



MINNESOTA STATE

April 6, 2021

South Central College Notice of Intent NOI

South Central College AAS Surgical Technology NOI

Start Term: 20223 (Fall 2021)

End Term: 99999 (No End)

Program Details NEW PROGRAM (NOTICE OF INTENT)

This application has a 20 day review and comment period

NOTICE OF INTENT CODE 11-018-2020

Program Information

| | |
|-----------------------------|--|
| PROGRAM TYPE | Full: all courses offered by award granting college/university |
| # OF CREDITS (whole number) | 60.00 |
| AWARD | Associate of Applied Science |
| DELIVERY MODE | Land plus: face-to-face where some online courses may be available or required |

CURRICULUM

CATALOG DESCRIPTION

The South Central College Surgical Technology Associate of Applied Science (AAS) degree is a 60-credit program designed to create and develop skills in all phases of operating room procedures and techniques, including clinical experience within the operating room. Graduates of the AAS in Surgical Technology will be prepared to become an integral member of the surgical health care team.

Equity and Design Elements List all required courses. Identify MNTC courses and goal area. Describe how this program reflects diversity and inclusion. May attach a document to cover the following Equity by Design considerations.

Equity 2030 Student Populations:

- racial ethnicity
- socioeconomic

- first generation status

How does the curriculum of this program reflect diversity and inclusion?

Explain how the curriculum reflects culturally relevant elements addressing the needs of a growingly diverse student body.

CURRICULUM DESIGN

Note: The full curriculum has not been developed. The development phase is underway, with a deadline of December 2020. The program will seek to accept students from different racial ethnicities, socioeconomic backgrounds, and students of first generation college status. Eventually, the program may become part of the Early Pathways program currently underway at SCC's Faribault campus, which seeks to provide early career and college credit to the underserved population of students.

PROGRAM DUPLICATION

| | |
|---|--|
| | Area from which 80% of students are likely to attend (counties/regions). |
| PROGRAM SERVICE AREA | North Mankato, MN Faribault, MN |
| | Consult the INTERACTIVE PROGRAM INVENTORY |
| NAME MNSCU SCHOOLS THAT OFFER A SIMILAR PROGRAM | Anoka Technical College Lake Superior College Minnesota State Community and Technical College Minnesota West Community and Technical College Northland Community and Technical College Rochester Community and Technical College Saint Paul College St. Cloud Technical and Community College |
| SYSTEM CAPACITY | The number of graduates of the aforementioned colleges do not satisfy the need for surgical technologists in the Minnesota region, as well as the surrounding states. |
| IS THIS A CLOSED ENROLLMENT PROGRAM | No |
| INDUSTRY PARTNER(S) | Due to the significant need for Surgical Technologists, the Mayo Clinic Health System has approached South Central College about collaboration in the development of a Surgical Technologist AAS degree program at South Central College. A Surgical Technology Business Plan has been collaboratively developed that features a four-semester, 60 credit sequence that embeds a Sterile Processing Technician certificate component and culminates with an AAS degree in Surgical Technology. The Mayo Clinic Health System and several area healthcare partners will |

assist South Central College in providing externship opportunities for students to complete the clinical portions of their programs.

LABOR MARKET INFORMATION

Definition of Surgical Technologists, SOC 29-2055

Assist in operations, under the supervision of surgeons, registered nurses, or other surgical personnel. May help set up operating room, prepare and transport patients for surgery, adjust lights and equipment, pass instruments and other supplies to surgeons and surgeon's assistants, hold retractors, cut sutures, and help count sponges, needles, supplies, and instruments.

Occupation Snapshot

As of 2019Q3, total employment for Surgical Technologists in the SCC Surrounding Region (12 counties) was 92. Over the past three years, this occupation added 1 job in the region and is expected to increase by 1 job over the next seven years, or at an annual average rate of 0.2%.

