Degree Programs, p. 10

Jefferson College of Health Sciences offers the following degree programs:

**Graduate Programs**
Master of Healthcare Administration  
Master of Science in Nursing  
Master of Science in Occupational Therapy  
Master of Science in Physician Assistant

**Graduate Certificate**
Biology  
Healthcare Administration

**Baccalaureate Programs**
Bachelor of Science in Biomedical Sciences  
Bachelor of Science in Emergency Services  
Bachelor of Science in Health and Exercise Science  
Bachelor of Science in Health Sciences  
Bachelor of Science in Healthcare Management  
Bachelor of Science in Health Psychology  
Bachelor of Science in Medical Laboratory Science  
Bachelor of Science in Nursing  
Bachelor of Science in Respiratory Therapy

**Associate Programs**
Associate of Science in Science  
Associate of Applied Science in Occupational Therapy Assistant  
Associate of Applied Science in Physical Therapist Assistant  
Associate of Applied Science in Respiratory Therapy  
Associate of Applied Science in Surgical Technology

**Undergraduate Minors**
Biology  
Exercise Science  
Healthcare Humanities  
Healthcare Organization Management  
Health Promotion  
Health Sciences  
Psychology  
Public Health

**Undergraduate Certificate**
Medical Laboratory Science
**Advanced Placement Policies, p. 28**

The Registrar is responsible for the review, evaluation and granting of advanced placement credit. For advanced placement information regarding individual programs, refer to the advanced placement policies listed under the individual program headings in this catalog.

**Advanced Placement Credit**
Students who have completed advanced work in high school and have taken the Advanced Placement (AP) tests given by the College Board may be awarded college credit for designated subjects, provided their AP test score is 3 or above.

**International Baccalaureate Credit**
Students who have a core of 4 or higher on the International Baccalaureate (IB) examination and a score of 5 or higher on the IB higher-level examination may be awarded college credit for designated subjects.

**Credit by Exam (CLEP and DANTES)**
Jefferson College of Health Sciences participates in the College-level Examination Program (CLEP), a national program sponsored by the College Entrance Examination Board, and the Defense Activity for Non-Traditional Education Support (DANTES).

The CLEP and DANTES examinations offer any student an opportunity to earn college credit for college-level achievement acquired outside the conventional classroom. The student should contact the Registrar for a list of approved CLEP and DANTES examinations.

The following policies apply to the use of CLEP and DANTES examinations at Jefferson College of Health Sciences:

1. No more than 18 semester hours may be satisfied through CLEP/DANTES examinations.

2. CLEP/DANTES credit will not be awarded for courses in which the student has previously received a grade below “C” at either Jefferson College of Health Sciences or elsewhere.

3. Official results must be submitted by the College Entrance Examination Board (CEEB) to the Registrar’s Office to be considered for CLEP credit at JCHS. Official results from the Chauncey Group International must be submitted to be considered for DANTES credit.

4. The Registrar will coordinate the determination and award of CLEP/DANTES credit.

5. The CLEP/DANTES credit is treated the same as transfer credit and is not computed in the Grade Point Average.

6. Unsatisfactory scores will not be recorded on the student’s transcript.
7. The minimum score accepted for CLEP is 50 and reflects the recommendations of the American Council on Education.

The minimum score for DANTES varies based upon the recommendations from the Chauncey Group International. The Registrar maintains a list of these scores.

**Challenge Exams for General Education Courses**

1. Students wishing to take a challenge exam should contact the Registrar’s office for availability and scheduling.

2. The student who fails a course cannot challenge that same course.

3. The student may challenge a course only once.

4. The student must attain a passing score.

5. The student is responsible for paying test fees as well as fees for College credit if he/she passes the examination. (see the “Bursar’s office” section of this catalog.)

6. Students wishing to undertake a challenge exam must schedule the examination with the program responsible for the course with the program secretary.

7. Credit by exam will not count toward financial aid hours and cannot be used to defer loans.

**Assessment/ Outcomes Policy, p. 30**

To assist the College with continuous self-evaluation, students and alumni will be asked to participate in various assessment activities, including, but not limited to, answering survey questions, taking standardized and College-prepared tests, and submitting portfolios of documents from coursework. Some of these activities will be required and some may be voluntary.

