Programs

- Additions, Changes and Deletions
  - Associate of Arts in Teaching
  - Associate of Science in Engineering
  - AAS in Diagnostic Medical Sonography
  - Professional Certificate in Medical Assistant
  - AAS in Medical Assistant
  - Nursing / AAS in Nursing
  - AAS in Radiologic Technology

Additions

Changes
The Associate of Arts in Teaching (AAT) degree prepares students with a foundation in educational principles, theory and practice, and exposes them to complex problems and relationships in the field of education. Teachers play an essential role in fostering the intellectual and social development of children in their formative years. Using a variety of active learning approaches, teachers help children understand abstract principles, solve problems, and develop critical thought processes. Whether desiring to teach preschool or elementary school, teachers provide the tools and the environment for their students to develop into responsible citizens. Any Missouri community college student who has earned an AAT degree is guaranteed consistent treatment by the majority of four-year transfer institutions. Completing the AAT is the first step to achieving a Bachelor of Arts or a Bachelor of Science in an Elementary Education degree.

Bachelor’s degree institutions with teacher education programs have different requirements. It is essential to work with an advisor to select the correct courses (categories indicated with ** in the Program Requirements) needed for the transfer institution of choice.

The Missouri Department of Elementary and Secondary Education - Office of Educator Quality is working with representative stakeholder groups to redesign the standards for educator preparation including certification requirements. These changes and implementation schedule will be communicated to students through individual advising sessions, meetings, and/or other college communications. If there are any questions and/or concerns, please contact the Director of Educator Preparation in the Office of Educator Quality.

**Associate of Arts in Teaching**

The Associate of Arts in Teaching (AAT) degree prepares students with a foundation in educational principles, theory and practice, and exposes them to complex problems and relationships in the field of education. Teachers play an essential role in fostering the intellectual and social development of children in their formative years. Using a variety of active learning approaches, teachers help children understand abstract principles, solve problems, and develop critical thought processes. Whether desiring to teach preschool or elementary school, teachers provide the tools and the environment for their students to develop into responsible citizens. Any Missouri community college student who has earned an AAT degree is guaranteed consistent treatment by the majority of four-year transfer institutions. Completing the AAT is the first step to achieving a Bachelor of Arts or a Bachelor of Science in an Elementary Education degree.

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**Other AAT Requirements**

A background check is required prior to beginning the program.

A cumulative content area GPA of 3.0 or higher is required for EDUC 110, EDUC 180, EDUC 205, EDUC 209, EDUC 212, EDUC 218, EDUC 220, EDUC 228, EDUC 230, EDUC 240 and EDUC 250 taken at SFCC or transferred in as equivalent.

Minimum cumulative GPA of 2.75 and institutional GPA of 2.0 to apply for graduation.

Successful completion of the MoGEA (180 or higher for Mathematics; 183 or higher for Reading Comprehension and Interpretation; 188 or higher for Science and Social Studies; 167 or higher for Writing). Beginning fall 2017, the state could require different scores for all areas on the MoGEA.

A student who meets all course requirements for the Associate of Arts in Teaching but does not have a 2.75 GPA, (but has at least a cumulative 2.0 GPA) and has not successfully completed the MoGEA may still apply to graduate with an Associate of Arts degree.

**Degree Requirements**

*Courses to complete with a grade of C or higher*

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EDUC 108</td>
<td>Introduction to the Field of Education</td>
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<tr>
<td>ENGL 101</td>
<td>English Composition I</td>
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<tr>
<td>Fine Arts**</td>
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<tr>
<td>COMM 101</td>
<td>Public Speaking</td>
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<tr>
<td>GEOG 101</td>
<td>World Geography</td>
<td>3</td>
</tr>
<tr>
<td>POLS 101</td>
<td>American/National Government</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 102</td>
<td>English Composition II</td>
<td>3</td>
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</table>