Surgical Technologists in SCC Surrounding Region (12 counties), 2019q3¹

| Current | | | | | 3-Year History | | | 7-Year Forecast | | | | |
|---------|----------------------------|------|--------|-------------|-----------------------------|-------------|-------|-----------------|-------|-----------|-------------|--------------|
| Empl | Avg Ann Wages ² | LQ | Unempl | Unempl Rate | Online Job Ads ³ | Empl Change | Ann % | Total Demand | Exits | Transfers | Empl Growth | Ann % Growth |
| | | | | | | | | | | | | |
| 92 | \$59,100 | 0.68 | 3 | 2.3% | 7 | 1 | 0.5% | 50 | 21 | 29 | 1 | 0.2% |

Source: [JobsEQ®](#)

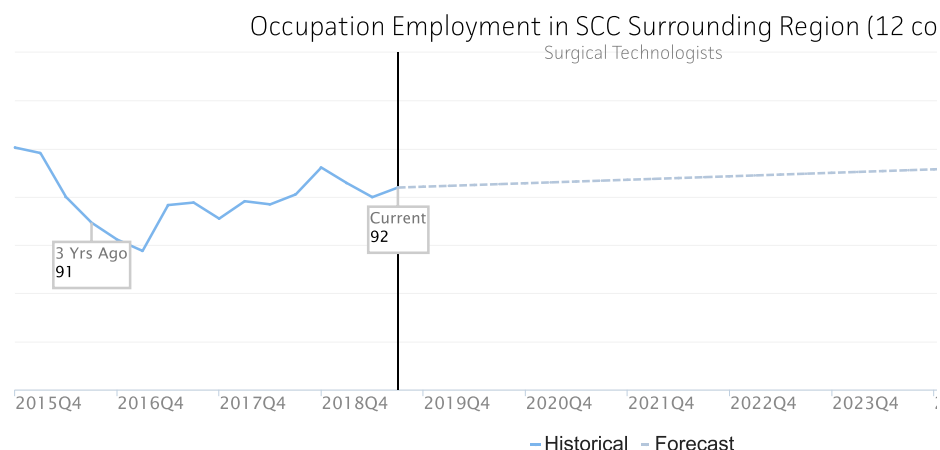
Data as of 2019Q3 unless noted otherwise

Note: Figures may not sum due to rounding.

1. Data based on a four-quarter moving average unless noted otherwise.

2. Wage data are as of 2018 and represent the average for all Covered Employment

3. Data represent found online ads active within the last thirty days in the selected region; data represents a sampling rather than the complete universe of postings. Ads lacking zip code information but designating a place (city, town, etc.) may be assigned to the zip code with greatest employment in that place for queries in this analytic. Due to alternative county-assignment algorithms, ad counts in this analytic may not match that shown in RTI (nor in the popup window ad list).

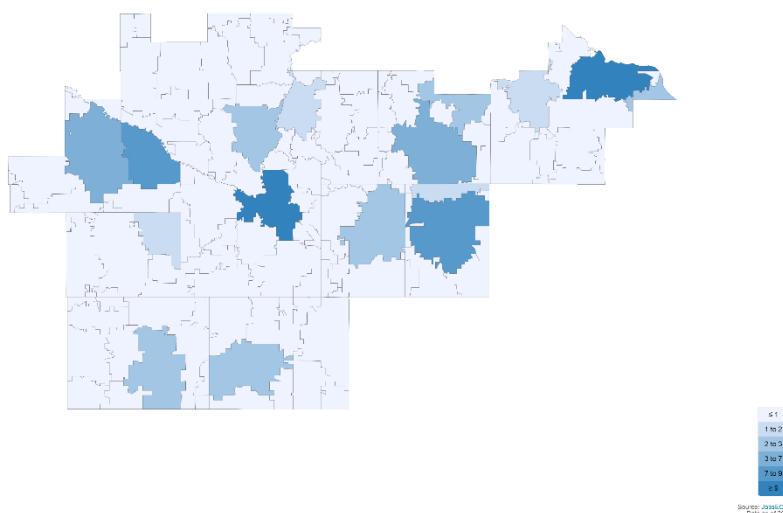


Occupation employment data are estimated via industry employment data and the industry/occupation mix. Industry employment data are derived from the Quarterly Census of Employment and Wages, provided by the Bureau of Labor Statistics and currently updated through 2019Q1, imputed where necessary with preliminary estimates updated to 2019Q3. Wages by occupation are as of 2018 provided by the BLS and imputed where necessary. Forecast employment growth uses national projections from the Bureau of Labor Statistics adapted for regional growth patterns. Occupation unemployment figures are imputed by Chmura.

