Health Care Science Certificate (HS21)
*Offered at the Clarkesville, Blairsville, and Currahee Campuses*

(BIOL and CHEM courses are offered only at the Clarkesville Campus)

Entrance Dates: Fall, Spring, Summer
Length of Program: 3 Terms
Credit Hours Required for Graduation: 33

Purpose: The Health Care Science certificate program provides academic foundations at the degree level in communications, mathematics, and human relations, as well as technical fundamentals. Program graduates are trained in the underlying fundamentals of health care delivery and are well prepared for subsequent upward mobility.

Admission Requirements:
- Age 17 or older
- High school diploma or GED
- Completion of application process including placement test; or provide SAT or ACT scores less than five years old
  
(Note: Appropriate placement scores for degree-level courses are higher than for diploma- or certificate-level courses)

Program Requirements:
- Must meet the technical competencies (listed below) of the program prior to entry.
- Must maintain a GPA of 2.0 or better; a grade of “C” or better must be achieved in each course in order to progress to the next semester of the program.
- Must carry professional liability insurance while enrolled in program.

<table>
<thead>
<tr>
<th>Program Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTS 1101 Art Appreciation</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MUSC 1101 Music Appreciation</td>
<td>(3)</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>ENGL 2130 American Literature</td>
<td>(3)</td>
</tr>
<tr>
<td>COLL 1010 College and Career Success Skills</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1101 Composition and Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1101 Mathematical Modeling</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MATH 1111 College Algebra</td>
<td>(3)</td>
</tr>
<tr>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>MATH 1127 Introduction to Statistics</td>
<td>(3)</td>
</tr>
<tr>
<td>PSYC 1101 Introductory Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

*Select one of the following tracks:*

**Nursing**
- BIOL 2113 Anatomy and Physiology I | 3
- BIOL 2113L Anatomy and Physiology I Lab | 1
- BIOL 2114 Anatomy and Physiology II | 3
- BIOL 2114L Anatomy and Physiology II Lab | 1
- BIOL 2117 Introductory Microbiology | 3
- BIOL 2117L Introductory Microbiology Lab | 1
- ENGL 1102 Literature and Composition | 3
- PSYC 2103 Human Growth and Development | 3

**Clinical Laboratory**
- BIOL 2113 Anatomy and Physiology I | 3
- BIOL 2113L Anatomy and Physiology I Lab | 1
- BIOL 2114 Anatomy and Physiology II | 3
- BIOL 2114L Anatomy and Physiology II Lab | 1
CHEM 1211  Chemistry I  3
CHEM 1211L  Chemistry I Lab  1
OR
CHEM 1151  Survey of Inorganic Chemistry  (3)
CHEM 1151L  Survey of Inorganic Chemistry Lab  (1)
ENGL 1102  Literature and Composition  3

Estimated cost of books and supplies for full program is approximately $1,000-$1,500 dependent upon program track.

Technical Competencies:

Working Environment – Works inside well-lighted, ventilated patient care areas; spends 89-90% of time in patient care areas. Potential risks may include possibly receive cuts and infections from sharp instruments and infections from contaminated equipment and personnel; possibly be exposed to communicable diseases; and possibly incur strains due to handling heavy equipment.

OSHA Risk Factor-Category I – A chance of exposure to blood and other body fluids is high dependent upon the chosen program track. The course exposes the student to noxious smells, either toxic or non-toxic; to toxic fumes, gases, vapors, mists, and liquids; or to latex which could, depending on the chemical, cause general or localized disabling conditions as a result of inhalation, ingestion, or action on the skin. HBV vaccination is recommended prior to clinical.

Essential Abilities – This position involves primarily medium work which requires frequent lifting, carrying, pushing and pulling of objects or equipment. Individuals enrolled in the program will need the physical ability to assist in lifting and carrying objects, such as patients or laboratory equipment, regardless of the weight of the patient or equipment. Stooping, kneeling, reaching, and dexterity are required. This career requires frequent sitting, standing, and/or walking without limitations. Ability to identify, assess, and comprehend conditions surrounding patient situations for the purpose of problem-solving around patient conditions and coming to appropriate conclusions and/or course of action. Ability to use the senses of seeing, hearing, touching, and smelling to make correct judgments regarding patient conditions for the purpose of demonstrating competence to safely engage in the practice of healthcare. Behaviors that demonstrate essential neurological functions include, but are not limited to, observation, listening, understanding relationships, writing, and psychomotor abilities. The ability to see and obtain impressions through the eyes of shape, size, distance, motions, or other characteristics of objects is required. This requires a visual acuity of 20/20 vision, with clarity of vision of 20 inches or less, depth perception, four-way field vision, sharp eye focus, and the ability to identify and distinguish color. The ability to hear is essential along with the ability to communicate effectively with fellow students, faculty, patients, and all members of the health care team. Skills include verbal, written, and nonverbal abilities consistent with effective communication. Expressing or exchanging ideas by the spoken word is required.