Note: Some programs require essential qualifications to be admitted and retained. Visit [www.sfccmo.edu/essential-qualifications](http://www.sfccmo.edu/essential-qualifications) to view these requirements. Not all courses are offered every semester. Check with your advisor or the program coordinator. Refer to the course descriptions for prerequisites.
### Associate of Arts in Teaching (continued)

<table>
<thead>
<tr>
<th>Mathematics*****</th>
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<tbody>
<tr>
<td>EDUC 205*</td>
<td>3</td>
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<tr>
<td>HIST 101</td>
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<td>HIST 102</td>
<td>U.S. History Since 1877</td>
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<tr>
<td>PSY 102</td>
<td>Child Psychology</td>
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<tr>
<td>Wellness******</td>
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<tr>
<td>EDUC 209*</td>
<td>Foundations of Education</td>
</tr>
<tr>
<td>EASC 101</td>
<td>Introduction to Earth Sciences with Lab (or)</td>
</tr>
<tr>
<td>EASC 106</td>
<td>Physical Geology with Lab (or)</td>
</tr>
<tr>
<td>PHYS 105</td>
<td>College Physics I with Lab</td>
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<tr>
<td>EDUC 212*</td>
<td>Technology for Teachers</td>
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<tr>
<td>Literature*****</td>
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<tr>
<td>Humanities***</td>
<td>3</td>
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<tr>
<td>BIO 112</td>
<td>Introduction to Biology with Lab (or)</td>
</tr>
<tr>
<td>BIO 125</td>
<td>Biology I with Lab</td>
</tr>
<tr>
<td>EDUC 220*</td>
<td>Educational Psychology</td>
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<tr>
<td>Suggested Electives******</td>
<td>9</td>
</tr>
</tbody>
</table>

**Fine Arts** - Select 3 hours from ART 101, ART 120, MUS 101, MUS 103, MUS 104, SPTH 107, (or) SPTH 125

**Humanities*** - Select 3 hours from AGRI 106, FREN 101, PHIL 101, PHIL 102, PHIL 104, SOC 120, (or) SPAN 101

**Literature**** - Select 3 hours from LIT 101, LIT 107, LIT 109, LIT 112, (or) LIT 114

**Mathematics***** - Select 3 hours from MATH 114, MATH 116, MATH 117, MATH 120, MATH 122, MATH 125, MATH 127, (or) MATH 130

**Suggested Electives****** - Select 9 hours from ATSM 105, ATSM 110, ATSM 115, ATSM 120, ECON 101, EDUC 218*, EDUC 230*, EDUC 240, FREN 101, (or) SPAN 101

**Wellness****** - Select 1 hour from EDUC 110*, HLTH 101, WELL 116, WELL 117, WELL 118, WELL 119, WELL 121, (or) WELL 122

**Degree Total 65.5**
Associate of Science in Engineering

The Associate of Science (AS) in Engineering is designed for students who want to earn a bachelor's degree in any engineering field at a four-year institution. This program provides students with the first two years of study toward a Bachelor of Science degree at the Missouri University of Science and Technology (MS&T) in Rolla, Missouri. Students take basic courses common to most engineering disciplines and continue their studies in specialized areas (electrical, mechanical, civil, chemical, etc.) during their remaining years at MS&T. The curriculum responds to the Model Program for Engineering Transfers developed in cooperation with MS&T and the Coordinating Board for Higher Education (CBHE). Engineering programs at other institutions differ slightly so it is strongly suggested that a student electing to receive an AS degree work very closely with an advisor from both State Fair Community College and the receiving institution to individually plan the four-semester degree plan.