Geographic Distribution

The below maps illustrate the ZCTA-level distribution of employed Surgical Technologists in the SCC Surrounding Region (12 counties). Employment is shown by place of work and by residence.

Occupation Concentration by Place of Work for Surgical Technologists



Top ZCTAs by Place of Work for Surgical Technologists, 2019Q3

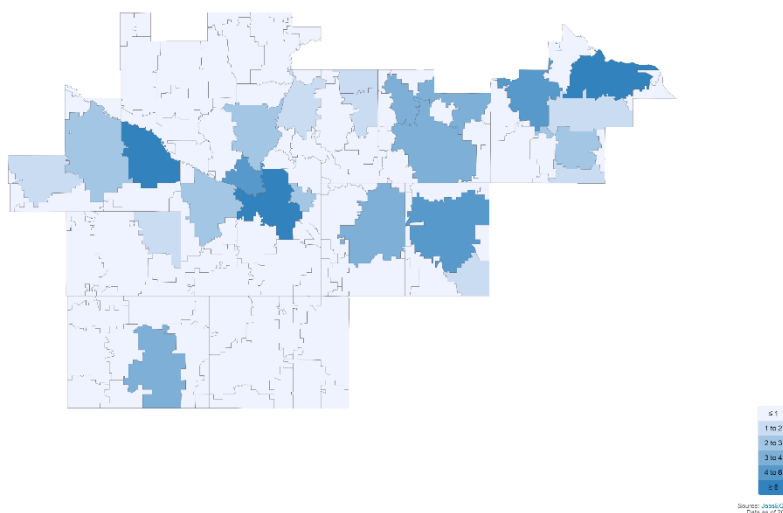
| Region | Employment |
|--|------------|
| ZCTA 56001 | 32 |
| ZCTA 55066 | 9 |
| ZCTA 56073 (Brown County, MN portion) | 8 |
| ZCTA 55060 | 7 |
| ZCTA 56085 (Brown County, MN portion) | 4 |
| ZCTA 55021 | 3 |
| ZCTA 56031 | 3 |
| ZCTA 56082 (Nicollet County, MN portion) | 3 |
| ZCTA 55041 (Goodhue County, MN portion) | 2 |
| ZCTA 55057 (Rice County, MN portion) | 2 |

Source: [JobsEQ®](#)

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Occupation Concentration by Place of Residence for Surgical Technologists



Employment by Industry

The following table illustrates the industries in the SCC Surrounding Region (12 counties) which most employ Surgical Technologists. The single industry most employing this occupation in the region is General Medical and Surgical Hospitals, NAICS 6221. This industry employs 66 Surgical Technologists—employment which is expected to decrease by 1 job over the next ten years; furthermore, 49 additional new workers in this occupation will be needed for this industry due to separation demand, that is, to replace workers in this occupation and industry that retire or move into a different occupation.

Top Industry Distribution for Surgical Technologists (29-2055) in SCC Surrounding Region (12 counties)

| NAICS Code | Industry Title | Current | | 10-Year Demand | | | |
|------------|--|---------------|------|----------------|-----------|-------------|--------------|
| | | % of Occ Empl | Empl | Exits | Transfers | Empl Growth | Total Demand |
| 6221 | General Medical and Surgical Hospitals | 71.4% | 66 | 21 | 29 | -1 | 48 |
| 6211 | Offices of Physicians | 17.2% | 16 | 5 | 7 | 1 | 14 |
| 6212 | Offices of Dentists | 4.7% | 4 | 1 | 2 | 0 | 4 |
| 6214 | Outpatient Care Centers | 3.6% | 3 | 1 | 2 | 1 | 4 |
| 5613 | Employment Services | 1.2% | 1 | 0 | 0 | 0 | 1 |
| | All Others | 1.9% | 2 | 1 | 1 | 0 | 1 |

Source: [JobsEQ®](#)