JCHS periodically reviews samples of student work to ensure that the curriculum leads to attainment of student learning outcomes. All student work is subject to review by the Institutional Student Learning Outcomes Committee (ISLOC). Student names are not included on any reviewed work in order to ensure anonymity. This review will not affect student grades or progression.

**Calculating Grade Point Average, p. 31**

The grade point average (GPA) is used to determine the Dean’s List, the President’s List, Graduation Honors, Academic Probation, and College Dismissal. It is the student’s responsibility to determine if his or her cumulative GPA is accurate and to report any discrepancy to the Registrar.
To calculate GPA, divide the total number of quality points by the total number of graded credit hours attempted. When calculating graded credit hours attempted, pass/fail courses are not included.

Previous courses transferred to the College and courses numbered 000 to 099 are not included in GPA calculations.

Quality points are calculated by multiplying the credit hours in a course by the grade value: A=4, B=3, C=2, D=1, F=0.

Example of GPA Calculation:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credits</th>
<th>X</th>
<th>Quality Points</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 211</td>
<td>B</td>
<td>4</td>
<td>X</td>
<td>3</td>
<td>12</td>
</tr>
<tr>
<td>BUS 111</td>
<td>F</td>
<td>1</td>
<td>X</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>ENG 111</td>
<td>A</td>
<td>3</td>
<td>X</td>
<td>4</td>
<td>12</td>
</tr>
<tr>
<td>GEN 100</td>
<td>A</td>
<td>1</td>
<td>X</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>HLT 215</td>
<td>B</td>
<td>3</td>
<td>X</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td>PSY 101</td>
<td>D</td>
<td>3</td>
<td>X</td>
<td>1</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Credits | 15 |
| Total Quality Points | 40 |

Total Quality Points (40) divided by Credits Attempted (15) = 2.667

Course Delivery Methods, p. 33 (replaces Online Learning)

Jefferson College of Health Sciences offers high-quality courses in classroom, online, hybrid, and experiential formats that are consistent in rigor while also accommodating scheduling and location constraints. For specific requirements, students should contact the course instructor.

Classroom Courses
Classroom courses meet on the JCHS campus (or in otherwise designated locations). Classroom courses do not have a letter designation before the section number.

Online & Hybrid Courses
Online and hybrid courses may utilize multi-modal methods of teaching and student interaction intended to encourage a high level of student commitment and engagement. Online courses (designated by “D”) take place exclusively online. Hybrid courses (designated by “S”) require both online and in-class participation.
**Experiential Courses**
Experiential instruction provides supervised development and application of learned skills in varying environments in the form of lab courses (designated by “L”), clinical courses (designated by “C”), and internship courses (designated by “I”).

**Graduation Honors, p. 39**

To graduate with honors, a student must achieve the following final cumulative grade point average at Jefferson College of Health Sciences.

*Cum laude*
Any student who has completed a degree program of study at Jefferson College of Health Sciences with a final cumulative Grade Point Average of 3.400 to 3.599 will be designated as graduating cum laude.

*Magna cum laude*
Any student who has completed a degree program of study at Jefferson College of Health Sciences with a final cumulative Grade Point Average of 3.600 to 3.799 will be designated as graduating magna cum laude.

*Summa cum laude*
Any student who has completed a degree program of study at Jefferson College of Health Sciences with a final cumulative Grade Point Average of 3.800 to 4.000 will be designated as graduating summa cum laude.

**Graduation Requirements, p. 39**

A student is eligible for graduation when the following criteria have been met:

- All professional courses must be completed at Jefferson College of Health Sciences unless exceptions are permitted by the appropriate Program Director.

- To earn an undergraduate degree, the student must complete a minimum of 25% of the program of study at Jefferson College of Health Sciences. Individual programs may require additional coursework to be completed at Jefferson College of Health Sciences; the number and nature of credit hours is determined by each program.

- The minimum number of course credit hours prescribed in the chosen program of study must be successfully completed with a cumulative 2.0 GPA or better.