Degree Requirements

*Check the specific major for which course would be best*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>ENGL 101</td>
<td>English Composition I</td>
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<td>ENGL 102*</td>
<td>English Composition II (or)</td>
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</tr>
<tr>
<td>COMM 101*</td>
<td>Public Speaking</td>
<td>3</td>
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<tr>
<td>MATH 130</td>
<td>Calculus and Analytic Geometry I</td>
<td>5</td>
</tr>
<tr>
<td>MATH 131</td>
<td>Calculus and Analytic Geometry II</td>
<td>5</td>
</tr>
<tr>
<td>MATH 132</td>
<td>Calculus and Analytic Geometry III</td>
<td>5</td>
</tr>
<tr>
<td>ECON 101</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
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<tr>
<td>HIST 101</td>
<td>U.S. History Before 1877 (or)</td>
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<tr>
<td>HIST 102</td>
<td>U.S. History Since 1877 (or)</td>
<td></td>
</tr>
<tr>
<td>POLS 101</td>
<td>American/National Government</td>
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**Behavioral Sciences, Fine Arts, Humanities, Literature, or Social Sciences**

6

**Electives***

16

**Wellness****

1

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>PHYS 118</td>
<td>General Physics I with Lab</td>
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<tr>
<td>PHYS 119</td>
<td>General Physics II with Lab</td>
<td>5</td>
</tr>
<tr>
<td>CHEM 123</td>
<td>General Chemistry I with Lab</td>
<td>5</td>
</tr>
</tbody>
</table>

Degree Total 65

**Behavioral Sciences, Fine Arts, Humanities, Literature, or Social Sciences** - Select 6 hours from AGRI 106, ART 101, ART 120, BADM 101, BADM 107, ECON 102, FREN 101, GEOG 101, HIST 108, HIST 109, LIT 101, LIT 107, LIT 109, LIT 112, LIT 114, MUS 101, MUS 103, MUS 104, PHIL 101, PHIL 102, PHIL 104, POLS 103, PSY 101, PSY 102, PSY 104, SOC 100, SOC 102, SOC 120, SPAN 101, THEA 107, (or) THEA 125

**Electives*** - Select 16 hours from BIO 112, EDT 111, EDT 115, EDT 130, CAPP 125, CHEM 124, CHEM 221, CIS 155, CIS 157, MATH 114, MATH 120, MATH 134, (or) PHYS 203. You must check the individual degree requirements at your transfer institution to determine which classes are best for your area.

**Wellness**** - Select 1 hour from EDUC 110, HLTH 101, WELL 116, WELL 117, WELL 118, WELL 119, WELL 121, (or) WELL 122

Note: Some programs require essential qualifications to be admitted and retained. Visit www.sfccmo.edu/essential-qualifications to view these requirements. Not all courses are offered every semester. Check with your advisor or the program coordinator. Refer to the course descriptions for prerequisites.
**AAS in Diagnostic Medical Sonography**

Sonographers are diagnostic medical professionals who operate ultrasonic imaging devices to produce diagnostic images, scans, videos, or 3D volumes of anatomy and diagnostic data. Sonography requires specialized education and skills to view, analyze and modify the scan to optimize the information in the image. Because of the high levels of decisional latitude and diagnostic input, sonographers have a high degree of responsibility in the diagnostic process.

**About the Program**
Through classroom theory, laboratory practice and clinical application students learn to safely use ultrasound in the diagnosis of trauma and disease. Students are introduced to the vast opportunities in diagnostic medical sonography and achieve entry-level competency in the performance and evaluation of ultrasound examinations and procedures. This is an intense 22-month course of study.

**Admission Process**
Students in the program are admitted to the college on the same basis as other students, but admission to the college does not ensure admission into the program.

Enrollment in the program is selective and admission cannot be offered to all qualified applicants. A selection committee comprised of the program director, clinical coordinator, members of the advisory committee and possibly other college personnel will evaluate students for the class.

Only students meeting the minimum requirements and who have submitted a completed application packet prior to the application deadline will be presented to the Admissions Committee. Applicants will receive a letter regarding admissions status following committee review. Decisions of the Admissions Committee are final.

