Career Pathway
STUDENT INFORMATION GUIDE

FOR HIGH SCHOOL STUDENTS IN SCC’s 15-COUNTY SERVICE AREA

Two Health pathways plus
NEW Culinary &
Human Services
pathways

2021-2022

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@SENebCAP  www.youtube.com/user/SECommunityCollege  www.facebook.com/SENCAPSCC
WHAT is SENCAP?
Southeast Nebraska Career Academy Partnership is the Career Academy Pathway opportunity for high school juniors and seniors in Southeast Community College's 15-county service area. Classes are dual-credit, earning both high school and college credit at the same time.

WHY SHOULD I TAKE DUAL-CREDIT ACADEMY CLASSES?
You will have the opportunity to explore the career field which interests you BEFORE you start college. A career isn’t only about earning a paycheck, it's about finding a job you are passionate about and love to do!

In the career pathways, you will get an introduction to a career field that interests you and a first-hand look at what goes on in the workplace by taking field trips, participating in job shadowing, listening to speakers, conducting research on careers of interest, and experiencing other career exploration activities.

SENCAP Career Academy Pathways are geared to prepare you for high-wage, high-skill and high-growth occupational areas. Academy Pathways combine rigorous classes with relevant experiences, helping students become ready for a career.

WHAT ACADEMY PATHWAYS ARE OFFERED?
• Agriculture
• Business
• Construction
• Criminal Justice
• Culinary
• Early Childhood Education
• Education
• Energy
• Geographic Information Systems
• Health Certificate & Hlth. Pre-Nursing Pathways
• Horticulture
• Human Services
• Information Technology
• Livestock
• Welding

WHEN AND WHERE WILL I TAKE CLASSES?
SENCAP classes will be offered and scheduled during the regular school day. Options include:
• Face-to-face at your school
• SCC Learning Center
• Hybrid (online lecture, face-to-face lab)
• Online via the Internet
• Live broadcast from SCC location (Zoom or Lifesize video conferencing)

WILL THESE CLASSES TRANSFER?
All of the courses through SENCAP will count toward credit at Southeast Community College. Many will transfer to other four-year institutions in Nebraska. It is the student's responsibility to check with the institution where credit is being transferred to ensure SCC's courses will meet that school's degree requirements. Contact an advisor from the institution to which you plan to transfer as soon as possible. Visit us at www.southeast.edu/transfer-information or transferology.com for more information.

HOW DO I ENROLL?
You must:
• be in good academic standing
• receive permission from your high school
• complete the SENCAP/DC Advantage application form, registration form and course prerequisites

Apply at www.southeast.edu/applynow and select the Dual-Credit/SENCAP Application. Students will take at least one class in the area of their career interest each semester. Each high school will have a complete listing of classes and course descriptions, or you can view the class listings at www.southeast.edu/SENCAP

AFTER YOU ARE ACCEPTED...
After you are enrolled in SENCAP/DC Advantage, you will receive a letter from SENCAP with information on your class schedule, student ID, important dates, accessing The Hub and CANVAS.

Since SENCAP's inception in 2008, the program has grown from 16 participating high schools, approximately 45 students and two career pathways (Education and Health), to 47 high schools and more than 1,000 students involved in 16 career pathways. Students have more than 80 college courses in which to choose.

*Not all academies are offered at all participating high schools. Check with your high school counselor to see which academies are offered in your area. Many courses also are offered online for your convenience.
WHAT IS THE STUDENT PORTFOLIO?
In addition to the college pathway courses, you must complete an online student portfolio to receive credit for the high school portion of the academy. You will access SCC's online CANVAS course to complete weekly assignments. The assignments will provide you an opportunity to explore a variety of careers in your pathway. Typical portfolio assignments include:

CAREER SEARCH
You will research career interests, identify job growth, salary, education requirements, and consider what foundational/soft skills are necessary to be successful in the career.

FIELD TRIP REFLECTIONS
Your coordinator will take a minimum of two field trips a year. Field trips are career oriented and usually involve going to a worksite. Instructors are encouraged to suggest field trip companies/sites to their SENCAP coordinator, helping make the connection from class to academy to career.

JOB SHADOWS/CLASSROOM OBSERVATIONS
You are required to complete a minimum of two job shadows a year. Students in the Education academy are strongly encouraged to complete weekly classroom observations and keep classroom observation forms up to date.

RÉSUMÉ & COVER LETTER BUILDING, REFERENCES
You will create a traditional résumé and obtain personal references. Second-year SENCAP students will transform their résumés into conversational résumés, obtain references and letters of recommendation.

SCHOLARSHIPS
You will research local and national scholarships.

GALLUP STRENGTHFINDERS®
You will complete the Gallup StrengthFinders® assessment and learn how your strengths will be an asset in the career field of choice.

SOCIAL MEDIA
You will gain an understanding of how social media can work to your professional benefit and how long-lasting a digital footprint can be: Twitter, Blogging, Linked-in, etc.

SPECIAL EVENTS
You will have the opportunity to attend Special Event days hosted by SENCAP. They include professional and student panels and multiple breakout sessions covering: Gallup StrengthFinders, Social Media and Networking, Online Job Searches, Résumé Building, and Site Visits.

DUAL-CREDIT SCHOLARSHIP INFORMATION
SCC offers a tuition remission scholarship for all dual-credit SENCAP classes.

The “Dual-Credit Scholarship” is only available for:
a. Students who are in SCC’s 15-county service area and/or are associated with a high school in the SCC 15-county service area
b. Students who are enrolled in DC Advantage, SENCAP or TCA Career Pathways

The “Dual-Credit Scholarship” covers:
a. 50% tuition waiver
b. 50% fee waiver
(The remaining half will be paid for by either the student or the K-12 school depending on available funding.)
Some courses for Health, Construction and Energy may have additional fees, not covered in the scholarship, which will pay for additional tools, course materials, state testing, and background checks.
The purchasing of textbooks is the responsibility of the student. Textbooks may be purchased at http://sccbookstore.com
All SENCAP or DC Advantage high school program classes are dual-credit and are taught by dual-credit certified instructors.
### SENCAP/DC Advantage | 2021-2022 Calendar

#### Fall Semester 2021
- Fall Classes Begin: 8/23
- Last day to enroll in an online course: 8/24
- Last day to enroll in a face-to-face course: 8/27
- Last day to drop fall class with refund: 8/30
- No Show Date (dropped with no refund): 9/3
- Mid-Term Grades Due: 10/19
- Last day to drop a fall class with “W”: 11/17
- Last Day of Class: 12/17

#### Spring Semester 2022
- Spring Classes Begin: 1/10
- Last day to enroll in an online course: 1/11
- Last day to enroll in a face-to-face course: 1/14
- Last day to drop a spring class with refund: 1/17
- No Show Date (dropped with no refund): 1/23
- Mid-Term Grades Due: 3/8
- Last day to drop a spring class with a “W”: 4/6
- Last day of Class: 5/5

#### Yearlong Classes
- Yearlong Classes Begin: 8/23
- Last Day to enroll in a face-to-face course: 8/27
- Last day to drop a yearlong class with refund: 9/10
- No Show Date (dropped with no refund): 9/17
- Mid-Term Grades Due: 12/28
- Last day to drop a yearlong class with a “W”: 3/2
- Last Day of Class: 5/5

The dates listed above may vary depending on the start and end date of the class.

### Symbol Key:
- □ = Semester Begin/End
- ■ = Non-Contract Day
- No classes
- ■ = College Closed/Non-Contract Day
- No classes
- ○ = Faculty In-Service Day

If you are interested in enrolling in SENCAP/DC Advantage, please visit southeast.edu/applynow and click the Dual Credit/SENCAP Application. You are required to only apply one time to the program, and your application remains active until you graduate from high school.

Once you have completed your application, you will receive a confirmation email and an SCC ID#. If you do not receive your SCC ID# after 48 hours, you can retrieve your SCC ID# by visiting the SCC Helpdesk at https://helpdesk.southeast.edu/ or call 402-437-2447 or email helpdesk@southeast.edu.

After you receive your SCC Student ID, you can then proceed to register for dual-credit classes for the active term online by working with your respective coordinator or high school counselor.
<table>
<thead>
<tr>
<th>SENCAP CAREER ACADEMY PATHWAY COURSES AT A GLANCE</th>
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</thead>
<tbody>
<tr>
<td><strong>YEAR 1 - 11th grade</strong></td>
</tr>
<tr>
<td>Junior (or Senior if pathway is not full)</td>
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<tr>
<td><strong>First semester</strong></td>
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<tr>
<td><strong>AGRICULTURE</strong></td>
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<td><strong>HORTICULTURE</strong></td>
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<td><strong>LIVESTOCK</strong></td>
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<td><strong>BUSINESS</strong></td>
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<td><strong>CULINARY</strong></td>
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<td><strong>CRIMINAL JUSTICE</strong></td>
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<td><strong>EARLY CHILDHOOD EDUCATION</strong></td>
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<td><strong>EDUCATION</strong></td>
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<td><strong>HUMAN SERVICES</strong></td>
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<td><strong>CONSTRUCTION</strong></td>
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<td><strong>ENERGY</strong></td>
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<td><strong>GEOGRAPHIC INFORMATION SYSTEMS</strong></td>
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<td><strong>WELDING</strong></td>
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<td><strong>INFORMATION TECH</strong></td>
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<td><strong>HEALTH CERTIFICATE</strong></td>
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<td><strong>HEALTH PRE-NURSING</strong></td>
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AGRICULTURE PATHWAY

<table>
<thead>
<tr>
<th>CAREER PATHWAY</th>
<th>YEAR 1 - 11TH GRADE</th>
<th>YEAR 2 - 12TH GRADE</th>
<th>credits</th>
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<td></td>
<td>FIRST SEMESTER</td>
<td>SECOND SEMESTER</td>
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<tr>
<td></td>
<td>AGRI 1123 ^</td>
<td>AGRI 1131 ^</td>
<td>10</td>
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<tr>
<td></td>
<td>Ag Occupation Exploration</td>
<td>Crop &amp; Food Science</td>
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<td>(3)</td>
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<tr>
<td></td>
<td>AGRI 1126 ^</td>
<td>AGRI 1171 ^</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Intro To Livestock Production</td>
<td>Ag Technology</td>
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<td>(3)</td>
<td>(2)</td>
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<tr>
<td></td>
<td>SOCI 1020 ^</td>
<td>MATH 1150 ^</td>
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<td></td>
<td>Diversity in Society</td>
<td>College Algebra</td>
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<tr>
<td></td>
<td>(GELO #3) (3)</td>
<td>(GELO #5) (3)</td>
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<td></td>
<td>ENGL 1010 ^</td>
<td>SPCH 1110 ^</td>
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<td></td>
<td>English Composition I</td>
<td>Public Speaking</td>
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<td>(GELO #1) (3)</td>
<td>(GELO #1) (3)</td>
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Scholarship savings: 25 credit hours × $114.00 = $2,850 ÷ 2 = $1,425

Associate of Applied Science Degree — Agriculture Management & Production

To complete this degree at SCC:

| AGRI 1124 - 3 | AGRI 2202 - 4 |
| AGRI 1205 - 3 | AGRI 2204 - 1 |
| AGRI 1211 - 3 | AGRI 2267 - 3 |
| AGRI 1216 - 3 | AGRI 2291 - 3 |

plus 20 credits

48

**Course can only be taught at high school that has been approved by SCC Horticulture & Turfgrass Management program

Possible career fields: Ag Aviation Ground Crew, Crop Consultant, Farm Assistant, Ranch Assistant

SCC graduate salary: Recent graduates report an average starting salary of $54,704 per year (SCC 2020 Graduate Employment Report).