- All professional courses must be completed with a minimum grade of “C” or equivalent.

- The Application for Graduation and the Student Exit Form must be completed and returned to the Registrar’s Office.
• All specific program requirements must be satisfied and the appropriate instructional authority in the curriculum must recommend the student for graduation.

• All financial obligations to the College must be met.

A student can meet graduation requirements at any time, but degrees will be conferred only at commencements. Date and time of commencement is determined by the College.

**Honor Code: Community Values and Standards, p.40 (Replaces Academic Honor Code and Personal Integrity, p. 27)**

Honor Code: I will not cheat, lie, or steal nor tolerate those who do.

Every member of the JCHS Community is responsible for upholding our values and standards. Faculty will include a statement regarding the Honor Code in their expanded syllabi.

It is everyone’s responsibility to know what constitutes a violation of the Honor Code. Students who violate the Honor Code may receive a failing grade for the assignment or the course. They will not be granted a grade of “W” in the course and may, depending on the nature of the offense, be suspended or permanently dismissed/expelled. The College reserves the right to deny admission to or remove students from any program if they have a record of misconduct or demonstrate behavior that would jeopardize their professional performance.

Students should see the relevant sections in the *JCHS Student Handbook*.

**Military Policy, p. 42**

Active Duty:

1. **Purpose**: This policy applies to all enrolled students voluntarily or involuntarily called to active duty for a specified or indefinite period of time. In accordance with the Virginia Tuition Relief, Refund and Reinstatement Guidelines set forth by the State Council of Higher Education (SCHEV), the following definition of service applies: "Service in the uniformed services" means service (whether voluntary or involuntary) on active duty in the Armed Forces, including such service by a member of the National Guard or Reserve, for a period of more than 30 days under call or order to active duty of more than 30 days.

2. **Withdrawing from Courses**: Students currently enrolled have two options from which to choose based on the timeframe in which the activation is initiated. A. **Between the Add/Drop Deadline and the Last Day to Withdraw with a W**: If the activation takes place during this interval the student may withdraw from some or
all courses with a non-punitive grade of "W", tuition refunded at 100% for withdrawn courses, and housing pro-rated based on published fees.

B. After the Last Day to Withdraw with a W:
If the activation takes place late in the semester, the student and the instructor may make appropriate arrangements to complete a course. Such courses will be awarded an Incomplete grade subject to satisfactory and timely completion of course requirements. This option will be administered on a case-by-case basis by Program Directors, dependent upon the feasibility of completing course work and accommodation of arrangements with the appropriate faculty members. Courses less than two-thirds completed normally will not be considered for this option. Instructors must submit to the Registrar a “Request for Incomplete Semester Grade." If this Incomplete Semester Grade option is chosen, no reimbursement of tuition or fees will be provided. Housing refund will be pro-rated based on published fees.

Otherwise, the student may receive an Administrative Withdrawal from the Dean for Academic Affairs with non-punitive grades of “WA”, tuition reimbursed at 100% for withdrawn courses, and a pro-rated housing refund.

3. Procedure for Exiting the College
A. Current Students: Upon notification of activation, students should report to the Registrar’s Office with the official orders or contact information of where orders can be verified. Students will be advised of the process and procedures for exit.

B. Admitted and Deposited Students Not Yet Attending: Upon notification of activation, students should contact the Admissions Office with the official orders or contact information of where orders can be verified.

4. Reimbursement Policy
Any student enrolled in a given semester who is called to active duty (as verified through official individual orders) may choose to complete some or all of the courses and receive grade(s), or withdraw from one or more courses with non-punitive grades assigned. Reimbursement of tuition will be provided as follows:
A. Students who choose to earn grades and/or incompletes—No reimbursement will be given.
B. Students who withdraw--Reimbursement of tuition will be at 100% of the course with housing fees pro-rated based on the date of exit.

5. Readmission
A. Return from Leave Time Limit: Students activated while a full-time student at JCHS will have five years from the completion of their active duty assignment to return to JCHS to fulfill their degree requirements. Students are reminded,
however, that they are still responsible to fulfill all institutional obligations and meet all policies.