Students are eligible to submit the program application packet when all prerequisite courses are complete or will be complete by the end of the spring semester of the year in which they are applying, meet the Essential Qualifications for the Diagnostic Medical Sonography program, and have a cumulative GPA of 2.75 or greater on a 4.0 scale and a 3.0 GPA (B) in each individual course (GPA is checked at the end of the spring semester of the school year in which the student is applying).
AAS in Diagnostic Medical Sonography (continued)

**Degree Prerequisite Requirements**

- DMS 100 Diagnostic Medical Sonography Prep Workshop .5
- BIO 207 Human Anatomy with Lab 4
- BIO 208 Human Physiology with Lab 4
- ENGL 101 English Composition I (or) ENGL 102 English Composition II 3
- HEOC 120 Medical Terminology I 3
- HIST 101 U.S. History Before 1877 (or) HIST 102 U.S. History Since 1877 (or)
- POLS 101 American/National Government 3
- PHYS 105 College Physics I with Lab (or)
- PHYS 125 Technical Science (or)
- RAD 130 Radiation Production and Characteristics 3-5
- PSY 101 General Psychology (or)
- SOC 100 General Sociology 3
- Mathematics* 3
- Mathematics* - Select 3 hours from MATH 114*, MATH 116*, MATH 117*, MATH 120*, MATH 122*, (or) MATH 125*

**Degree Requirements**

- Courses to complete with a grade of B or higher
- Courses to complete with a grade of C or higher
- DMS 102* Patient Care and Healthcare Communication 2
- DMS 110’ Scanning Techniques Lab I 3
- Diagnostic Medical Sonography General Track* or Cardiac Sonography Track* 12
- DMS 150’ Vascular Sonography I 2
- DMS 160’ Ultrasound Clinical Education I 3-5
- DMS 122** Sonography Principles and Instrumentation II 3
- DMS 112* Scanning Techniques Lab II 2
- DMS 152* Vascular Sonography 2
- DMS 162* Ultrasound Clinical Education II 7
- DMS 164* Ultrasound Clinical Education III 4-5
- DMS 154’ Vascular Sonography III 2
- DMS 166’ Ultrasound Clinical Education IV 7
- DMS 168’ Ultrasound Clinical Education V 7
- HEOC 135’ Allied Health Career Development .5
- DMS 106’ Medical Law and Ethics 1

**Degree Total 88**

Diagnostic Medical Sonography General Track
- DMS 130’ General Sonography I 2
- DMS 140’ OB/GYN Sonography I 2
- DMS 132’ General Sonography II 2
- DMS 142’ OB/GYN Sonography II 2
- DMS 134’ General Sonography III 2
- DMS 144’ OB/GYN Sonography III 2

Cardiac Sonography Track
- DMS 170’ Cardiac Sonography I 4
- DMS 172’ Cardiac Sonography II 4
- DMS 174’ Cardiac Sonography III 4

Note: Some programs require essential qualifications to be admitted and retained. Visit [www.sfccmo.edu/essential-qualifications](http://www.sfccmo.edu/essential-qualifications) to view these requirements. Not all courses are offered every semester. Check with your advisor or the program coordinator. Refer to the course descriptions for prerequisites.
Medical assistants are multi-skilled allied health professionals specifically trained to work in settings such as physician offices, clinics and urgent care facilities performing administrative duties and clinical procedures. Medical assistants require specialized education to assist other health care providers in health interventions. Medical assistant skills utilized in a clinic setting include scheduling appointments, greeting patients, administering medications, preparing instruments for minor surgery, assisting with health exams, assisting with health insurance requirements, and drawing blood for lab tests.

About the Program
The certificate program is an online program with some of the lab and clinical time completed on-ground. Students must complete a minimum of 160 clinical hours as part of the capstone course. The program provides theory, laboratory practice, and clinical application to meet student learning outcomes. Students are introduced to diverse opportunities in medical assisting to achieve entry-level performance as a medical assistant. Completion of a medical assistant certification exam will occur during the capstone course. Certification as a medical assistant is preferred, and in many cases mandatory, in the employment setting.

Admission Process
Students in the program are admitted to the college on the same basis as other students, but admission to the college does not ensure admission into the program. Enrollment in the program is selective and admission cannot be offered to all qualified applicants. Students must have completed a high school diploma or the equivalent. Students should be able to demonstrate proficiency in English, mathematics and reading based on the college assessment. Students must have basic keyboarding skills. Students must have a minimum of a 2.0 GPA prior to starting the Medical Assistant program.