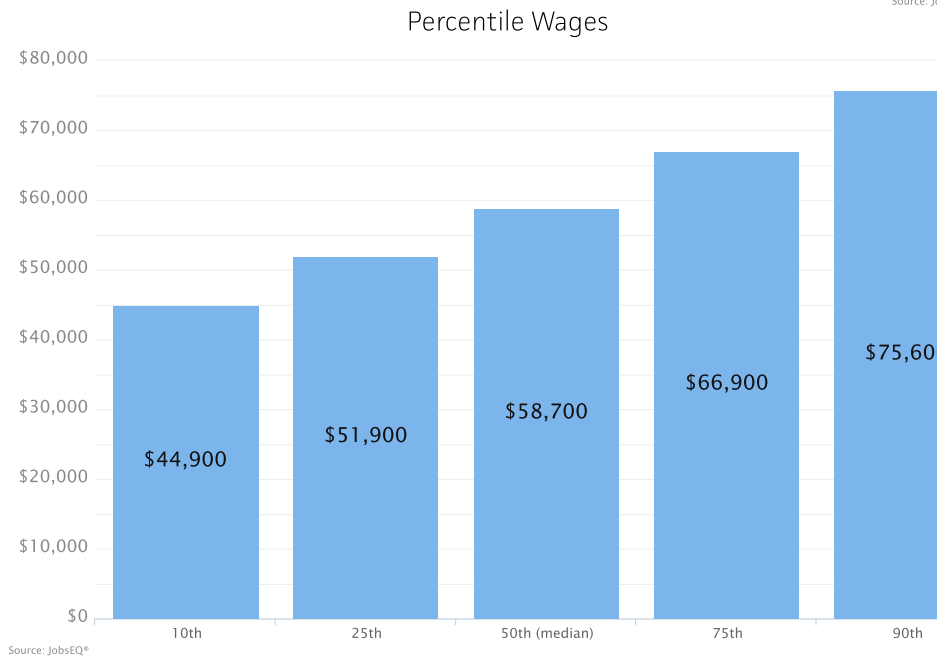
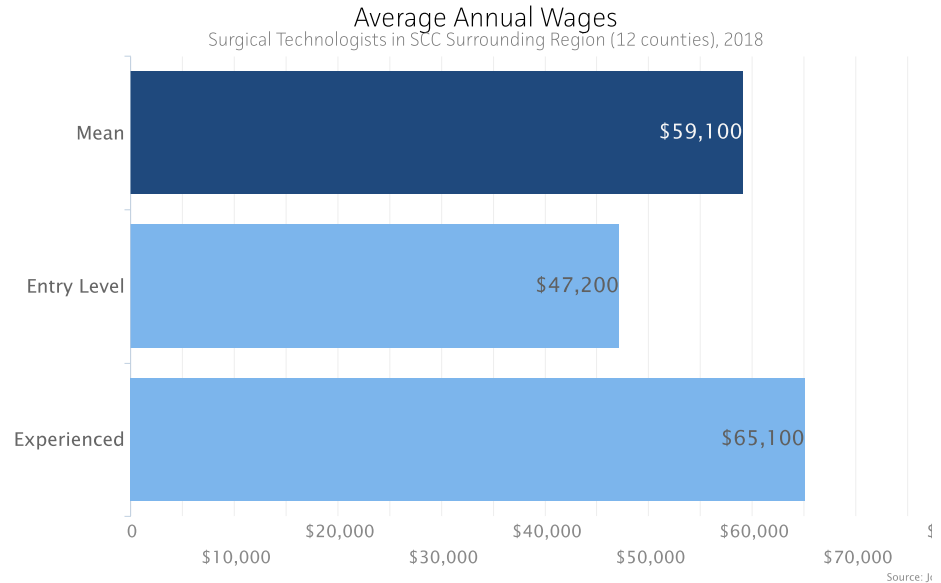
Data as of 2019Q3 except wages which are as of 2018. Note that occupation-by-industry wages represent adjusted national data and may not be consistent with regional, all-industry occupation wages shown elsewhere in JobsEQ.

Note: Figures may not sum due to rounding.