B. **Program of Study:** Students who leave JCHS under active duty orders will return to their original program provided that the program is still offered at the College. In cases where the program is no longer offered, the student will work with the Dean for Academic Affairs to establish the guidelines, requirements, and program substitutions necessary to complete the remaining requirements of a mutually agreeable program.

C. **Resources:** Upon return to JCHS, additional resources will be made available to assist with program completion.

6. **Procedure for Readmission:**
A. Upon determination of when the student wishes to return to JCHS, the student must notify the Admissions Office, and complete all health records and clinical rotation requirements in accordance with college policy.
B. Once notification has been presented by the student; the Admissions Office will review the file to determine if additional information is required.
C. Readmission will be processed beginning the start of the next scheduled full-time semester. A student will return under the same status and conditions in effect at the time of departure (i.e., Academic Probation, etc.) and will be reintegrated into the Program based on completed requirements.

7. **Other Implications:**
A. Students who choose to leave prior to the start of their formal active duty are reminded that their full-time status ends on the date of exit. This date is important as it reflects the date reported to the Department of Education and National Student Clearinghouse for purposes of full-time status for insurance coverage and loan repayment (if applicable). Students are urged to contact these agencies for implications related to their active duty status.
B. Students should contact the bookstore immediately upon notification of activation to arrange for reimbursement afforded for books obtained per the bookstore’s reimbursement policy at the time books are returned.

**Short-term Military Obligations**
The faculty will make reasonable accommodations for any student required to fulfill military obligations. This includes time to complete assignments, tests, or quizzes missed during this absence. The student must submit official verification of military obligations to the Program Director.
Student Complaints/Grievances, p. 48

Students who believe that they have been treated unfairly with respect to the application of the laws, rules, policies, procedures or regulations under which the College operates or because of race, religion, color, national origin, age, gender, sexual orientation, veteran status or disabilities may file a formal complaint. A complaint/grievance is an internal matter subject to the guidelines located in the Student Handbook, which is published on the College website (www.jchs.edu) under “Campus Life” and is also available in the Office of Student Affairs, located on the 4th floor of the Carilion Roanoke Community Hospital Building.

Bachelor of Science in Emergency Services, p. 70

Program Progression

The following requirements are placed on students for either continued progression in the program or eligibility to sit for national certification examination.

A. Final grade of “C” or better in all required Emergency Services courses.
B. Final grade of “C” or better in courses required for the respective track in order to sit for the National Registry of Emergency Medical Technician Paramedic (NRP) certification examination: BIO 211, BIO 212, and all English courses.
C. Score 80% or higher on the medication calculation test. The test is designed to measure basic math computation skills without assistance of a calculator.
D. Successful completion of a summative written and practical examination to sit for the NRP certification examination.
E. Successful completion of a summative oral examination with the Operational Medical Director to sit for the NRP examination.
F. Successfully meet all required clinical and field hours and skills competencies to sit for the NRP certification examination.
G. Successfully passing the NRP exam prior to beginning the senior year.
Non-clinical Track (122 credits)