For more information: Amanda Fairley, 402-228-3468 ext.1205, afairley@southeast.edu

GENERAL EDUCATION LEARNING OUTCOMES (GELOs)

* Every degree program requires students to build a foundation of GELOs aimed to develop knowledge and skills beyond those specific to an occupation for academic, personal and social growth. Students should contact a program advisor to assist with the selection of GELO courses which will meet their program’s graduation requirements.

| GELO #1: | Oral Communication |
| GELO #2: | Written Communication |
| GELO #3: | Critical Thinking & Problem Solving |
| GELO #4: | Global Awareness and Citizenship |
| GELO #5: | Analytical, Quantitative, and Scientific Reasoning |
| GELO #6: | Career and Life Skills |

* = Course is offered online.

Please note: not all classes are available every term. Students must check availability in the credit class schedule on www.southeast.edu/classschedules
# HORTICULTURE PATHWAY

<table>
<thead>
<tr>
<th>YEAR 1 - 11TH GRADE</th>
<th>YEAR 2 - 12TH GRADE</th>
<th>credits</th>
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<td><strong>FIRST SEMESTER</strong></td>
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<tr>
<td><strong>CAREER PATHWAY</strong></td>
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<td></td>
<td>PSYC 1810 ^</td>
<td>MATH 1150 ^</td>
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<td></td>
<td>Introduction to</td>
<td>English Composition I</td>
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<td></td>
<td>Psychology</td>
<td>(GELO #5)</td>
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<td></td>
<td>(GELO #3)</td>
<td>(3)</td>
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<td><strong>SECOND SEMESTER</strong></td>
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<td><strong>15</strong></td>
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<tr>
<td>Suggested DC Advantage</td>
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<tr>
<td>General Education Learning Outcomes (&quot;GELOs&quot;) to meet program requirements</td>
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<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td><strong>SECOND SEMESTER</strong></td>
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<td><strong>10</strong></td>
</tr>
<tr>
<td>HORT1130 ^</td>
<td>HORT1216 ^</td>
<td>HORT1136</td>
</tr>
<tr>
<td>Introduction to Horticulture</td>
<td>Horticulture Business Management</td>
<td>Plant Propagation</td>
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<td>(3)</td>
<td>(3)</td>
<td>(2)</td>
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<tr>
<td>Scholarship savings:</td>
<td>25 credit hours × $114.00 = $2,850 ÷ 2 = $1,425</td>
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<tr>
<td>Associate of Applied Science Degree — Horticulture and Turfgrass Management</td>
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<tr>
<td>To complete this degree at SCC:</td>
<td>Courses depend on focus area</td>
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<tr>
<td><strong>43</strong></td>
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</tbody>
</table>

**Course can only be taught at high school that has been approved by SCC Horticulture & Turfgrass Management program

Possible career fields: Golf course assistant, golf course spray tech, golf course irrigation tech, sports field manager, landscape construction, landscape installation, landscape maintenance, landscape sales, florist, greenhouse grower, groundskeeper, equipment salesperson, research technician, commercial pesticide applicator, conservationist

SCC graduate salary: Recent graduates report an average starting salary of $34,424 per year (SCC 2020 Graduate Employment Report).

Other important info: To graduate from the program, students will be required to complete an internship.

For more information: Alex Goeckel, agoeckel@southeast.edu, 402-228-8126

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GENERAL EDUCATION LEARNING OUTCOMES (GELOs)

* Every degree program requires students to build a foundation of GELOs aimed to develop knowledge and skills beyond those specific to an occupation for academic, personal and social growth. Students should contact a program advisor to assist with the selection of GELO courses which will meet their program’s graduation requirements.

GELO #1: Oral Communication
GELO #2: Written Communication
GELO #3: Critical Thinking & Problem Solving
GELO #4: Global Awareness and Citizenship
GELO #5: Analytical, Quantitative, and Scientific Reasoning
GELO #6: Career and Life Skills

^ = Course is offered online.

Please note: not all classes are available every term. Students much check availability in the credit class schedule: www.southeast.edu/classschedules

www.southeast.edu/highschoolstudentprograms
### General Education Learning Outcomes (GELOs)

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<table>
<thead>
<tr>
<th>^ Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>GELO #1</td>
<td>Oral Communication</td>
</tr>
<tr>
<td>GELO #2</td>
<td>Written Communication</td>
</tr>
<tr>
<td>GELO #3</td>
<td>Critical Thinking &amp; Problem Solving</td>
</tr>
<tr>
<td>GELO #4</td>
<td>Global Awareness and Citizenship</td>
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<tr>
<td>GELO #5</td>
<td>Analytical, Quantitative, and Scientific Reasoning</td>
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<tr>
<td>GELO #6</td>
<td>Career and Life Skills</td>
</tr>
</tbody>
</table>

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**LIVESTOCK PATHWAY**

### CAREER PATHWAY

**YEAR 1 - 11TH GRADE**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td><strong>AGRI 1126 ^</strong> Intro to Livestock Production and Ag Occupations Exploration (5)</td>
<td><strong>AGRI 1131 ^</strong> Crop &amp; Food Science (5)</td>
</tr>
</tbody>
</table>

**YEAR 2 - 12TH GRADE**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td><strong>AGRI 1177 ^</strong> Companion Animals (5)</td>
<td><strong>AGRI 1257</strong> Live Animal Selection &amp; Carcass Evaluation (2)</td>
</tr>
</tbody>
</table>

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**Suggested DC Advantage**

<table>
<thead>
<tr>
<th>GELO #1</th>
<th>GELO #2</th>
<th>GELO #3</th>
<th>GELO #4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SOCI 1020 ^</strong> Diversity in Society (GELO #3) (3)</td>
<td><strong>MATH 1150 ^</strong> College Algebra (GELO #5) (3)</td>
<td><strong>ENGL 1010 ^</strong> English Composition I (GELO #1) and <strong>ENGL 1010 ^</strong> English Composition I (GELO #1)</td>
<td><strong>ECON 1200 ^</strong> Personal Finance (GELO #6) (3-6)</td>
</tr>
<tr>
<td><strong>SPCH 1110 ^</strong> Public Speaking (GELO #1) (3)</td>
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**Scholarship savings:** 28 credit hours × $114.00 = $3,192 ÷ 2 = $1,596

**Associate of Applied Science Degree — Livestock Management and Production**

**To complete this degree at SCC:**

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<tbody>
<tr>
<td><strong>AGRI 1141</strong> 4</td>
<td><strong>AGRI 2223</strong> 4</td>
<td><strong>AGRI Electives - 10</strong> 10 credits</td>
<td>45</td>
</tr>
<tr>
<td><strong>AGRI 1171</strong> 2</td>
<td><strong>AGRI 2240</strong> 4</td>
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<tr>
<td><strong>AGRI 1205</strong> 3</td>
<td><strong>AGRI 2245</strong> 4</td>
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<tr>
<td><strong>AGRI 1221</strong> 2</td>
<td><strong>AGRI 2254</strong> 3</td>
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<tr>
<td><strong>AGRI 1257</strong> 2</td>
<td><strong>AGRI 2255</strong> 3</td>
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<tr>
<td><strong>AGRI 2231</strong> 4</td>
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<tr>
<td>17 credits</td>
<td>18 credits</td>
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</table>

**Possible career fields:** Breeding Tech, Cattle Foreman, Herdsman, Ranch Assistant

**SCC graduate salary:** Recent graduates report an average starting salary of $33,197 per year (SCC 2020 Graduate Employment Report).

**For more information:** Alex Goecikel, agoecikel@southeast.edu, 402-228-8126

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**SOUTHEAST NEBRASKA CAREER ACADEMY PARTNERSHIP & DUAL CREDIT ADVANTAGE | CAREER PATHWAYS | 2021-2022**

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www.southeast.edu/highschoolstudentprograms
**BUSINESS PATHWAY**

**YEAR 1 - 11TH GRADE**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td>BSAD 1050 ^</td>
<td>ENTR 1050 ^</td>
</tr>
<tr>
<td>Introduction to Business and Finance</td>
<td>Introduction to Entrepreneurship</td>
</tr>
<tr>
<td>ECON 1200 ^</td>
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<tr>
<td>Personal Finance</td>
<td>(3)</td>
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**YEAR 2 - 12TH GRADE**

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<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td>BSAD 2540 ^</td>
<td>BSAD 2520 ^</td>
</tr>
<tr>
<td>Principles of Management and Leadership</td>
<td>Principles of Marketing and Business Ethics</td>
</tr>
<tr>
<td>ACCT 1200 ^</td>
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<tr>
<td>Principles of Accounting I</td>
<td>(6)</td>
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| 21 |

**Suggested DC Advantage**

General Education Learning Outcomes (GELOs) to meet program requirements

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td>SPCH 1110 ^</td>
<td>ENGL 1010 ^</td>
</tr>
<tr>
<td>Public Speaking (GELO #1)</td>
<td>English Composition I (GELO #2)</td>
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</table>

| 9 |

**Scholarship savings:** 30 credit hours \( \times \$114.00 = \$3,420 \div 2 = \$1,710 \)

**Associate of Applied Science Degree — Business**

To complete this degree at SCC:

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
</tr>
</tbody>
</table>

**Possible career fields:** Account Manager, Benefit Specialist, Business Manager, Customer Service Representative, Marketing Assistant

**SCC graduate salary:** Recent graduates report an average starting salary of $38,272 per year (SCC 2020 Graduate Employment Report).

**For more information:**
Beth Deinert, bdienert@southeast.edu, 402-437-2415
Linda Hartman, lhartman@southeast.edu, 402-437-2433;
Tammie Lang, tlang@southeast.edu, 402-761-8465

*If you intend to enroll in a business program in college, we recommend taking these while in high school. They are required for a college degree.*

**GENERAL EDUCATION LEARNING OUTCOMES (GELOs)**

- Every degree program requires students to build a foundation of GELOs aimed to develop knowledge and skills beyond those specific to an occupation for academic, personal, and social growth. Students should contact a program advisor to assist with the selection of GELO courses which will meet their program’s graduation requirements.

| GELO #1: Oral Communication |
| GELO #2: Written Communication |
| GELO #3: Critical Thinking & Problem Solving |
| GELO #4: Global Awareness and Citizenship |
| GELO #5: Analytical, Quantitative, and Scientific Reasoning |
| GELO #6: Career and Life Skills |

^ = Course is offered online.

Please note: not all classes are available every term. Students much check availability in the credit class schedule. www.southeast.edu/classschedules

www.southeast.edu/highschoolstudentprograms
CULINARY PATHWAY

YEAR 1 - 11TH GRADE
FIRST SEMESTER | SECOND SEMESTER
---|---
FSDT-1350 Basic Nutrition (3) | FSDT-1010 Introduction to Culinary/Hospitality (2)
FSDT-1602 Introduction to Sanitation and Safety (1.5) | FSDT-111B Food Purchasing (1)

YEAR 2 - 12TH GRADE
FIRST SEMESTER | SECOND SEMESTER
---|---
11.5 credits
FSDT-1150 Food Purchasing (3) And/or | FSDT-1030 Guest Beverage Service (2)
PSYC-1810 Intro to Psychology (GELO #3) (3) | SPCH-1110 Public Speaking (GELO #1) (3)
ENGL-1010 Composition I (GELO #2) (3) | POLS-1000 American Government (GELO #4) (3)

Suggested DC Advantage
General Education Learning Outcomes (GELOs) to meet program requirements

Scholarship savings: 30 credit hours × $114.00 = $3,420 ÷ 2 = $1,710

Possible career fields: Cook: Clubs, Hotels, Retirement Centers, Fine-Dining and Catering Services

SCC graduate salary: Recent graduates report an average starting salary of $27,768 per year (SCC 2020 Graduate Employment Report).

