeutic Exercise (2)	PTA116			
PTA Principles & Procedures I (3)	PTA120			
Professional Conduct & Communication (2)	PTA130			
Neuromotor Development (2)	PTA140			
Clinical Experience I (2)	PTA150			
Physical Agents (3)	PTA210			
PTA Principles & Procedures II (3)	PTA220			
PTA Principles & Procedures III (3)	PTA240			
Pathological Implications in Rehabilitation (2)	PTA245			
Clinical Experience II (2)	PTA250			
PTA Principles & Procedures IV (3)	PTA260			
PTA Seminar (2)	PTA270			
Clinical Experience III (4)	PTA280			
Clinical Experience IV (4)	PTA285			
Anatomy & Physiology II (4)	BIO212 or PTA105			
Pathophysiology (3)	BIO245			
Group I. English Composition I or II (3)	ENG 101(H) or 102(H)			
Group II. Fund. of Communication (3)	COM100(H)			
Group III. General Psychology (3)	PSY101(H)			
Human Development (3)	PSY205			
Civics (3)				
MO Higher Ed Civics Exam	PSC001			
Group IV. Anatomy & Physiology I (4)	BIO211 or PTA100*			
Mathematics (3)	MTH110*/121*/or higher			
Group V. *Computer Literacy* (3)	met by exam or coursework			
Group VI. *First Year Experience* (1-3)	COL100*/101*/136*			
Student Signature/Date				
Advisor Signature/Date				

Total Credit Hours: **76-78**

CORE GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.
ENG101(H) or ENG102(H) required with a B or
better prior to admission

Group II.   Humanities/Communications 3 hrs.
COM100(H) required

Group III.   Social/Behavioral Sciences 9 hrs.
Soc Science: (6) PSY101(H) and PSY205 required
3 hours must fulfill Civics requirement
See MOTR CORE 42 list for choices

Group IV.   Math and/or Science 7-8 hrs.
BIO211 or PTA100* required with a B or better prior
to admission
MTH 110* or MTH 121* or higher required

Group V.   Computer Literacy 3 hrs.
CIS125*; EDU205*

Group VI.   First Year Experience 1-3 hrs.
COL100*/101*/136* required

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JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
RADIOLOGIC TECHNOLOGY
Minimum 2.50 Cumulative Grade Point Average for Degree

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Radiation Protection (2)	RAD101				X	X
Introduction to Radiography (1)	RAD105				X	X
Image Evaluation (2)	RAD111				X	X
Radiographic Positioning I (3)	RAD115				X	X
Radiographic Positioning II (3)	RAD125				X	X
Patient Care Management (2)	RAD130				X	X
Radiographic Positioning III (3)	RAD135				X	X
Radiographic Exposures (3)	RAD140				X	X
Radiographic Positioning IV (3)	RAD145				X	X
Cross-Sectional Anatomy (3)	RAD150				X	X
Radiographic Biology (3)	RAD155				X	X
Radiographic Physics (3)	RAD160				X	X
Radiographic Pharmacology (3)	RAD165				X	X
Radiographic Pathology (3)	RAD170				X	X
Image Intensification & QA/QC (3)	RAD176				X	X
Introduction to Advanced Imaging Modalities (1)	RAD182				X	X
Radiographic Curriculum Review and Prof. Dev. (3)	RAD185				X	X
Clinical Practicum I (3)	RAD200				X	X
Clinical Practicum II (2)	RAD210				X	X
Clinical Practicum III (2)	RAD220				X	X
Clinical Practicum IV(4.5)	RAD230				X	X
Clinical Practicum V (4.5)	RAD240				X	X
Radiologic Technology Independent Study (0-3)	*(Optional)*				*(Optional)*	*(Optional)*
Anatomy and Physiology II (4)	BIO 212 *				X	X
Group 1. *Communications (3)*	ENG101				X	X
Group II. *Humanities/Communications (3)*	PHL203 *					X
Group III. *Social/Behavioral Sciences (3)*	PSY101 or SOC101					X
Civics (3)						X
MO Higher Ed Civics Exam	PSC001					X
Group IV. *Math and/or Science* (3)	MTH128 *				X	X
Anatomy and Physiology I (4)	BIO211				X	X
Group V. *Computer Literacy* (3)	CIS125 *				X	X
Group VI. *First Year Experience (0-3)*					X	X
Student Signature/Date						
Advisor Signature/Date						

Total Credit Hours: 77-83   86-92

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group 1. Communications 3 hrs.
     ENG101 (H) English Comp. I required with "C" or better

Group II. Humanities/Communication 3 hrs.
     PHL203* Medical Ethics required with a "C" or better

Group III. Social/Behavioral Sciences 6 hrs.
     PSY101 or SOC101 required with a "C" or better
     3 hours must fulfill Civics requirement
     See MOTR CORE 42 list for choices

Group IV. Math and/or Science 7 hrs.
     MTH128* Intermediate Algebra with "C" or better
     BIO211 Anatomy and Physiology I with "B" or better