<table>
<thead>
<tr>
<th>PREFIX</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1: Fall</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BUS 131</td>
<td>Computer Concepts &amp; Applications</td>
<td>3</td>
</tr>
<tr>
<td>CHM 111/111L</td>
<td>General Chemistry I w/Lab</td>
<td>4</td>
</tr>
<tr>
<td>ENG 111</td>
<td>Grammar and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>GEN 101</td>
<td>Freshman Seminar</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td><strong>Semester 2: Spring</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 112</td>
<td>Grammar and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>IDS 112</td>
<td>First Aid &amp; CPR for Healthcare Professionals</td>
<td>1</td>
</tr>
<tr>
<td>MTH 165</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>PHL 115</td>
<td>Foundations in Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PSY 220 or 238</td>
<td>Lifespan Development or Developmental Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 213</td>
<td>Social Issues in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td><strong>Semester 3: Fall</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 211/211L</td>
<td>Anatomy &amp; Physiology I w/Lab</td>
<td>4</td>
</tr>
<tr>
<td>ENG 220 or 325</td>
<td>Public Speaking or Communication in Professional Practice</td>
<td>3</td>
</tr>
<tr>
<td>ELE HUM</td>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>PYS 230</td>
<td>Positive Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HES 201</td>
<td>Foundations of Health &amp; Exercise Science</td>
<td>1</td>
</tr>
<tr>
<td>HES 221</td>
<td>Group Exercise Activities</td>
<td>1</td>
</tr>
<tr>
<td>HPE 221</td>
<td>Aerobic Exercise Skills</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td><strong>Semester 4: Spring</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 212/212L</td>
<td>Anatomy &amp; Physiology II w/Lab</td>
<td>4</td>
</tr>
<tr>
<td>ELE</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>IPE 200</td>
<td>Fundamentals of Teamwork</td>
<td>1</td>
</tr>
<tr>
<td>MTH 210 or 301</td>
<td>Introduction to Statistics or Statistical Methods for Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>HES 222</td>
<td>Muscle Fitness Activities</td>
<td>1</td>
</tr>
<tr>
<td>HES 272</td>
<td>Injury Prevention and Post-Rehabilitative Exercise</td>
<td>2</td>
</tr>
<tr>
<td>HPE 222L</td>
<td>Resistance Training Skills</td>
<td>1</td>
</tr>
<tr>
<td>PREFIX</td>
<td>COURSE TITLE</td>
<td>CREDITS</td>
</tr>
<tr>
<td>--------</td>
<td>--------------</td>
<td>---------</td>
</tr>
<tr>
<td>Semester 5: Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLT 301</td>
<td>Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>IDS 307 or SOC 301</td>
<td>Topics in Interdisciplinary Healthcare or Race &amp; Ethnicity in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>ELE</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>HES 302/302L</td>
<td>Exercise Physiology w/Lab</td>
<td>4</td>
</tr>
<tr>
<td>HES 365</td>
<td>Psychosocial Aspects of Exercise</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td>Semester 6: Spring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELE</td>
<td>Elective</td>
<td>1</td>
</tr>
<tr>
<td>IDS 372</td>
<td>Spirituality in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>IDS 453</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>IPE 300</td>
<td>Interprofessional Healthcare Discovery &amp; Collaboration</td>
<td>1</td>
</tr>
<tr>
<td>HES 323</td>
<td>Concepts of Strength and Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>HES 345/345L</td>
<td>Exercise Testing and Prescription</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>14</strong></td>
</tr>
<tr>
<td>Semester 7: Fall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELE</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>IDS 450</td>
<td>Global Health Issues</td>
<td>3</td>
</tr>
<tr>
<td>IPE 400L</td>
<td>Interprofessional Healthcare Experiences Lab</td>
<td>1</td>
</tr>
<tr>
<td>HES 422</td>
<td>Organization and Administration in HES</td>
<td>3</td>
</tr>
<tr>
<td>HES 426C or HES 427C</td>
<td>Professional Fieldwork in HES or Scholarly Fieldwork in HES</td>
<td>2</td>
</tr>
<tr>
<td>HES 445</td>
<td>Program Development for Aging &amp; Special Populations</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td>Semester 8: Spring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELE</td>
<td>Elective</td>
<td>4</td>
</tr>
<tr>
<td>HCM 301</td>
<td>US Healthcare Systems</td>
<td>4</td>
</tr>
<tr>
<td>HES 452</td>
<td>Community Health and Physical Activity Promotion</td>
<td>3</td>
</tr>
<tr>
<td>HES 485</td>
<td>Professional Seminar in HES</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

**Credits from Non-HES courses**: 87

**Credits from Interprofessional Education Courses**: 3

**Credits from HES courses**: 32

**Total Credits**: 122
**Bachelor of Science in Health Sciences, p. 91**

**Program Description**

The Bachelor of Science in Health Sciences (BSHS) is a foundational degree for the student seeking to complete a Bachelors degree. The program serves students seeking entry into undergraduate or graduate programs in a specific healthcare profession, or educational enhancement for individuals wishing to advance their education/career.