For more information: Robert Epps repps@southeast.edu 402-437-2526

SOUTHEAST NEBRASKA CAREER ACADEMY PARTNERSHIP
& DUAL CREDIT ADVANTAGE | CAREER PATHWAYS | 2021-2022

GELO #1: Oral Communication
GELO #2: Written Communication
GELO #3: Critical Thinking & Problem Solving
GELO #4: Global Awareness and Citizenship
GELO #5: Analytical, Quantitative, and Scientific Reasoning
GELO #6: Career and Life Skills

* = Course is offered online.
Please note: not all classes are available every term. Students much check availability in the credit class schedule. www.southeast.edu/classschedules

www.southeast.edu/highschoolstudentprograms
### CRIMINAL JUSTICE PATHWAY

**YEAR 1 - 11TH GRADE**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM 1010 ^ Introduction to Criminal Justice (3)</td>
<td>CRIM 2030 ^ Police &amp; Society (3)</td>
</tr>
<tr>
<td>PSYC 1810 ^ Introduction to Psychology (GELO #3) (3)</td>
<td>SOCI 1010 ^ Diversity in Society (GELO #4) (3)</td>
</tr>
<tr>
<td>ENGL 1010 ^ English Composition I (GELO #2) (3)</td>
<td>SPCH 1110 ^ Public Speaking (GELO #4) (3)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
</tr>
</tbody>
</table>

**YEAR 2 - 12TH GRADE**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRIM 2100 ^ Juvenile Justice (3)</td>
<td>CRIM 1030 ^ Courts &amp; the Judicial Process (3)</td>
</tr>
<tr>
<td>CRIM 2200 - 3</td>
<td>CRIM 2265 - 3</td>
</tr>
<tr>
<td>CRIM 2210 - 3</td>
<td>CRIM 2270 - 3</td>
</tr>
<tr>
<td>CRIM 2220 - 3</td>
<td>CRIM 2290 - 3</td>
</tr>
<tr>
<td>CRIM 2230 - 3</td>
<td>CRIM 2340 - 3</td>
</tr>
<tr>
<td>CRIM 2240 - 3</td>
<td>CRIM 2400 - 3</td>
</tr>
<tr>
<td>Adv. Appr. Elec. - 3</td>
<td>18 credits</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
</tr>
</tbody>
</table>

**Suggested DC Advantage**
- General Education Learning Outcomes (GELOs)
- to meet program requirements

**Scholarship savings:** 27 credit hours × $114.00 = $3,018 ÷ 2 = $1,509

**To complete this degree at SCC:**

| CRIM 1020 - 3 | CRIM 2255 - 3 |
| CRIM 2000 - 3 | CRIM 2270 - 3 |
| CRIM 2080 - 3 | CRIM 2290 - 3 |
| CRIM 2200 - 3 | CRIM 2340 - 3 |
| CRIM 2210 - 3 | CRIM 2400 - 3 |
| 18 credits    | 15 credits    |

**To complete this degree at SCC:**

<table>
<thead>
<tr>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
</tr>
</tbody>
</table>

**Possible career fields:**
- Correctional Officer, Criminal Justice Advocate, Police Officer, Security Specialist

**SCC graduate salary:**
- Recent graduates report an average starting salary of $39,312 per year (SCC 2020 Graduate Employment Report).

**For more information:**
- Rita M. Dondlinger, rdondlinger@southeast.edu, 402-323-3459

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**GENERAL EDUCATION LEARNING OUTCOMES (GELOs)**

- Every degree program requires students to build a foundation of GELOs aimed to develop knowledge and skills beyond those specific to an occupation for academic, personal and social growth. Students should contact a program advisor to assist with the selection of GELO courses which will meet their program's graduation requirements.

<table>
<thead>
<tr>
<th>GELO #1</th>
<th>Oral Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>GELO #2</td>
<td>Written Communication</td>
</tr>
<tr>
<td>GELO #3</td>
<td>Critical Thinking &amp; Problem Solving</td>
</tr>
<tr>
<td>GELO #4</td>
<td>Global Awareness and Citizenship</td>
</tr>
<tr>
<td>GELO #5</td>
<td>Analytical, Quantitative, and Scientific Reasoning</td>
</tr>
<tr>
<td>GELO #6</td>
<td>Career and Life Skills</td>
</tr>
</tbody>
</table>

^ = Course is offered online.

Please note: not all classes are available every term. Students much check availability in the credit class schedule. www.southeast.edu/classschedules
### EARLY CHILDHOOD EDUCATION PATHWAY

**SOUTHEAST NEBRASKA CAREER ACADEMY PARTNERSHIP**

& DUAL CREDIT ADVANTAGE | CAREER PATHWAYS | 2021-2022

---

#### YEAR 1 - 11TH GRADE

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ECED 1150 ^</strong> - Introduction to Early Childhood Education</td>
<td><strong>ECED 1220 ^</strong> - Preschool Child Development</td>
</tr>
</tbody>
</table>


| **ENGL 1010 ^** - English Composition I (GELO #6) | **SPCH 1110 ^** - Public Speaking (GELO #1) |

| **PSYC 1810 ^** - Introduction to Psychology (GELO #6) | **ECON 1200 ^** - Personal Finance (GELO #3) |

| **ENGL 1010 ^** | **MATH 1150 ^** - College Algebra (GELO #5) |

| **11 credits** | **15 credits** |

#### Scholarship savings:

26 credit hours × $114.00 = $2,964 ÷ 2 = $1,482

---

**Possible career fields:** Assistant Preschool Teacher, Child Care Center - Assistant, Nanny, Teacher Assistant, Toddler Specialist

**SCC graduate salary:** Recent graduates report an average starting salary of $26,000 per year (SCC 2020 Graduate Employment Report).

**Other important info:** Apply for the Volker Early Childhood Education Scholarship $500

**For more information:** Crystal Kozak, 402-437-2455, ckozak@southeast.edu

---

### Associate of Applied Science Degree — Early Childhood Education

<table>
<thead>
<tr>
<th>To complete this degree at SCC:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACFS 1015</strong> - 1</td>
</tr>
<tr>
<td><strong>ECED 1050</strong> - 3</td>
</tr>
<tr>
<td><strong>ECED 1060</strong> - 3</td>
</tr>
<tr>
<td><strong>ECED 1110</strong> - 3</td>
</tr>
<tr>
<td><strong>ECED 1160</strong> - 3</td>
</tr>
<tr>
<td><strong>ECED 1220</strong> - 1</td>
</tr>
</tbody>
</table>

| **ECED 1224** - 3 |
| **ECED 1230** - 2 |
| **ECED 1670** - 2 |
| **ECED 1620** - 1 |
| **ECED 1630** - 1 |
| **ECED 1640** - 1 |

| **ECED 2050** - 3 |
| **ECED 2060** - 3 |
| **ECED 2065** - 3 |
| **ECED 2070** - 3 |

| **ECED 2450** - 3 |
| **ECED 2600** - 2 |

| **ECED 2800** - 2 |
| **ECED 2900/2902** - 4 |

20 credits

48 credits

---

**GENERAL EDUCATION LEARNING OUTCOMES (GELOs)**

* Every degree program requires students to build a foundation of GELOs aimed to develop knowledge and skills beyond those specific to an occupation for academic, personal and social growth. Students should contact a program advisor to assist with the selection of GELO courses which will meet their program’s graduation requirements.

<table>
<thead>
<tr>
<th>GELO #1: Oral Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>GELO #2: Written Communication</td>
</tr>
<tr>
<td>GELO #3: Critical Thinking &amp; Problem Solving</td>
</tr>
<tr>
<td>GELO #4: Global Awareness and Citizenship</td>
</tr>
<tr>
<td>GELO #5: Analytical, Quantitative, and Scientific Reasoning</td>
</tr>
<tr>
<td>GELO #6: Career and Life Skills</td>
</tr>
</tbody>
</table>

^ = Course is offered online.

Please note: not all classes are available every term. Students must check availability in the credit class schedule. www.southeast.edu/classschedules

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www.southeast.edu/highschoolstudentprograms
GENERAL EDUCATION LEARNING OUTCOMES (GELOs)

Every degree program requires students to build a foundation of GELOs aimed to develop knowledge and skills beyond those specific to an occupation for academic, personal and social growth. Students should contact a program advisor to assist with the selection of GELO courses which will meet their program’s graduation requirements.

GELO #1: Oral Communication
GELO #2: Written Communication
GELO #3: Critical Thinking & Problem Solving
GELO #4: Global Awareness and Citizenship
GELO #5: Analytical, Quantitative, and Scientific Reasoning
GELO #6: Career and Life Skills

*S = Course is offered online.

Please note: not all classes are available every term. Students much check availability in the credit class schedule. www.southeast.edu/classschedules

www.southeast.edu/highschoolstudentprograms
HUMAN SERVICES PATHWAY

<table>
<thead>
<tr>
<th>YEAR 1 - 11TH GRADE</th>
<th>YEAR 2 - 12TH GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td><strong>SECOND SEMESTER</strong></td>
</tr>
<tr>
<td>HMRS 1101^ Human Services Concepts and SOCI 1010^ Introduction to Sociology (6)</td>
<td>HMRS 1105^ Critical Thinking in Human Services and HMRS 1100^ Communication Skills in Human Services (6)</td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>PSYC-1810 Intro to Psychology (GELO #3) (3)</td>
<td>SPCH-1110 Public Speaking (GELO #1) (2)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>credits</strong></td>
<td><strong>24</strong></td>
</tr>
</tbody>
</table>

Suggested DC Advantage
General Education Learning Outcomes (*GELOs) to meet program requirements

<table>
<thead>
<tr>
<th>Year 1 - 11th Grade</th>
<th>Year 2 - 12th Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td><strong>SECOND SEMESTER</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>PSYC-1810 Intro to Psychology (GELO #3) (3)</td>
<td>SPCH-1110 Public Speaking (GELO #1) (2)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL-1010 Composition I (GELO #2) (2)</td>
<td>FSDT 1350 Basic Nutrition (GELO #5) (3)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>credits</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

Scholarship savings: 36 credit hours × $114.00 = $4,104 ÷ 2 = $2,052

Associate of Applied Science Degree – Human Services

<table>
<thead>
<tr>
<th>To complete this degree at SCC</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HMRS 1402 (3)</td>
<td>HMRS 1403 OR 1405 (3)</td>
</tr>
<tr>
<td>HMRS 2980 (3) (9)</td>
<td>Psych 2980 (3) (9)</td>
</tr>
<tr>
<td></td>
<td>Two HMRS Focus courses of 3 credits each (6)</td>
</tr>
<tr>
<td></td>
<td>4 Practicum courses (15)</td>
</tr>
<tr>
<td></td>
<td>OR Alcohol and Drug Certificate is 3 HMRS Focus Courses (12)</td>
</tr>
<tr>
<td></td>
<td>and 4 Practicum courses (16)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>credits</strong></td>
<td><strong>31</strong></td>
</tr>
</tbody>
</table>

Possible career fields:
Family Child Advocate, Case Manager, Mental Health Technician, Volunteer Coordinator, Drug & Alcohol Counselor, Life Enrichment Specialist

SCC graduate salary:
Recent graduates report an average starting salary of $30,160 per year (SCC 2020 Graduate Employment Report).