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Wages

The average (mean) annual wage for Surgical Technologists was \$59,100 in the SCC Surrounding Region (12 counties) as of 2018. For the same year, average entry level wages were approximately \$47,200 compared to an average of \$65,100 for experienced workers.



Occupation wages (mean, median, and percentiles) are as of 2018 provided by the BLS, modified and imputed by Chmura where necessary. Entry-level and experienced wages are derived from the same in addition to commuting pattern data.

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OCCUPATIONAL/PROFESSIONAL?

Yes

DESCRIBE NEED & BENEFITS

Describe the labor market need and the economic benefits of program for students, employers, community, and state.

Surgical Technologists, also called operating room technicians, assist with medical operations. They have important roles and responsibilities preparing operating rooms, arranging equipment, and helping doctors during surgeries. Sterile Processing Technicians, also called medical equipment preparers, are responsible for manually cleaning and sterilizing the equipment and instruments to be used during surgery. They are also responsible for examining, testing and monitoring certain items, such as autoclaves, to ensure they're operating properly. Sterile Processing Technicians are in charge of inventory control for all sterile items used in operating rooms and typically lay out surgical gowns and gloves prior to each procedure.

Surgical Technologists are in high demand. According to the US Bureau of Labor Statistics, employment of Surgical Technologists is projected to grow 9 percent from 2018 to 2028, faster than the average for all other health-related occupations. Advances in medical technology have made surgery safer, and more medical operations are being done to treat a variety of illnesses and injuries. In addition, the aging of the large baby boom generation is expected to increase the need for Surgical Technologists because older adults are in need of more operations. Moreover, as these individuals age, they are typically more willing than those in previous generations to seek medical treatment to improve their quality of life. For example, an individual may decide to have a knee replacement operation in order to maintain an active lifestyle or to have cataracts removed to improve vision. Similar to the above information on Surgical Technologists, the US Bureau of Labor Statistics estimates that employment of Sterile Processing Technicians is projected to grow 4% from 2018 to 2028. However, these figures do not account for the demand related to increased hospitalizations, especially for ICU patients, due to the current pandemic. The spike in general population unemployment during the Spring and Summer of 2020 has also created a higher than normal interest and demand in most healthcare worker certifications and degrees. As Surgical Technologists and Sterile Processing Technicians are needed statewide and throughout our region, this career pathway has great appeal to persons seeking new employment opportunities and career changes. From a broader, equity perspective, populations hardest hit with job layoffs and insecurities are typically minority populations and disadvantaged individuals. Offering a new career training opportunity for members of these underserved populations is important to our national, regional, and local economic vitality and our employment equity pursuits. As SCC explored the need and demand for Surgical Technology and Sterile Processing training in our service area and communities, our employer health system collaborators expressed support for and excitement about the possibility of developing programming that would address their important and critical professional need. See attached letters of need and support.

SOC CODE for jobs representing 80% of the anticipated graduates.

SOC Code #1

29-2055

COMMUNITY
COLLABORATION

- Business Advisory Committees
- Businesses that would likely employ graduates of the program

GRANTS

| | |
|------------------------|---|
| GRANT SUPPORT | Yes |
| TYPE OF FUNDING | <ul style="list-style-type: none">• State Government |
| NAME OF FUNDING SOURCE | MINNESOTA STATE – FY 2021 LOCAL PARTNERSHIP PROGRAM |
| PURPOSE STATEMENT | Due to the significant need for Surgical Technologists, the Mayo Clinic Health System has approached South Central College about collaboration in the development of a Surgical Technologist AAS degree program at South Central College. A Surgical Technology Business Plan has been collaboratively developed that features a four-semester, 60 credit sequence that embeds a Sterile Processing Technician certificate component and culminates with an AAS degree in Surgical Technology. The Mayo Clinic Health System and several area healthcare partners will assist South Central College in providing externship opportunities for students to complete the clinical portions of their programs. |
| AMOUNT AWARDED (\$) | 75,000 |

Cip Code: 51.0909) Surgical Technology/Technologist.

To provide comments and feedback submit an email to: AcademicPrograms@minnstate.edu by April 28, 2020