Certificate Requirements
Courses to complete with a grade of B or higher
MEA 100 Medical Assisting General Orientation 5
BIO 103 Human Biology 3
HEOC 120 Medical Terminology I 3
HEOC 140 Technology in Health Care 3
MEA 112* Medical Assisting Clinical Procedures 3
MEA 104** Medical Assisting Psychology of Human Relations 3
MEA 108** Medical Assisting Administrative Procedures 3
COMM 101 Public Speaking 3
PHRM 109 Pharmacology for Pharmacy Technicians 3
NURS 102 CPR for Health Care Providers 5
MEA 116* Medical Assisting Laboratory Procedures 3
HEOC 135 Allied Health Career Development 5
MEA 190* Medical Assisting Capstone 6

Certificate Total 34.5

Note: Some programs require essential qualifications to be admitted and retained. Visit www.sfccmo.edu/essential-qualifications to view these requirements. Not all courses are offered every semester. Check with your advisor or the program coordinator. Refer to the course descriptions for prerequisites.
**AAS in Medical Assistant**

The student interested in an Associate of Applied Science in Medical Assistant will first complete the requirements for the Professional Certificate in Medical Assistant and pass the certification exam in Medical Assisting prior to completion of the rest of the Associate of Applied Science requirements.

**Degree Requirements**

*Courses to complete with a grade of B or higher*

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MEA 100</td>
<td>Medical Assisting General Orientation</td>
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<tr>
<td>BIO 103</td>
<td>Human Biology</td>
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<tr>
<td>HEOC 120</td>
<td>Medical Terminology I</td>
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<td>HEOC 140</td>
<td>Technology in Health Care</td>
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<td>MEA 112</td>
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<td>NURS 102</td>
<td>CPR for Health Care Providers</td>
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<tr>
<td>MEA 116*</td>
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<tr>
<td>HEOC 135</td>
<td>Allied Health Career Development</td>
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<td>MEA 190*</td>
<td>Medical Assisting Capstone</td>
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<td>HIST 101</td>
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<td>POLS 101</td>
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<tr>
<td>ENGL 101</td>
<td>English Composition I</td>
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</table>

**Mathematics** - Select 3 hours from MATH 110 (or) MATH 112

**Wellness** - Select 1 hour from EDUC 110, HLTH 101, WELL 116, WELL 117, WELL 118, WELL 119, WELL 121, (or) WELL 122

**Electives** - Select 9 hours from BSMT 119, CAPP 125, HEOC 122, (or) HIT 224

**Degree Total 62.5**
The Nursing program is a bi-level program that prepares the student to complete the requirements for the Professional Certificate in Practical Nursing after Year One (Level 1) and the requirements for the Associate of Applied Science in Nursing after Year Two (Level 2). This competency based bi-level curriculum allows students to transition from practical nursing to associate degree nursing in a seamless fashion. An advanced placement option is available for current licensed practical nurses into Year Two (Level 2). The program has full approval by the Missouri State Board of Nursing and is accredited by the Department of Elementary and Secondary Education.

Admission to the Nursing program at SFCC is competitive and requires an additional admission application. Nursing application packets contain admission criteria, essential abilities for admission, state licensure requirements, mission and philosophy statements, fee schedules, course sequences, and an application. Successful program applicants are subject to background checks and drug tests that could prevent an applicant’s progression in the program.

Year One
The program accepts first-year students each fall and spring semester. Application may be made upon completion of the Nursing program prerequisite courses or the first day of the semester that a student will complete the prerequisite courses. Students applying to the AAS in Nursing program must verify that they meet the essential abilities of Candidates for Admission and Continuance. An information application packet is available online. This packet contains the essential abilities and admission requirements, fee sheet, program mission and philosophy, sequencing of courses, application form and other pertinent information. Applicants are reviewed by the Nursing Admission Committee based upon the order submitted and admission criteria completed. The successful applicant must have a 2.75 GPA for all prerequisites as well as any program requirements completed by the time of review by the Nursing Admissions Committee and a 2.5 overall GPA. Any required science class must be passed with a grade of B or higher. Other prerequisite and required general education classes must be passed with a grade of C or higher. Applicants will be notified in writing regarding admission status following committee review.