For more information:
Michelle Hawco, mhawco@southeast.edu, 402-437-2746

GENERAL EDUCATION LEARNING OUTCOMES (GELOs)

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GELOs aimed to develop knowledge and skills beyond those specific
to an occupation for academic, personal and social growth. Students
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courses which will meet their program's graduation requirements.

| GELO #1 | Oral Communication |
| GELO #2 | Written Communication |
| GELO #3 | Critical Thinking & Problem Solving |
| GELO #4 | Global Awareness and Citizenship |
| GELO #5 | Analytical, Quantitative, and Scientific Reasoning |
| GELO #6 | Career and Life Skills |

* = Course is offered online.
Please note: not all classes are available every term. Students must check availability in the credit class schedule. www.southeast.edu/classschedules

www.southeast.edu/highschoolstudentprograms
## CONSTRUCTION PATHWAY

### YEAR 1 - 11TH GRADE

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNST 1123 Concrete &amp; Masonry Tools &amp; Materials I AND CNST 1125 Concrete &amp; Masonry Applications I (3)</td>
<td>CNST 1124 Concrete &amp; Masonry Tools &amp; Materials II AND CNST 1126 Concrete &amp; Masonry Applications II (3)</td>
</tr>
<tr>
<td><strong>12</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

### Suggested DC Advantage General Education Learning Outcomes (GELOs) to meet program requirements

- MATH 1150 \(^*\) College Algebra (GELO #5) (3)
- ECON 1200 \(^*\) Personal Finance (GELO #3) (3)
- ENGL 1010 \(^*\) English Composition I (GELO #2) (3)
- SPCH 1110 \(^*\) Public Speaking (GELO #1) (3)

**Scholarship savings:** 24 credit hours \(\times \$114.00 = \$2,736 \div 2 = \$1,368.\)

### Scholarship savings: 24 credit hours \(\times \$114.00 = \$2,736 \div 2 = \$1,368.\)

### Associate of Applied Science Degree — Building Construction

<table>
<thead>
<tr>
<th>To complete this degree at SCC:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CNST 1226 - 3.5</td>
<td>CNST 1328 - 3.5</td>
</tr>
<tr>
<td>CNST 1430 - 3</td>
<td>CNST 1433 - 3</td>
</tr>
<tr>
<td>GELO #6</td>
<td>ACFS 2020 - 1</td>
</tr>
<tr>
<td>10 credits</td>
<td>7 credits</td>
</tr>
<tr>
<td>CNST 2532 - 4.5</td>
<td>CNST 2533 - 4.5</td>
</tr>
<tr>
<td>CNST 2634 - 2</td>
<td>CNST 2635 - 2</td>
</tr>
<tr>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

### Possible career fields:
- Concrete/masonry specialist, Carpenter, Cabinet Maker, Drafting/Estimating, House Construction, Project Foreman

### SCC graduate salary:
- Recent graduates report an average starting salary of $41,600 per year (SCC 2020 Graduate Employment Report).

### For more information:
- Jason Adams, 402-761-8209 or 800-933-7223 ext. 8209, jadams@southeast.edu

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**GENERAL EDUCATION LEARNING OUTCOMES (GELOs)**

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- GELO #1: Oral Communication
- GELO #2: Written Communication
- GELO #3: Critical Thinking & Problem Solving
- GELO #4: Global Awareness and Citizenship
- GELO #5: Analytical, Quantitative, and Scientific Reasoning
- GELO #6: Career and Life Skills

\(^*\) = Course is offered online.

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www.southeast.edu/highschoolstudentprograms
# ENERGY PATHWAY

<table>
<thead>
<tr>
<th>CAREER PATHWAY</th>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENER 1100 ^</td>
<td>Enroll Energy Industry Fundamentals</td>
<td>(3)</td>
<td>ENER 2102 ^</td>
<td>Nuclear Energy Technologies</td>
</tr>
<tr>
<td>ENER 2130 ^</td>
<td>Green Energy Technologies</td>
<td>(2)</td>
<td>ENER 1110</td>
<td>Operator Safety</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Suggested DC Advantage</th>
<th>General Education Learning Outcomes (GELOs) to meet program requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1150 ^</td>
<td>College Algebra (GELO #5)</td>
</tr>
<tr>
<td>ECON 1200 ^</td>
<td>Personal Finance (GELO #6)</td>
</tr>
<tr>
<td>ENGL 1010 ^</td>
<td>English Composition I (GELO #2)</td>
</tr>
<tr>
<td>SPCH 1110 ^</td>
<td>Public Speaking (GELO #1)</td>
</tr>
</tbody>
</table>

**Scholarship savings:** 22 credit hours × $114.00 = $2,508 ÷ 2 = $1,254.

**Associate of Applied Science Degree — Energy Generation Operations**

To complete this degree at SCC:

Courses depend on focus area.

<table>
<thead>
<tr>
<th>credits</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td></td>
</tr>
</tbody>
</table>

**Possible career fields:** Biofuels production facility operator, Coal-fires power plant operator, Combined Cycle power plant operator, Heating-Cooling plant operator, Hydroelectric Power plant operator, Nuclear power plant operator, Pipeline operator, Process plant operator, Refinery operator, Solar power plant operator, Water/wastewater treatment plant operator, Wind turbine farm operator, Wind turbine technician

**SCC graduate salary:** Recent graduates report an average starting salary of $58,656 per year (SCC 2020 Graduate Employment Report).

**For more information:** David Madcharo, 402-761-8464 or dmadcharo@southeast.edu

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**GENERAL EDUCATION LEARNING OUTCOMES (GELOs)**

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<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>GELO #2</td>
<td>Written Communication</td>
</tr>
<tr>
<td>GELO #3</td>
<td>Critical Thinking &amp; Problem Solving</td>
</tr>
<tr>
<td>GELO #4</td>
<td>Global Awareness and Citizenship</td>
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<td>Analytical, Quantitative, and Scientific Reasoning</td>
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<td>Career and Life Skills</td>
</tr>
</tbody>
</table>

^ = Course is offered online.

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www.southeast.edu/highschoolstudentprograms
# Geographic Information Systems Pathway

## Year 1 - 11th Grade

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GIST 1110</strong></td>
<td><strong>GIST 1120</strong></td>
</tr>
<tr>
<td>Introduction to Geospatial Technology</td>
<td>Spatial Analysis and Modeling</td>
</tr>
<tr>
<td>(3)</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Suggested DC Advantage**

General Education Learning Outcomes (GELOs) to meet program requirements:

- **ECON 1200**  
  Personal Finance (GELO #3) or any GELO elective (3)

**Scholarship savings:** 15 credit hours \( \times \$14.00 = \$1,710 \div 2 = \$855 \)

## Year 2 - 12th Grade

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GIST 1130</strong></td>
<td><strong>GIST 1140</strong></td>
</tr>
<tr>
<td>Data Acquisition &amp; Management</td>
<td>GIS Capstone</td>
</tr>
<tr>
<td>(3)</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Certificate — Geographic Information Systems Technician**

To complete this degree at SCC:

- **GIST 1900** – Internship or **GIST 1901** – Cooperative Experience or **GIST 1150** – Advanced Exploratory GIS (3)

**Possible career fields:** GIS Technician, GIS Support Analyst, GIS Specialist, Cartographic Technician

**SCC graduate salary:** Recent graduates report an average starting salary of $45,864 per year (SCC 2020 Graduate Employment Report).

**For more information:** Katrina Patton, 402-437-2262 or 800-642-4075 ext. 2262, kpatton@southeast.edu

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**General Education Learning Outcomes (GELOs)**

- Every degree program requires students to build a foundation of GELOs aimed to develop knowledge and skills beyond those specific to an occupation for academic, personal and social growth. Students should contact a program advisor to assist with the selection of GELO courses which will meet their program’s graduation requirements.

**GELO #1:** Oral Communication

**GELO #2:** Written Communication

**GELO #3:** Critical Thinking & Problem Solving

**GELO #4:** Global Awareness and Citizenship

**GELO #5:** Analytical, Quantitative, and Scientific Reasoning

**GELO #6:** Career and Life Skills

* = Course is offered online.

Please note: not all classes are available every term. Students much check availability in the credit class schedule: www.southeast.edu/classschedules

www.southeast.edu/highschoolstudentprograms
WELDING PATHWAY

YEAR 1 - 11TH GRADE  
FIRST SEMESTER  
WELD 1107  
Oxyacetylene Fuel & Cutting  
3.5 credits  
SECOND SEMESTER  
WELD 1101  
SMAW I  
3.5 credits

YEAR 2 - 12TH GRADE  
FIRST SEMESTER  
WELD 1123  
GMAW I  
3.5 credits  
SECOND SEMESTER  
WELD 2310  
FCAW  
or  
WELD 1109  
SMAW II  
25 credits  
12.5 - 13.5

Scholarship savings:  
28.5 credit hours × $114.00 = $3,249  
÷ 2 = $1,624.50.

Associate of Applied Science Degree – Welding Technology  
To complete this degree at SCC:  
WELD 1128 - 2.5  
WELD 1130 - 3  
WELD 1220 - 2.5  
WELD 1230 - 2.5  
WELD 2310 - 2  
12.5 credits  
WELD 2320 - 3  
WELD 2330 - 1.5  
WELD 2410 - 2.5  
WELD 2420 - 1.5  
WELD 2450 - 3  
12.5 credits  
WELD 2510 - 3  
WELD 2520 - 1.5  
WELD 2530 - 3  
WELD 2540 - 2  
12.5 credits  
36.5

Completion of 12.5 credits is eligible for a Welding Certificate from SCC.

Possible career fields:  
Fabricator, Welder

SCC graduate salary:  
Recent graduates report an average starting salary of $43,264 per year  

For more information:  
Mark Hawkins, mhawkins@southeast.edu, 402-437-2694 or  
Danny McCullock, DMcCullock@southeast.edu, 402-437-2693

SOUTHEAST NEBRASKA CAREER ACADEMY PARTNERSHIP  
& DUAL CREDIT ADVANTAGE  
CAREER PATHWAYS  
2021-2022

GENERAL EDUCATION LEARNING OUTCOMES (GEOs)  
* Every degree program requires students to build a foundation of  
GEOs aimed to develop knowledge and skills beyond those specific  
to an occupation for academic, personal and social growth. Students  
should contact a program advisor to assist with the selection of GEO  
courses which will meet their program’s graduation requirements.

GEO #1: Oral Communication  
GEO #2: Written Communication  
GEO #3: Critical Thinking & Problem Solving  
GEO #4: Global Awareness and Citizenship  
GEO #5: Analytical, Quantitative, and Scientific Reasoning  
GEO #6: Career and Life Skills

* = Course is offered online.

Please note: not all classes are available every term. Students must check availability in the credit class schedule, www.southeast.edu/classschedules

www.southeast.edu/highschoolstudentprograms
INFORMATION TECHNOLOGY PATHWAY

YEAR 1 - 11TH GRADE

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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</thead>
<tbody>
<tr>
<td>INFO1151 ^</td>
<td>Information Technology Fundamentals (3)</td>
</tr>
<tr>
<td>MATH 1150 ^</td>
<td>College Algebra (GELO #5) (3)</td>
</tr>
</tbody>
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YEAR 2 - 12TH GRADE

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<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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</thead>
<tbody>
<tr>
<td>INFO1281 ^</td>
<td>Networking Concepts (2)</td>
</tr>
<tr>
<td>ENGL 1010 ^</td>
<td>English Composition I (GELO #2) (3)</td>
</tr>
</tbody>
</table>

Scholarship savings: 22 credit hours × $114.00 = $2,508 ÷ 2 = $1,254.