Group V. Computer Literacy 3 hrs.
     CIS125* Comp Concepts and Aps with "C" or better

Group VI. First Year Experience 0-3 hrs.
     COL100*, COL101*, or COL136* with "C" or better

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.   Updated September 2019

Last Name   First Name

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
VETERINARY TECHNOLOGY DEGREE PLAN

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED
Microbiology for the Health Sciences (4)	BIO113			
Introduction to Veterinary Technology (2)	VAT101			
Applied Pharmacology (3)	VAT106			
Principles of Clinical Medicine I (4)	VAT113			
Principles of Clinical Medicine II (4)	VAT114			
Veterinary Technology Internship (6)	VAT199			
Veterinary Hospital Technology I (5)	VAT250			
Applied Radiology (2)	VAT252			
Veterinary Hospital Technology II (5)	VAT256			
Clinical Pathological Techniques (5)	VAT258			
Laboratory Animal Technology (3)	VAT264			
Large Animal Technology I (3)	VAT266			
Large Animal Technology II (3)	VAT267			
Veterinary Technology Capstone (1)	VAT270			
Group I. *Communications* (3)	ENG101(H)			
Group II. *Humanities/Communications* (3)				
Group III. *Social/Behavioral Sciences* (3)				
Civics (3)				
MO Higher Ed Civics Exam	PSC001			
Group IV: *Math/Natural Sciences*	BIO207*			
	BIO208*			
Group V. *Computer Literacy* (3)	CIS125*			
Group VI. *First Year Experience* (1-3)				
Student Signature/Date				
Advisor Signature/Date				

Total Credit Hours: **74-77**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   **Communications   3 hrs.**
    ENG101(H) English Comp. I **required**

Group II.   **Humanities/Communications   3 hrs.**
    See MOTR CORE 42 list for choices
    Cannot use Performance classes

Group III.   **Social/Behavioral Sciences   6 hrs.**
    3 hours must fulfill Civics requirement
    See MOTR CORE 42 list for choices

Group IV.   **Math and/or Science 8 hrs.**
    BIO207* & BIO208* (8)

Group V.   **Computer Literacy   3 hrs.**
    CIS125* **required**

Group VI.   **First Year Experience 1-3 hrs.**
    COL100*, COL101*, or COL136* **required**

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Revised March 2020

Last Name   First Name

JEFFERSON COLLEGE
ASSOCIATE OF APPLIED SCIENCE
WELDING TECHNOLOGY DEGREE PLAN

Effective 2020-2021

COURSE TITLES	COURSE NUMBERS	DONE	NOW	NEED	CERT	DEGREE
Industrial Blueprint Reading (3)	MTT108				X	X
Dimensional Metrology (3)	MTT116				X	X
Introduction to Metallurgy (3)	MTT148				X	X
Gas & Beginning Arc Welding (5)	WLD141				X	X
Advanced Arc Welding (5)	WLD142				X	X
Gas Metal Arc Welding (MIG) (5)	WLD243				X	X
Gas Tungsten Arc Welding (TIG) (5)	WLD244				X	X
Intro to Business (3)	BUS101					X
Advanced Welding Techniques I (5)	WLD245					X
Advanced Welding Techniques II (5)	WLD246					X
Technical Internship (1-3) optional	INT191,192, or193					
Group I. *Communications* (3)	ENG101(H)					X
Group II. *Humanities/Communications* (3)						X
Group III. *Social/Behavioral Sciences* (3)						X
Civics (3)						X
MO Higher Ed Civics Exam	PSC001					X
Group IV. *Math and/or Science* (3)						X
Industrial Math (3)	MTH105*				X	X
Group V. *Computer Literacy* (3)						X
Group VI. *First Year Experience* (1-3)					X	X
Student Signature/Date						
Advisor Signature/Date						

Total Credit Hours   **33 - 35   64 - 66**

GENERAL EDUCATION & INSTITUTIONAL REQUIREMENTS

Group I.   Communications 3 hrs.

  ENG101(H) English Comp. I **required**

Group II.   Humanities/Communications 3 hrs.

  See MOTR CORE 42 list for choices

  Cannot use Performance classes

Group III.   Social/Behavioral Sciences 6 hrs.

  3 hours must fulfill Civics requirement

  See MOTR CORE 42 list for choices

Group IV. Math and/or Science 6 hrs.

  MTH105 Industrial Math* (3) required

  MGT103*;MTH110*,128*; or MOTR CORE

  See MOTR CORE 42 list for additional choices

Group V. Computer Literacy 3hrs.

  CIS125*; EDU 205* **select one**

Group VI. First Year Experience 1-3 hrs.

  COL100*, COL101* or COL136* **required**

*These courses listed in the General Education and Institutional Requirements are not part of the MOTR CORE 42 general education program, and are not guaranteed to transfer to other institutions.

Revised March 2020