Year Two
Year One students progress to Year Two based upon successful completion of the Year One program from the previous semester. Successful passing of NCLEX-PN is required for continuation in Year Two prior to the beginning of the second eight-week term of the first semester of Year Two. Advanced placement students for Year Two (current LPNs) are eligible for either fall or spring admission. Application may be made upon completion of the advanced placement prerequisite courses or the first day of the semester that a student will complete the prerequisite courses. An information application packet is available online. This packet contains the essential abilities and admission requirements, fee sheet, program mission and philosophy, sequencing of courses, application form and other pertinent information. Applicants are reviewed by the Nursing Admission Committee based upon the order submitted and admission criteria completed. The successful applicant must have a 2.75 GPA for all prerequisites as well as any program requirements completed by the time of review by the Nursing Admissions Committee and a 2.5 overall GPA. Any required science class must be passed with a grade of B or higher. Other prerequisite and required general education classes must be passed with a grade of C or higher. Applicants will be notified in writing regarding admission status following committee review.

Mission
The mission of the Associate Degree Nursing program is to prepare students to become registered professional nurses through a bi-level program in an educational environment that promotes evidence-based critical thinking, growth of the individual student, a holistic view of health care, and the use of technology and quality improvement principles to enhance patient care and documentation. The student is expected to be caring, conscientious, flexible, professional, and accountable for their actions. In addition, education is a lifelong learning process that results in behavioral change and is most effective as a shared responsibility.
Prerequisite Courses for Year One (Level 1)
The successful applicant must have a 2.75 GPA for all prerequisites and an overall 2.5 GPA.
Course to complete with a grade B or higher
BIO 207 Human Anatomy with Lab 4
Courses to complete with a grade of C or higher
ENGL 101 English Composition I (or) 3
ENGL 102 English Composition II 3
"Mathematics" 3
NURS 102 CPR for Health Care Providers (AHA) .5
"Mathematics" - Select 3 hours from MATH 110**, MATH 112**, MATH 114**, MATH 116**, MATH 117**, MATH 120**, MATH 122**, MATH 125**, (or) MATH 127**

Prerequisite Courses for Advanced Placement for Year Two (Level 2)
The successful applicant must have a 2.75 GPA for all prerequisites and an overall 2.5 GPA.
Course to complete with a grade B or higher
BIO 208 Human Physiology with Lab 4
Courses to complete with a grade of C or higher
ENGL 101 English Composition I (or) 3
ENGL 102 English Composition II 3
"Mathematics" 3
NURS 102 CPR for Health Care Providers (AHA) .5
PSY 101 General Psychology 3
"Mathematics" - Select 3 hours from MATH 110**, MATH 112**, MATH 114**, MATH 116**, MATH 117**, MATH 120**, MATH 122**, MATH 125**, (or) MATH 127**

AAS in Nursing

Courses required after acceptance as Advanced Placement into Year Two (Level 2)
Course to complete with a grade of B or higher
NURS 210 Nursing Transition Course 2
(required for advanced placement students only)

Certificate Requirements
All Year One (Level 1) course requirements must be completed with a grade of B or higher. Each eight-week session of nursing must be successfully completed to take the next eight-week courses.
Courses can be completed prior to the start of the program
BIO 208* Human Physiology with Lab 4
NURS 110 Personal Vocational Concepts 1
NURS 112 Introduction to Psycho-Social Health 2
NURS 114 Fundamentals I 2
NURS 117 Fundamentals II 3
NURS 118 Fundamentals II Clinical 1.5
NURS 119 Allied Health Pharmacology 3
NURS 122 Adult Health I 4
NURS 124 Adult Health II 4
NURS 126 Adult Health Nursing Clinical 3
NURS 132 Nutrition 3
NURS 134 Nursing Care for the Childbearing Family 2
NURS 136 Childbearing Family Clinical 1.5
NURS 140 Nursing Care for the Child Rearing Family 2
NURS 142 Child Rearing Family Clinical 1.5
NURS 128 Adult Health III 2
NURS 130 Adult Health Care Coordination Clinical 2
HEOC 135 Allied Health Career Development 5
PSY 101* General Psychology 3