Associate of Applied Science Degree — Computer Information Technology

To complete this degree at SCC:

Courses depend on focus area, plus (GELO #6)

Possible career fields:
Applications Development – computer coding, web development, mobile device programming
Network Management – set-up, maintain, and manage computer networks
Cybersecurity – monitor and manage network security
Computer Support – technical support, help desk.

SCC graduate salary:
Recent graduates report an average starting salary of $48,256 per year (SCC 2020 Graduate Employment Report).

For more information:
Linda Bettinger, 402-437-2490 or 800-642-4075 ext. 2490, lbettinger@southeast.edu or Jo Schuster, 402-437-2492 or 800-642-4075 ext. 2492, jschuster@southeast.edu

GENERAL EDUCATION LEARNING OUTCOMES (GELOs)

* Every degree program requires students to build a foundation of GELOs aimed to develop knowledge and skills beyond those specific to an occupation for academic, personal and social growth. Students should contact a program advisor to assist with the selection of GELO courses which will meet their program’s graduation requirements.

GELO #1: Oral Communication
GELO #2: Written Communication
GELO #3: Critical Thinking & Problem Solving
GELO #4: Global Awareness and Citizenship
GELO #5: Analytical, Quantitative, and Scientific Reasoning
GELO #6: Career and Life Skills

* = Course is offered online.

Please note: not all classes are available every term. Students much check availability in the credit class schedule. www.southeast.edu/classschedules

www.southeast.edu/highschoolstudentprograms
### HEALTH CERTIFICATE PATHWAY

#### CAREER PATHWAY

<table>
<thead>
<tr>
<th>YEAR 1 - 11TH GRADE</th>
<th>YEAR 2 - 12TH GRADE</th>
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</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td><strong>SECOND SEMESTER</strong></td>
</tr>
</tbody>
</table>
| HLTH 1150 Nursing Assistant (4)  
or HLTH 1050 ^  
Dental Terminology (3) (3-4) | HLTH 1350 Nutrition Aide (3.5)  
or HLTH 1450 Therapy Aide (2) (2-3.5) |
| Suggested DC Advantage | Suggested DC Advantage |
| SOCI 1010 ^  
Intro. to Sociology (GEO #4)  
or PSYC 1810 ^  
Introduction to Psychology (GEO #3) (3) | HLTH 1040 Medication Aide (2.5)  
or MEDT 1100 Procedures in Phlebotomy (2) (2-2.5)  
HLTH 1080 EKG Tech (3)  
or HLTH 1090 Personal Care Aide (3.5)  
OR HLTH 1250 Sterile Processing (6) (3.5-6) |
| **9 credits** | **3 credits** |

**Scholarship savings:** 12 credit hours \( \times 114.00 = 1,368 \) \( \div 2 = 684 \).

**To complete this degree at SCC:**

- By successfully completing 12 Health Science hours and three general education hours, you will have earned the Healthcare Services Certificate from SCC.

**Possible career fields:** Nutrition Aide, Personal Care Aide, Nursing Assistant, Medication Aide, Phlebotomist

**SCC graduate salary:** Recent graduates report an average starting salary of $23,899 per year (SCC 2020 Graduate Employment Report).

**For more information:** Jill Sand, jsand@southeast.edu or 402-437-2729

Find out more about the NHA Certified EKG Technician exam at [https://www.nhanow.com/certifications/ekg-technician](https://www.nhanow.com/certifications/ekg-technician)

**Please note:** Students must be 16 years of age at the beginning of HLTH1150, Nursing Assistant to enroll. Employment requirements for HLTH1040, HLTH1080 and MEDT1100 is 18 years of age. Students must be age 17 at time of enrollment in MEDT 1100.

### GENERAL EDUCATION LEARNING OUTCOMES (GELOs)

- **GELO #1:** Oral Communication
- **GELO #2:** Written Communication
- **GELO #3:** Critical Thinking & Problem Solving
- **GELO #4:** Global Awareness and Citizenship
- **GELO #5:** Analytical, Quantitative, and Scientific Reasoning
- **GELO #6:** Career and Life Skills

^ = Course is offered online.

Please note: Not all classes are available every term. Students must check availability in the credit class schedule at [www.southeast.edu/classschedules](http://www.southeast.edu/classschedules).
HEALTH PRE-NURSING PATHWAY

**SOUTHEAST NEBRASKA CAREER ACADEMY PARTNERSHIP**

& DUAL CREDIT ADVANTAGE  |  CAREER PATHWAYS  |  2021-2022

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# GENERAL EDUCATION LEARNING OUTCOMES (GELOs)
- Every degree program requires students to build a foundation of GELOs aimed to develop knowledge and skills beyond those specific to an occupation for academic, personal and social growth. Students should contact a program advisor to assist with the selection of GELO courses which will meet their program’s graduation requirements.

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<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>GELO #1</td>
<td>Oral Communication</td>
</tr>
<tr>
<td>GELO #2</td>
<td>Written Communication</td>
</tr>
<tr>
<td>GELO #3</td>
<td>Critical Thinking &amp; Problem Solving</td>
</tr>
<tr>
<td>GELO #4</td>
<td>Global Awareness and Citizenship</td>
</tr>
<tr>
<td>GELO #5</td>
<td>Analytical, Quantitative, and Scientific Reasoning</td>
</tr>
<tr>
<td>GELO #6</td>
<td>Career and Life Skills</td>
</tr>
</tbody>
</table>

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Please note: not all classes are available every term. Students must check availability in the credit class schedule. www.southeast.edu/classschedules

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### CAREER PATHWAY

**YEAR 1 - 11TH GRADE**

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td>CME 2100</td>
<td>MATH 1150 ^</td>
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<tr>
<td>CME 1220</td>
<td>SPCH 1110 ^</td>
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<tr>
<td>CME 1220</td>
<td>ENGL 1010 ^</td>
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<td>CME 2200</td>
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**YEAR 2 - 12TH GRADE**

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<th>FIRST SEMESTER</th>
<th>SECOND SEMESTER</th>
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</thead>
<tbody>
<tr>
<td>CME 2100</td>
<td>FSDT 1350 ^</td>
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<tr>
<td>CME 1220</td>
<td>SOCI 1010 ^</td>
</tr>
<tr>
<td>CME 2200</td>
<td>PSYC 2960 ^</td>
</tr>
<tr>
<td>CME 1220</td>
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</tbody>
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**Suggested DC Advantage**

General Education Learning Outcomes (GELOs) to meet program requirements

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
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<tbody>
<tr>
<td>MATH 1150 ^</td>
<td>FSDT 1350 ^</td>
</tr>
<tr>
<td>SPCH 1110 ^</td>
<td>PSYC 2960 ^</td>
</tr>
<tr>
<td>ENGL 1010 ^</td>
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</tr>
</tbody>
</table>

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### Scholarship savings:

29.5 credit hours $\times \$114.00 = \$3,363 \div 2 = \$1,681.50.$

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### Prerequisite Courses

To complete this degree at SCC:

These courses are required for many health programs. Work with an SCC advisor to select courses for a pre-health program or degree.

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### Possible career fields:

Take courses and transfer to SCC nursing program or a four-year institution. Check with your receiving institution to see which courses will transfer.

### SCC graduate salary:

- Practical Nursing graduates report an average starting salary of $37,336 per year. Associate Degree Nursing graduates report an average starting salary of $56,160 per year. (SCC 2020 Graduate Employment Report).

### For more information:

Tonya Maloy, tmaloy@southeast.edu, 402-437-2730

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www.southeast.edu/highschoolstudentprograms
This course is designed to provide introductory knowledge of accounting principles, concepts, and practices. Included topics are the balance sheet, the income statement, the statement of owners’ equity, the statement of cash flows, work sheets, journals, ledgers, accruals, adjusting and closing entries, internal controls, inventories, fixed and intangible assets, liabilities, equity, and financial statement analysis. This course provides a foundation for more advanced work in the fields of accounting and business.

A comprehensive introduction to livestock production utilizing current literacy and terminology.

Principles and practices of production of the major agronomic crops of the high plains.

Introduction to agriculture technology applications used for solving agriculture problems with emphasis on logical and systematic decision making. Establishing a basic understanding of technology and how it is used in agriculture.

Principles and practices for the life cycle and care of companion animals which may include nutrient regimes, breed identification, various infections and non-infectious diseases, diagnosis and treatment, anatomy, physiology, parasitic life cycles and internal and external identification, medication requirements for certain problems and the importance of companion animals in contemporary society.

Study of new market opportunities in the agriculture industry. Developing a marketing plan and promotional strategies for agriculture products.

Methods of selection and evaluation of live animals and carcasses. Training in selection of replacement breeding animals. Experience in selection and evaluation of live animals and carcasses for primal cuts within the meat industry.

This course covers fundamental processes of cells and organisms, cell structure genetics, evolution, classification, diversity, and interaction of organisms at the molecular, cellular, organismic, ecosystems, and biosphere level. It is designed as both a course for non-majors and as a foundation course for those planning additional work in biology. Includes a lab.

An introductory plant biology course designed for both non-majors and as a foundation for those planning additional work in biology. Concepts include basic plant anatomy and physiology, plant ecology, and a survey of the plant kingdom with an emphasis on plants grown for human purposes. Scientific inquiry and literacy are central themes to the course, explored through conducting simple experiments with plants in the greenhouse and laboratory. This course includes a mandatory concurrent laboratory component.

ACCT1200 Principles of Accounting I
Prerequisite: Accounting Competency recommended.
This course provides a survey of the survey of the accounting cycle. Topics include the balance sheet, income statement, statement of cash flows, work sheets, journals, ledgers, accruals, adjusting and closing entries, internal controls, inventories, fixed and intangible assets, liabilities, equity, and financial statement analysis. This course provides a foundation for more advanced work in the fields of accounting and business.

AGRI1123 Agriculture Occupation Exploration
Overview of occupations in the field of agribusiness. In-dept exploration of several broad occupational areas and personal interview of at least two agribusiness management level employers.

AGRI1126 Introduction to Livestock Production
A comprehensive introduction to livestock production utilizing current literacy and terminology.

AGRI1131 Crop & Food Science
Principles and practices of production of the major agronomic crops of the high plains.

AGRI1171 Ag Technology
Introduction to agriculture technology applications used for solving agriculture problems with emphasis on logical and systematic decision making. Establishing a basic understanding of technology and how it is used in agriculture.

AGRI1177 Companion Animals
Principles and practices for the life cycle and care of companion animals which may include nutrient regimes, breed identification, various infections and non-infectious diseases, diagnosis and treatment, anatomy, physiology, parasitic life cycles and internal and external identification, medication requirements for certain problems and the importance of companion animals in contemporary society.

AGRI211 Fundamentals of Ag Marketing
Study of new market opportunities in the agriculture industry. Developing a marketing plan and promotional strategies for agriculture products.

AGRI2127 Live Animal Selection & Carcass Evaluation
Methods of selection and evaluation of live animals and carcasses. Training in selection of replacement breeding animals. Experience in selection and evaluation of live animals and carcasses for primal cuts within the meat industry.

BIOS1010 General Biology
This course covers fundamental processes of cells and organisms, cell structure genetics, evolution, classification, diversity, and interaction of organisms at the molecular, cellular, organismic, ecosystems, and biosphere level. It is designed as both a course for non-majors and as a foundation course for those planning additional work in biology. Includes a lab.