**Program Mission**

The mission of the Health Sciences program is to provide a solid foundation of healthcare related coursework for students seeking to either advance their prior educational accomplishments or prepare those seeking a post-baccalaureate or graduate level healthcare degree.

**Program Outcomes**

Upon completion of the BHS program, the graduate will:

1. Identify and discuss theories and practices relevant to professional practice.
2. Identify and distinguish between developments and advances relevant professional practice.
3. Examine the role of the clinician as a member of the inter-professional healthcare team.
4. Demonstrate the ability to apply legal and ethical practice, and decision-making in professional practice.
5. Demonstrate effective written communication skills in professional practice.
6. Apply problem solving, critical thinking, and decision making skills based on empirical evidence and contextual frameworks.
7. Apply research methods and findings through scientific inquiry and collaborative teamwork.

**Program requirements:**

- All students must complete the requirements for at least one minor offered at JCHS.
- All students are required to obtain a “C” or higher in both HLT 485 and HLT 486.
- All students must complete the capstone project.
- A minimum of 40 credit hours of upper division coursework must be earned at JCHS.

**Minor in Public Health (removed p. 66), p. 94**

Minor in Public Health (15-16 credits)

**Required Courses (12 credits)**
Introduction
Medical Laboratory Scientists are healthcare professionals who perform diagnostic testing, usually in a clinical laboratory setting. Our profession has previously been referred to as Clinical Laboratory Science and as Medical Technology. Students who successfully complete this program will be eligible for the national certification examination administered by American Society of Clinical Pathology (ASCP).

Students in the MLS program experience a blend of traditional lecture courses, laboratory classes, and clinical rotations to prepare them for employment in the medical laboratory field. While engaged in clinical rotations, students will be supervised by certified laboratory professionals, and will achieve entry level competency in each department of the clinical laboratory.

Employment opportunities exist in clinical laboratories, physician office laboratories, research laboratories, industry, sales, test and instrument development, and veterinary laboratories. Program faculty actively assist students with job searches and help students prepare for interviews.

Mission: The mission of the Medical Laboratory Science Program is to prepare ethical, knowledgeable, competent, and caring laboratory scientists who possess a broad knowledge base in the laboratory science field, and are prepared to provide excellent patient care to a diverse population of individuals.

Vision: Graduates of the Jefferson College of Health Sciences Medical Laboratory Science Program will be nationally recognized as employees of choice for the medical, research and reference laboratory fields.

Program Accreditation
The Medical Laboratory Science Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119. Website: www.naacls.org
Physical Demands:
• Repetitive movement to include keyboarding, pipetting, twisting/turning, bending.
• Possible lifting and carrying of supplies and equipment up to approximately 10 pounds.
• Intermittent standing, walking and sitting.
• Potential stair ascending and descending.
• Visual ability to observe equipment performance, read computer screens and paperwork, perceived depth and color etc.

Working Conditions:
• May be exposed to infectious diseases.
• May require extensive standing, sitting, bending, walking and some heavy lifting.
• May work with hazardous chemicals or noxious odors.
• May require travel between facilities.
• May require working different shifts.

Academic Policies
In addition to those policies published in the JCHS Catalog and JCHS Student Handbook, students are expected to follow the program policies as published in the Medical Laboratory Science Program Handbook. These handbooks are available electronically on the program’s blackboard site.

Certification Information
Upon graduation from this program graduates are eligible sit for a national certification examination administered by the American Society of Clinical Pathology. Their offices are headquartered at 33 West Monroe Street, Suite 1600, Chicago, IL 60603. Phone: 312.541.4999
Some states also require licensure; requirements are different in each state.