Certificate Total 55.5

Note: Some programs require essential qualifications to be admitted and retained. Visit www.sfccmo.edu/essential-qualifications to view these requirements. Not all courses are offered every semester. Check with your advisor or the program coordinator. Refer to the course descriptions for prerequisites.
AAS in Nursing (continued)

Degree Requirements
All Year Two (Level 2) course requirements must be completed with grades of B or higher. Each eight-week session of nursing courses must be successfully completed to take the next eight-week courses.
Courses can be completed prior to the start of the program*
BIO 121* Microbiology for Allied Health with Lab 4
NURS 213 Introduction to Professional Nursing 2
NURS 227 Complex Health: Family 3
NURS 228 Complex Health: Family Clinical 1
NURS 230 Complex Health: Adult Clinical I 1
NURS 215 Complex Health: Mental Health 2.5
NURS 216 Complex Health: Mental Health Clinical 2
NURS 221 Complex Health: Nutrition/Metabolic 2.5
NURS 231 Complex Health: Adult Clinical II 1
NURS 233 Complex Health: Adult Clinical III 3
NURS 234 Complex Health: Activity and Rest 3
NURS 237 Complex Health: Cognitive/Perceptual 3
NURS 219 Complex Health: Elimination 3
NURS 243 Professional Nursing Capstone Clinical 2.5
HIST 101* U.S. History Before 1877 (or)
HIST 102* U.S. History Since 1877 (or)
POLS 101* American/National Government 3
COMM 101* Public Speaking 3

Degree Total 95

Prospective students should be aware that Section 335.066, RSMo of the Missouri Nursing Practice Act may prohibit persons from taking the state nursing licensure exams in cases of prior legal action. Before starting prerequisites or applying to the nursing program, consult with a nursing advisor or refer to the act online at http://www.moga.mo.gov/statutes/C300-99/3350000066.HTM.

For more information about our graduation rates, the median debt of students who completed this certificate, and other important information, please visit www.sfccmo.edu/nursing.
PROGRAM REQUIREMENTS | RADIOLOGIC TECHNOLOGY

AAS in Radiologic Technology

The Radiologic Technology program is dedicated to serving the rural communities of western Missouri through the preparation of highly competent, registry-eligible medical imaging professionals. The program provides a solid educational base and a thorough professional preparation that will allow the graduate to competitively enter the workforce, continue their education in advanced imaging technologies, and/or transfer into baccalaureate degree programs in imaging science. Radiologic technologists are educated in image production, radiation protection and image evaluation. Although an interdisciplinary team of radiologists, radiologic technologists and support staff plays a critical role in the delivery of health services, it is the radiologic technologist who performs the radiologic examination that creates the images needed for diagnosis. Admission to the program is selective and an informational packet with an application to the program is available online. Admission criteria can be found in the Radiologic Technology application online at www.sfccmo.edu/radiologic-technology.

**Program Prerequisite Requirements**

Courses to complete with a grade of B or higher by the end of the spring semester in which the student is applying:

- BIO 207 Human Anatomy with Lab 4
- BIO 208 Human Physiology with Lab 4
- **Mathematics** - Select 3 hours from MATH 110*, MATH 112*, MATH 114*, MATH 116, MATH 117*, MATH 120*, MATH 122*, MATH 125*, (or) MATH 127*
- **Courses to complete with a grade of C or higher by the end of the spring semester in which the student is applying**
  - ENGL 101 English Composition I (or) 3
  - ENGL 102 English Composition II 3
  - HEOC 120 Medical Terminology I 3
  - RAD 100 Radiologic Technology Prep Workshop (by invitation only - part of the application process) .5