BIOS1090 Plant Biology
An introductory plant biology course designed for both non-majors and as a foundation for those planning additional work in biology. Concepts include basic plant anatomy and physiology, plant ecology, and a survey of the plant kingdom with an emphasis on plants grown for human purposes. Scientific inquiry and literacy are central themes to the course, explored through conducting simple experiments with plants in the greenhouse and laboratory. This course includes a mandatory concurrent laboratory component.

BIOS1120 Introduction to Zoology
Prerequisites: BIOS1120
Provides a survey of the animal kingdom. There is an emphasis on form and function, taxonomy, developmental biology, and the diversity of animal life. Laboratory exercises include observations and dissections of selected specimens. Lab is required concurrently.

BSAD1050 Introduction to Business
An introductory study and overview of the role of business in society as well as a discussion of the various disciplines and fields of study which provide an overview of business organization, management, marketing, human resource management, and finance. Also, a study and discussion of various strategies for success of specific public and private firms as well as small business. Business vocabulary used to understand and interpret business news and information.

BSAD2310 Business Ethics
This course explores the challenging world of business ethics. By examining issues and scenarios that relate directly to the work environment, students can develop a clearer sense of how their corporate and personal code of ethics relates to operational decisions made on a daily basis. In addition, the course will allow students to examine their individual ethical standards and how those standards influence personal and work decisions.

BSAD2520 Principles of Marketing
An overview of the development of an effective marketing program including consumer behavior, product, pricing, distribution, and promotional strategies.

BSAD2540 Principles of Management
Introduction to management theory and practice with emphasis on the primary functions of planning, organizing, leading and controlling. Topics will include the ever-changing challenges and opportunities within the management field.

CHEM 1090 General Chemistry I
Prerequisite(s): MATH 1100 or appropriate college level math score
This is the first course of a comprehensive chemistry sequence. Topics include nomenclature, atomic structure, chemical reactions, essentials of bonding, periodic properties, valence Shell Electron Pair Repulsion Theory (VSEPR) modern bonding theories, stoichiometry, thermochemistry, and the chemistry of solids, liquids, gases. Lab must be taken concurrently.

CNST1123 Concrete & Masonry Tools & Materials I
1.5
Theory designed to acquaint the student with materials and techniques for planning, estimating, and constructing masonry and concrete structures. This course includes demonstrations, videos, and clinics emphasizing the best practices in concrete and form work.

CNST1124 Concrete & Masonry Tools & Materials II
1.5
Prerequisites: CNST1123
A continuation of Concrete & Masonry Tools & Material I. Theory designed to acquaint the student with materials and techniques for planning, estimating, and constructing masonry and concrete structures including foundations. Demonstrations, videos, and clinics emphasizing the best practices in concrete and form work.

CNST1125 Concrete & Masonry Applications I
1.5
Co-requisite: CNST1125
Laboratory application in proper use of concrete and masonry tools, materials. Experience in block and brick laying, concrete forming, and reinforcing and finishing. Safety training.

CNST1126 Concrete & Masonry Applications II
1.5
Prerequisite: CNST1125 Co-requisite: CNST1126
A continuation of Concrete & Masonry Applications I. Laboratory application in proper use of concrete and masonry tools, materials. Experience in block and brick laying, concrete forming, and reinforcing and finishing. Safety training.

CNST1226 Construction Tools and Materials I
1.5
Introduction to use and maintenance of hand tools, portable power and stationary lab equipment. New construction methods, materials and concepts. Origin, manufacturing processes, and characteristics and application of materials used in residential and light commercial construction today.

CNST1227 Construction Tools and Materials II
1.5
Prerequisites: CNST1226
A continuation of Construction Tools & Materials I. Introduction to use and maintenance of hand tools, portable power and stationary lab equipment. New construction methods, materials and concepts. Origin, manufacturing processes, and characteristics and application of materials used in residential and light commercial construction today.

CNST1228 Construction Processes & Practices I
1.5
Co-requisite: CNST1228
Introduction to hand tools, construction safety, machine woodworking, modern practices and processes used in the building construction industry. Carpentry techniques, competency in blueprint reading, proper layout practices, parts cutting and assembly procedures.

CNST1229 Construction Processes & Practices III
1.5
Prerequisite: CNST1228 Co-requisite: CNST1227
A continuation of Construction Processes & Practices I. Introduction to hand tools, construction safety, machine woodworking, modern practices and processes used in the building construction industry. Carpentry techniques, competency in blueprint reading, proper layout practices, parts cutting and assembly procedures.

CRIM1010 Introduction to Criminal Justice
3
Provides an overview of the history, development and philosophies of the criminal justice system within America. Areas covered include crime and the criminal justice system, the police, the courts, corrections, and the juvenile justice system.

CRIM1030 Courts & the Judicial Process
3
Surveys the United States judicial system. Topics include, but are not limited to, legal and constitutional concepts, institutions and processes. Coverage includes adult and civil courts.

CRIM2030 Police and Society
3
Examines the role of the police in relationship to law enforcement and American society. Topics include, but are not limited to the role and function of police, the nature of police organizations and police work, and the patterns of police-community relations.

CRIM2100 Juvenile Justice
3
Examines the origins, philosophy, and objectives of the juvenile justice system. Topics include, but are not limited to causation of crime (i.e. race/gender, socioeconomic relevance, victimization), the juvenile court system, the law enforcement approach, corrections, and prevention.

ECEC1120 Preschool Child Development
2
This course focuses on typical / atypical development of the child ages 3 through 5 years, in the domains of physical growth and motor skills, cognition and language, and social/ emotional development.
EDUC1110 Introduction to Professional Education
An overview of education in the United States viewed in terms of history, philosophy, finance and governance. Encourages critical thought regarding the role of education in our multicultural society, the role of the teacher, and educational practices in schools. The course is designed to help students explore education as a prospective career.

ECED1130 Social-Emotional Development and Behavior Guidance
Study the stages of development and the multiple influences that impact social and emotional development of children birth to age eight. Gain an understanding of the adult role in the child's life and a wide range of effective techniques for supporting healthy development. Explore effective methods of guiding behavior and determining appropriate intervention.

ECED1150 Introduction to Early Childhood Education
An overview of early childhood education, history, trends and the philosophies of various programs, diversity, inclusion, licensing standards, current legislation, professionalism and advocacy are examined.

ECED2160 Early Childhood Health, Safety and Nutrition
 Defines interrelationship of safety, nutritional planning & health and how environmental factors affect young lives.

ECED2300 Introduction to Special Education
Prerequisite: EDUC1110
Introduction to the history, legislation, litigation, instruction, and evaluation of exceptional learners. Overview of the development and characteristics of exceptional learners, cultural issues, and collaboration found in K-12 classrooms.

ECED2590 Instructional Technology
This course is an introduction to a variety of technologies and strategies for use in the instructional process to accommodate all learners. The focus will also be on the social, ethical, legal and human issues surrounding the use of technology. NOTE: It is strongly recommended that students complete EDUC1110 prior to taking this class.

ECON1200 Personal Finance
Prerequisite: Math competency recommended. Covers the basic principles needed for effective personal financial management, including the practical applications of money management, budgeting, taxes, credit, insurance, housing, investments, and retirement planning.

ENER1100 Energy Industry Fundamentals
The course content focuses on understanding various types of energy and their conversion to useable energy such as electrical power. How generated electrical power is transmitted and distributed to the point of use. Natural gas transmission and distribution systems are described. Compliance with safety procedures is introduced. Careers in energy industry and entry points are covered. Energy system reliability and governance are explained.

ENER1110 Operator Safety
Operator-based safety topics including: OSHA 10-hour general industry certification, human performance tools, personal protective equipment, ladders, body harnesses, confined space, lock-out/tag-out, GHS, and fire extinguishers. Students will perform a supervised climb with fall-arrest-protection to above 20 feet. This course also provides aerial life and forklift training, arc flash awareness, and industrial accident case studies. Lab must be taken concurrently.

ENER2102 Nuclear Energy
Nuclear energy is a source of power which is created by a nuclear reaction. This course will give the student a basic understanding of the theory and philosophy behind nuclear energy. It will explain the rigors of nuclear culture. The atom and its binding forces will be introduced. Characteristics and properties of the various radiation types will be covered in detail. Nuclear technologies in industry, medicine, and agricultural applications will be discussed.

ENER2130 Green Energy Technologies
This course is an introduction to various green energy technologies including wind, solar, hydro and other types of renewable energy. Topics covered include physics, fluid dynamics, aerodynamics and various solar generation principles. A basic description of wind turbine systems and current and future solar generating systems is included as well as a description of hydroelectric facilities.

ENGL1010 English Composition I
Prerequisite: Appropriate placement score OR grade of "C" or higher in ENGL098 or ENGL099. Composition I offers instructional practice in the techniques of effective writing. The process of planning, writing, revising, and editing essays for particular audiences and purposes and research-related skills are also emphasized.

ENGL2020 English Composition II
Prerequisite: A grade of "C" or higher in ENGL1010. Students will read and analyze various texts and respond with research-based argumentative essays that demonstrate information literacy, critical-reading, and source integration. A significant research project is required.

ENGL2050 Modern Fiction
Prerequisite: A grade of "C" or higher in ENGL1010. Exploration of short fiction and novels from 1900 to the present. Consideration of major literary critical theories and trends through the study of both American and international authors.

ENGL2100 Introduction to Literature
Prerequisite: A grade of "C" or higher in ENGL1010. Introduction to the major genres and conventions associated with literature. Includes fiction, poetry, and drama. By employing critical reading/thinking skills and analytical and creative writing skills, students will understand literature more fully. Exposure to a range of authors representing a variety of cultural and ethnic backgrounds.

ENTR1050 Introduction to Entrepreneurship
The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The student will understand the role of entrepreneurial businesses in the United States and the impact on our national and global economy.

FSOT1010 Introduction to Culinary/Hospitality
Career options, mission statements and the professional organizations associated with the industry. Teaches basic math calculations used in food service, including weights, measures, recipe converting, baker's percentages, ingredients, costing and recipe costing. Course will include work simplification techniques, history of the industry, sociological and other career related topics and portfolio development.

FSOT1030 Guest and Beverage Service
A study of the server's job, types of establishment, and differences of service. Current issues such as embracing diversity, preventing harassment and maintaining a good work place environment, taking reservations, preparing the dining room, greeting and serving the guests to presentation of the check and how to troubleshoot potential problems. Instruction given in responsible alcohol service techniques and to enhance the knowledge of liquor laws. Discussion on how to taste or drink wine, food with wine, purchasing of fresh wine, different varietals, production of wine, beer and spirits, maintenance of alcohol inventories, cost control and profitability.

FOOD1118 Food Purchasing
Study of the principles of purchasing and quantity purchasing of fresh fruits and vegetables, dairy products, cereals, fish, poultry, meat, convenience foods, beverages. Pricing of all food products and recipes. Quality food purchasing practices.

FSOT1350 Basic Nutrition
The study of nutrients, digestion, absorption, metabolism, fitness, consumer concerns, food safety, nutrition throughout the life cycle, including cultural influences on food selection. Nutrition in relation to disease and world hunger is explored.

GEOG1020 World Regional Geography
This course expands students' knowledge of the world through a study of major global regions. It focuses on understanding regional patterns around the world, geographic processes contributing to the character and diversity of regions, and contemporary regional and global issues.