Note: If a student has taken an Anatomy and Physiology I (A/P) (4 credit hours) or Anatomy and Physiology II course (A/P) (4 credit hours) from an accredited higher education institution, this does not satisfy the requirements of either Anatomy or Physiology courses that are required by this program. If a student's transcript indicates BOTH A/P I and A/P II courses with a grade of B or higher, this will satisfy the Anatomy and Physiology requirements of this program. If a student takes A/P I and A/P II and one of the grades for these is lower than a grade of B, the student must repeat that course or take State Fair Community College's separate Anatomy and Physiology courses. All required (including prerequisites for the program) science courses must meet the requirement of having been completed within the last 10 years at the time of application to the State Fair Community College Radiologic Technology program.

**Note:** To apply to the program a student must have an overall 2.5 GPA for all college level course work and a 2.75 GPA total for all prerequisites and required general education courses.

### Note:

- Some programs require essential qualifications to be admitted and retained. Visit [www.sfccmo.edu/essential-qualifications](http://www.sfccmo.edu/essential-qualifications) to view these requirements.
- Not all courses are offered every semester. Check with your advisor or the program coordinator. Refer to the course descriptions for prerequisites.
## AAS in Radiologic Technology (continued)

### Degree Requirements

All degree requirements require a grade of C or higher

Courses can be completed prior to the start of the program**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>RAD 102</td>
<td>Orientation to Radiologic Technology</td>
<td>2</td>
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<tr>
<td>RAD 120</td>
<td>Radiographic Procedures I</td>
<td>3</td>
</tr>
<tr>
<td>RAD 122</td>
<td>Radiographic Procedures II</td>
<td>3</td>
</tr>
<tr>
<td>RAD 128</td>
<td>Patient Care</td>
<td>3</td>
</tr>
<tr>
<td>RAD 136</td>
<td>Radiation Protection</td>
<td>2</td>
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<tr>
<td>RAD 106</td>
<td>Clinical Education I</td>
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<tr>
<td>RAD 124</td>
<td>Radiographic Procedures III</td>
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<tr>
<td>RAD 142</td>
<td>Trauma and Advanced Imaging</td>
<td>3</td>
</tr>
<tr>
<td>RAD 134</td>
<td>Radiographic Exposures and Quality Control</td>
<td>3</td>
</tr>
<tr>
<td>RAD 146</td>
<td>Imaging Equipment</td>
<td>3</td>
</tr>
<tr>
<td>RAD 109</td>
<td>Clinical Education II</td>
<td>2</td>
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<tr>
<td>RAD 111</td>
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<tr>
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<td>U.S. History Before 1877 (or)</td>
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<td>HIST 102**</td>
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<td>POLS 101**</td>
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<td>RAD 113</td>
<td>Clinical Education IV</td>
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<tr>
<td>RAD 130</td>
<td>Radiation Production and Characteristics</td>
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<tr>
<td>RAD 140</td>
<td>Radiologic Pharmacology</td>
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<tr>
<td>RAD 154</td>
<td>Sectional Anatomy</td>
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<tr>
<td>COMM 101**</td>
<td>Public Speaking</td>
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<tr>
<td>RAD 115</td>
<td>Clinical Education V</td>
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<tr>
<td>RAD 144</td>
<td>Radiation Biology</td>
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<tr>
<td>RAD 150</td>
<td>Radiographic Pathology</td>
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<tr>
<td>RAD 152</td>
<td>Image Analysis</td>
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<tr>
<td>RAD 170</td>
<td>Preparing for Professionalism</td>
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</tr>
</tbody>
</table>

** Degree Total 83.5

Note: Some programs require essential qualifications to be admitted and retained. Visit [www.sfccmo.edu/essential-qualifications](http://www.sfccmo.edu/essential-qualifications) to view these requirements.

Not all courses are offered every semester. Check with your advisor or the program coordinator. Refer to the course descriptions for prerequisites.