GIS1110 Introduction to Geospatial Technology
Introduction to the fundamentals of Geospatial Technology, including Geographic Information Systems (GIS), Global Positioning Systems (GPS), cartography, and remote sensing, through a series of hands-on computer-based exercises. Students will learn how to utilize geospatial technology to address social and environmental issues.

GIS1120 Spatial Analysis and Modeling
Prerequisite: GIS1110
An introduction to problem-solving and decision-making using geospatial analysis techniques. Students will learn to effectively solve spatial problems and make decisions by working with a variety of data and methods using the spatial analysis tools in ArcGIS software.

GIS1130 Data Acquisition & Management
Prerequisite: GIS1110
A broad overview of the many capabilities of ArcGIS Pro will be explored. Students will receive a diverse sampling of industries, scenarios, and workflows that highlight the functionality of ArcGIS Pro. Students will explore some common geographic data formats used in ArcGIS and learn about sources of data and maps that can be incorporated into ArcGIS. The student will learn the versatility of using geodatabases. The student will demonstrate how to design and build a geodatabase, migrate existing data to a geodatabase and edit data stored in a geodatabase.
GIST1140 GIS Capstone 3
Prerequisite: GIST1110, GIST1120, and GIST1130.
This course employs design principles to create and edit effective visual representations of data in different formats (e.g., hardcopy, digital, web) to complete projects that integrate the knowledge and skills learned in the three prerequisite GIS courses. In the capstone project students will create a project proposal, research design and carry it through to implementation, results, and analysis. Students will use the GIS functionality found within ESRI ArcGIS software as a tool to complete their projects.

GIST1150 Advanced Exploratory GIS 3
Prerequisites: GIST1110, GIST1120, GIST1130
In this course students will explore open source GIS applications, web mapping, collaborative mapping, beginning programming and cutting edge digital mapping in the 21st century.

HIST2010 American History I 3
A survey of American history from the Age of Discovery through the Civil War and Reconstruction. Emphasis is on the political, economic, cultural, social, and technological issues that arise in the development of the American nation.

HIST2020 American History II 3
A survey of American history from the end of the Civil War era to the present. Emphasis is on the political, economic, cultural, social, and technological issues that arise in America’s development as a global power.

HIST2100 World History to 1500 CE 3
Survey of the major political, social, cultural and economic developments of African, American, Asian, European, and Middle Eastern societies from the origins of civilization to the Early-Modern era (1500). Emphasis is placed on the comparison, interaction, and diversity of the world’s major regions. Global Education Student World Denizen Course.

HLTH1040 Medication Aide 2.5
This course prepares participants to assume the role of medication aide in an assisted living and long-term care facility in the State of Nebraska. Successful completion of this course allows you to apply to the state of Nebraska to be placed on the Medication Aide Registry.

HLTH1080 Electrocardiograph (EKG) Technician 3
The Electrocardiograph (EKG) Technician performs electrocardiographs according to physician’s orders and protocols. This course prepares students for the tasks and responsibilities that include: equipment operation, maintaining data reports, performing EKG procedures to assess heart rhythm and rate in patients.

**Please note:** Employment requirements for HLTH1040, HLTH1080 and MEDT1100 are 18 years of age.

HLTH1090 Personal Care Aide 3.5
The Personal Care Aide (PCA) training will prepare students to provide non-medical support services in the homecare and long term care environment. Learn the core competencies to provide care and comfort of disabled, elderly, and chronically ill patients. The course provides behavioral interventions and proactive strategies to assist in daily activities, personal hygiene, and communication with individuals and their families.

HLTH1100 Nutrition for the Healthcare Provider 2
This course focuses on basic concepts of nutrition for students pursuing careers in nursing and other health science fields. Students will explore nutrients, digestion, absorption, metabolism, food safety, nutrition through the life cycle, and cultural influences on food selection. The impact of nutrition on health status and in relation to disease is explored.

HLTH1150 Nursing Assistant 4
Prerequisite: Must be at least 16 years old
Overview of the healthcare system and role of the nursing assistant as a health care team member. Discussions on the concepts of basic human needs, professional behavior, communication, legal/ethical issues, and multicultural diversity. Teaches basic nursing skills including bathing, assisting with dining, ambulating, transferring, and toileting. Included in this course are classroom, nursing lab and clinical experiences in a health care setting. Course is approved by the Nebraska Department of Health and Human Services Regulation and Licensure. Upon successful completion of this course, the student is eligible to test for placement on the Nebraska Nursing Assistant Registry.

**Please note:** Students must be 16 years of age at the beginning of HLTH1150, Nursing Assistant, to enroll.

HLTH1250 Sterile Processing 6
This course teaches students to handle medical equipment and surgical instrumentation in a safe and sanitary manner in order to begin to prepare them for work within a sterile processing department.

HLTH1350 Nutrition Aide 3.5
This course teaches basic nutrition principles as they relate to menu planning, safe food handling and preparation, and fundamental culinary and baking skills such as knife skills, basic food preparation and service, food safety and sanitation, HACCP, and menu planning. Nutrition aides may work in long term care facilities, hospitals, home health care, or assisted living facilities.

HMRS1100 Human Services Concepts 3
An introduction to the theory, practice and trends in the Human Services field including history and standards, theoretical approaches, helping relationship, human systems, diversity, and assessment.

HMRS1100 Communication Skills in Human Services 3
This is an introductory course in basic interpersonal communication skills. Students acquire and demonstrate attending/active listening skills through videotaped role plays, in-class role plays, case studies and other experiential exercises.

HMRS320 Multicultural Competency 3
Understanding of self in viewing culture, including dominant and non-dominant culture, power, and privilege. Overview of various cultures and groups.

HMRS335 Multicultural Counseling 3
Understanding of cultural sameness and differences, and effect on human experience. Historical, political, social, and economic influences. Special

HMRS2360 Gender and Society 3
Historical and contemporary gender and society topics will be explored. The course will also examine the complexity and diversity of gendered experiences in terms of race and ethnicity, cultural context, social class, sexual orientation, and physical ability/disability.

HORT1120 Introduction to Horticulture 3
Introductory course designed to feature basic aspects and techniques of the horticulture industry. Emphasis will be placed on making the student aware of the different fields with the industry and the proper growing environment for indoor and outdoor horticulture crops.

HORT1136 Plant Propagation 2
Introductory study of plant propagation and reproduction. Areas of focus include vegetative reproduction, cross pollination and grafting procedures.

HORT1154 Greenhouse Management 2
Study of greenhouse operations including ventilation, lighting, and temperature control.

HORT2116 Horticulture Business Management 3
Introduction to management principles in horticulture. Various topics will be discussed that are crucial to the management of a horticultural based business. Students will discuss the start-up of a horticultural based business and the financial knowledge needed to run such a business.

INFO1151 Information Technology Fundamentals 3
This course covers the fundamentals of computer concepts and terminology for desktop and mobile devices. Topics include hardware components, software overview, business and social aspects of computers, and Internet research.

INFO1171 PC Operating Systems 3
An introduction to features and capabilities of both Microsoft Windows and Linux operating systems, including GUI organization and file management. The course includes extensive use of command line interfaces.
### 2021-2022 - COURSE DESCRIPTIONS - Listed in alphabetical order by prefix.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*INFO1214</td>
<td>Programming Concepts</td>
<td>Co-requisite(s): INFO1151, INFO1171</td>
<td>2</td>
</tr>
<tr>
<td>*INFO1281</td>
<td>Networking Concepts</td>
<td>Co-requisite(s): INFO1151, INFO1171</td>
<td>2</td>
</tr>
<tr>
<td>MATH1020</td>
<td>Technical Math</td>
<td>Prerequisite(s): A grade of &quot;C&quot; or higher in MATH 0950 or a grade of &quot;B&quot; or higher in MATH 0953 or appropriate score on the math placement test</td>
<td>3</td>
</tr>
<tr>
<td>MATH1150</td>
<td>College Algebra</td>
<td>Prerequisite(s): A grade of &quot;C&quot; or higher in MATH 1103</td>
<td>3</td>
</tr>
<tr>
<td>MATH1200</td>
<td>Trigonometry</td>
<td>Prerequisite(s): A grade of &quot;C&quot; or higher in MATH 0950 or a grade of &quot;B&quot; or higher in MATH 0953 or appropriate score on the math placement test</td>
<td>3</td>
</tr>
<tr>
<td>MATH1500</td>
<td>Analytic Geometry &amp; Calculus I</td>
<td>Prerequisite(s): A grade of C or higher in MATH150 or appropriate placement score, MATH 1100, or MATH 1103</td>
<td>5</td>
</tr>
<tr>
<td>MATH1600</td>
<td>Analytic Geometry &amp; Calculus II</td>
<td>Prerequisites: A grade of C or higher in MATH150 and MATH1200 or a C or higher in MATH1300 or appropriate placement score. This course is a study of analytical geometry and single variable calculus. Topics include limits, continuity, derivatives, applications of derivatives, integrals, and applications of integrals.</td>
<td>5</td>
</tr>
<tr>
<td>MATH1700</td>
<td>Calculus &amp; Analytic Geometry II</td>
<td>Prerequisite: A grade of &quot;C&quot; or higher in MATH1600 or equivalent. Continuation of MATH1600. Study of antiderivatives, methods of integration; numerical methods; conics, conic sections, and conics, differential equations, Taylor series, and an introduction to differentiation and integration of vector valued functions. A graphing calculator or use of mathematical software may be required.</td>
<td>5</td>
</tr>
<tr>
<td>MATH2170/BSAD2170</td>
<td>Applied Statistics</td>
<td>Prerequisites: A grade of &quot;C&quot; or higher in a grade of &quot;C&quot; or higher in MATH 1100 or a grade of &quot;B&quot; or higher in MATH 1103 or appropriate score on the math placement test. The course is an introduction to basic probability and statistical methods that are used in a wide variety of disciplines. Topics include descriptive statistics, probability foundations, probability distributions, sampling distributions, methods of statistical inference, and bivariate relationships.</td>
<td>3</td>
</tr>
<tr>
<td>MEADA1101</td>
<td>Basic Medical Terminology</td>
<td>A basic study of word parts, medical terms, and abbreviations as it pertains to all of the body systems.</td>
<td>1.5</td>
</tr>
<tr>
<td>MEDT1100</td>
<td>Procedures in Phlebotomy</td>
<td>Introduction to the principles and skills needed to safely perform venipuncture and capillary blood collection techniques and special collection procedures. Quality assurance procedures pertaining to collection and transport of specimens, laboratory safety, ethical and legal issues pertaining to phlebotomy, and anatomy and physiology of cardiovascular system included. Supervised instruction and experience in collection techniques in lab. <strong>Please note:</strong> Must be age 17 to enroll. Employment requirements for HLTH1040, HLTH1080 and MEDT1100 is 18 years of age.</td>
<td>2</td>
</tr>
<tr>
<td>MUSC1010</td>
<td>Introduction to Music (Mozart)</td>
<td>An introduction and overview of the history of Western art music, from the Middle Ages to modern times. Includes the elements of music, historical style periods, and major composers and selected works. *Global Education Student World Denizen Course</td>
<td>3</td>
</tr>
<tr>
<td>MUSC2870</td>
<td>History of Rock Music</td>
<td>Explores how cultural, social, political and economic conditions have shaped rock music's evolution. Familiarizes the student with the history of rock music from its origins in Blues through contemporary rock styles. Prominent players and groups of each era will be covered as well as sociological, economical and cultural factors that shaped the many styles of rock music. Extensive classroom listening will enhance the student's learning experience.</td>
<td>3</td>
</tr>
<tr>
<td>PHI2610/REL2610</td>
<td>Comparative Religions</td>
<td>Prerequisite(s): Eligible for ENGL 1010. This course will offer a cross-cultural introduction to the world's major religious / philosophical traditions or faith systems through a comparison of historical origins, rituals, beliefs, practices, workflows, original religious texts and other important sources. Interdisciplinary approach to study of religion and various approaches to study of religious systems. *Global Education Student World Denizen Course</td>
<td>3</td>
</tr>
<tr>
<td>POL1000</td>
<td>American Government</td>
<td>A study of the functioning of the American political system through an analysis of its underlying theories.</td>
<td>3</td>
</tr>
<tr>
<td>PSYC250</td>
<td>Interpersonal Relations</td>
<td>Personal development and adjustment, self-esteem building, values clarification and decision-making, interpersonal communication skills, appreciation of diversity, development of healthy personal and professional relationships.</td>
<td>3</td>
</tr>
<tr>
<td>*PSYC1810</td>
<td>Introduction to Psychology</td>
<td>An introduction to the science of psychology including the application of critical thinking to the study of learning theory, memory, personality, growth and development, biological and neurological aspects, abnormal behavior, therapies, intelligence, motivation, emotion, sensation, perception, and theoretical perspectives.</td>
<td>3</td>
</tr>
<tr>
<td>PSYC2960</td>
<td>Life-span Human Development</td>
<td>Prerequisite(s): PSYC 1810 Integration of the basic concepts and principles of physical, cognitive and psychosocial development at each major stage of life. Provides an essential background for students in psychology, nursing, education, social welfare and home economics; for workers in community service; and for parents and prospective parents. *Global Education Student World Denizen Course.</td>
<td>3</td>
</tr>
<tr>
<td>*SOC1010</td>
<td>Introduction to Sociology</td>
<td>Introduction to the basic principles of sociology, including the study of sociological research, theoretical perspectives, culture, socialization, social structure, social institutions, deviation, inequalities of class, race/ethnicity, gender, and age, as well as stratification, demography, and population.</td>
<td>3</td>
</tr>
<tr>
<td>*SOC1210</td>
<td>Issue of Unity and Diversity</td>
<td>This course will help students increase awareness and sensitivity of commonalities and differences among people and acquire knowledge of minority group issues and challenges. The course will prepare students to more critically, actively, and effectively participate in an increasingly diverse and global society. *Global Education Student World Denizen Course</td>
<td>3</td>
</tr>
<tr>
<td>*SPCH1110</td>
<td>Public Speaking</td>
<td>This course will enable students to master the skills required of speaking in today's workplace and society. This course will focus on the organization, preparation, research, and evidence needed for a presentation that is tailored to fit the audience. This course will also enhance the students’ listening skills which will assist them in everyday situations.</td>
<td>3</td>
</tr>
<tr>
<td>WELD1101</td>
<td>SMAW</td>
<td>Study of Shielded Metal Arc Welding theory, safety, applications, procedures, and welding practices. Beginning welding of carbon steel on various joints and with various electrodes. Explanation of safe operation and proper use of equipment, power tools and hand tools.</td>
<td>3.5</td>
</tr>
<tr>
<td>WELD1107</td>
<td>OXY Fuel &amp; Plasma Cutting</td>
<td>Theory, safety, equipment and applications of the Oxyacetylene Welding and cutting Process. Laboratory exercises with the Oxyacetylene Welding, Brazing Welding, Oxyacetylene Cutting and related processes. Theory of Plasma Arc Cutting process and advanced laboratory exercises to include the use of automated equipment.</td>
<td>3.5</td>
</tr>
<tr>
<td>WELD1109</td>
<td>SMAW II</td>
<td>Intermediate welding of carbon steel with the Shielded Metal Arc Welding process on various configurations and positions with various electrodes.</td>
<td>3</td>
</tr>
<tr>
<td>WELD1123</td>
<td>GMAW</td>
<td>Study of Gas Metal Arc Welding theory, safety, applications, manipulative skills, welding principles, and procedures. Study and use of various filler wires and shielding gases and welding power source set-up. Beginning welding of carbon steel with the Gas Metal Arc Welding process on various joint configurations.</td>
<td>3.5</td>
</tr>
<tr>
<td>WELD2310</td>
<td>FCAW</td>
<td>Prerequisite(s): WELD 1122 Theory and laboratory exercises using the Flux Cored Arc Welding process in the flat, horizontal, vertical and overhead positions.</td>
<td>2</td>
</tr>
</tbody>
</table>

Please note that many SCC courses are offered in a variety of formats including face-to-face, online, and hybrid (50% or more face-to-face classroom instruction plus 50% or less online). See the Credit Class Schedule or the course listings on WebAdvisor each term for details on the method of delivery. *Global Education Student World Denizen Course. *Course offered online.

Access SCC’s catalog at [www.southeast.edu/collegecatalog](http://www.southeast.edu/collegecatalog)
AGRICULTURE, FOOD, AND NATURAL RESOURCES

AGRI-1123  Ag Occupation Exploration .............................................011009
AGRI-1126  Introduction to Livestock ..................................................011005
AGRI-1131  Crop & Food Sciences ..........................................................014000
AGRI-1171  Ag Technology .................................................................NDCTE
AGRI-1177  Companion Animals ............................................................011006
AGRI-1211  Fundamentals of Ag Marketing .........................................011011
AGRI-1257  Live Animal Selection & Carcass Evaluation .....................011005
HORT-1130  Introduction to Horticulture ..............................................011007
HORT-1136  Plant Propagation ...............................................................011007
HORT-1154  Greenhouse Management ....................................................NDCTE
HORT-1216  Horticulture Business Management ................................NDCTE

ARCHITECTURE & CONSTRUCTION

CNST-1123/1124  Concrete & Masonry Tools & Material I & II ............NDCTE
CNST-1125/1126  Concrete & Masonry Applications I & II ....................NDCTE
CNST-1226/1227  Tools & Materials II & II ..........................................100100
CNST-1228/1229  Construction Processes & Practices II .....................100120

BUSINESS, MANAGEMENT AND ADMINISTRATION

ACCT-1200  Principles of Accounting I ..................................................030302
BSAD-1050  Introduction to Business ...................................................032400
ENTR-1050  Introduction to Entrepreneurship ....................................032600
BSAD-2520  Principles of Marketing .....................................................038201
BSAD-2540  Principles of Management ................................................032802
BSAD-2310  Business Ethics ...............................................................NDCTE

CULINARY

FSDT-1010  Intro to Culinary/Hospitality ...............................................370010
FSDT-1118  Food Purchasing ..............................................................NDCTE

EDUCATION & TRAINING

EDUC-1110  Introduction to Professional Education ............................350010
EDUC-2300  Introduction to Special Education ....................................NDCTE
EDUC-2590  Instructional Technology ....................................................NDCTE

ENERGY & ENGINEERING

ENER-1100  Energy Industry Fundamentals ........................................100407
ENER-1110  Operator Safety .................................................................NDCTE
ENER-2102  Nuclear Energy .................................................................NDCTE
ENER-2130  Green Energy Technologies ..............................................100408

FINANCE

ECON-1200  Personal Finance ...............................................................033000

GIS

GIST-1110  Introduction to Geospatial Technology .............................NDCTE
GIST-1120  Spatial Analysis and Modeling ...........................................NDCTE
GIST-1130  Data Acquisition & Management .......................................NDCTE
GIST-1140  GIS Capstone .................................................................NDCTE

HUMAN SERVICES

FSDT-1350  Basic Nutrition .................................................................090116
PSYC-2960  Life-Span Human Development .......................................090123
PSYC-1250  Interpersonal Relations ....................................................090116
ECED-1120  Preschool Childhood Development ................................090119
ECED-1810  Psychology .................................................................151200
SOCI-1010  Sociology .................................................................151300
ECED-1150  Introduction to Early Childhood Education .................090121
ECED-1260  Early Childhood Health, Safety & Nutrition ..................NDCTE
ECED-1130  Social-Emotional Development & Behavior Guidance ....NDCTE
HMRSH-1101  Human Services Concepts ...........................................NDCTE
HMRSH-1100  Communication Skills in Human Services ...................NDCTE
HMRSH-1320  Multicultural Competency ...........................................NDCTE
HMRSH-1330  Multicultural Counseling .............................................NDCTE
HMRSH-2360  Gender and Society ......................................................NDCTE

INFORMATION TECHNOLOGY

INFO-1151  Information Technology Fundamentals .........................270504
INFO-1171  PC Operating Systems .....................................................270606
INFO-1214  Programming Concepts ..................................................270403
INFO-1218  Networking Concepts ....................................................270601

LAW, PUBLIC SAFETY CORRECTIONS & SECURITY

CRIM-1010  Introduction to Criminal Justice ...................................390015
CRIM-2100  Juvenile Justice ..............................................................NDCTE
CRIM-2030  Courts & the Judicial Process ...........................................390025
CRIM-2100  Police & Society ..............................................................390026

MANUFACTURING

WELD-1101  SMAW I .................................................................NDCTE
WELD-1107  Oxyacetylene Fuel & Cutting ........................................016004
WELD-1109  SMAW II .................................................................101940
WELD-1123  GMAW I .................................................................101930
WELD-2310  FCAW .................................................................NDCTE

For a complete list of Course Codes and Clearing Endorsements visit https://cestandards.education.ne.gov/Courses/NCE_CourseCodes_20202021.pdf

For more information on careers in Nebraska, go to www.nebraskacareerconnections.org.
For more information or to request reasonable accommodations, please visit www.southeast.edu/accommodationsresourceoffice for accommodations through SCC.

Students can contact the SENCAP/Dual-Credit Coordinator working with their school to apply if they:
• Students who are expecting a child
• Students who have or have had an IEP or 504 Plan in high school
• Students who experience a disability

If you meet any of the following criteria, you may qualify for accommodations:
• Students who experience a disability
• Students who have or have had an IEP or 504 Plan in high school
• Students who are expecting a child

Students can contact the SENCAP/Dual-Credit Coordinator working with their school to apply for accommodations through SCC.

For more information or to request reasonable accommodations, please visit www.southeast.edu/accommodationsresourceoffice.

The Accommodations Resource Office (ARO) helps students set up accommodations while enrolled in classes at Southeast Community College.

Students who are involved with the Individualized Education Program (IEP) at their high school need to apply at SCC for accommodations for their college classes.

It is important to point out that a High School IEP or 504 plan does not apply to the College classes that a student takes at SCC through the SENCAP program.

If you meet any of the following criteria, you may qualify for accommodations:
• Students who experience a disability
• Students who have or have had an IEP or 504 Plan in high school
• Students who are expecting a child

Students can contact the SENCAP/Dual-Credit Coordinator working with their school to apply for accommodations through SCC.

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The mission of Southeast Community College is to empower and transform its students and the diverse communities it serves. The College provides accessible, dynamic, and responsive pathways to career and technical, academic transfer, and continuing education programs. Student success and completion is maximized through collegiate excellence, exemplary instruction, comprehensive student support services, enrichment programs, and student-centered processes. SCC is committed to a proactive and evidence-based approach that continually assesses and responds to student, community, and employer demand for higher education.
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- McCool Junction
- Seward
- York

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Phone: 402-437-2859, FAX: 402-323-3420

Participating Schools in our 15-County Service Area

Southeast Community College has campuses in Beatrice, Lincoln and Milford with Learning Centers in Falls City, Hebron, Nebraska City, Plattsmouth, Wahoo, and York.

www.southeast.edu/SENCAP

A0159 (03/21)