Medical Laboratory Science Program of Study (127 credits)

<table>
<thead>
<tr>
<th>PREFIX</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEMESTER 1: FALL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 111</td>
<td>Grammar and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 101/L</td>
<td>General Biology I with Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHM 111/L</td>
<td>General Chemistry I with Lab</td>
<td>4</td>
</tr>
<tr>
<td>GEN 101</td>
<td>Academic Seminar</td>
<td>3</td>
</tr>
</tbody>
</table>

| Total Credits | 14 |

<table>
<thead>
<tr>
<th>SEMESTER 2: SPRING</th>
<th>PRE-CALC L</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 112</td>
<td>Grammar and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>BIO 102/L</td>
<td>General Biology II with Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHM 112/L</td>
<td>General Chemistry II with Lab</td>
<td>4</td>
</tr>
<tr>
<td>MTH 170</td>
<td>Pre-Calculus with Trigonometry</td>
<td>3</td>
</tr>
<tr>
<td>OR MTH</td>
<td>OR Calculus I</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>BUS 131</td>
<td>Computer Concepts</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

**SEMESTER 3: FALL**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 211/L</td>
<td>Anatomy &amp; Physiology I with Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIO 230/L</td>
<td>OR Comparative Anatomy with Lab</td>
<td></td>
</tr>
<tr>
<td>CHM 244/L</td>
<td>Organic Chemistry I with Lab</td>
<td>4</td>
</tr>
<tr>
<td>MTH 210</td>
<td>Statistics</td>
<td>3</td>
</tr>
<tr>
<td>PHL 115</td>
<td>Foundations of Ethics</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

**SEMESTER 4: SPRING**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 212/L</td>
<td>Anatomy &amp; Physiology II with Lab</td>
<td>4</td>
</tr>
<tr>
<td>OR BIO 240/L</td>
<td>OR Comparative Physiology with Lab</td>
<td></td>
</tr>
<tr>
<td>CHM 245/L</td>
<td>Organic Chemistry II with Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIO ELE</td>
<td>Biology Elective</td>
<td>3</td>
</tr>
<tr>
<td>SOC 213</td>
<td>Social Issues in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>IPE 200</td>
<td>Fundamentals of Teamwork</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**SEMESTER 5: Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 253/L</td>
<td>Microbiology with Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHM 360/L</td>
<td>Biochemistry I</td>
<td>4</td>
</tr>
<tr>
<td>BIO 312</td>
<td>Research Methodology</td>
<td>3</td>
</tr>
<tr>
<td>MTH 301</td>
<td>Statistics for Healthcare</td>
<td>3</td>
</tr>
<tr>
<td>IPE 300</td>
<td>IPE Healthcare Discovery &amp; Collaboration</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**SEMESTER 6: Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 412</td>
<td>Immunology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 300</td>
<td>Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>BIO ELE</td>
<td>Biology Elective</td>
<td>3</td>
</tr>
<tr>
<td>BIO ELE</td>
<td>Biology Elective</td>
<td>3</td>
</tr>
<tr>
<td>HUM ELE</td>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>IPE 400L</td>
<td>IPE Healthcare Experiences Lab</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**SEMESTER 7: Summer**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLS 410</td>
<td>Introduction to Medical Laboratory Science</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>6</strong></td>
</tr>
</tbody>
</table>

**SEMESTER 8: Fall**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLS 420</td>
<td>Intermediate Medical Laboratory Science</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**SEMESTER 9: Spring**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLS 430</td>
<td>Advanced Medical Laboratory Science</td>
<td>15</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**Credits from Non-MLS courses** | 88

**Credits from Interprofessional Education Courses** | 3

**Credits from MLS courses** | 36

**TOTAL CREDITS** | 127
# Bachelor of Science in Respiratory Therapy, p. 100

Program of Study (125 credit hours)

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Name</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN 101</td>
<td>Freshman Seminar</td>
<td>3</td>
</tr>
<tr>
<td>ENG 111</td>
<td>Grammar and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>ELE Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ELE Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>12</strong></td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 112</td>
<td>Grammar and Composition II</td>
<td>3</td>
</tr>
<tr>
<td>PHL 115</td>
<td>Foundations of Ethics</td>
<td>3</td>
</tr>
<tr>
<td>HLT 215</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>ELE Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>12</strong></td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 211/211L</td>
<td>Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>ELE</td>
<td>Humanities Elective</td>
<td>3</td>
</tr>
<tr>
<td>MTH 165</td>
<td>College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>ELE Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>13</strong></td>
</tr>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IPE 200</td>
<td>Fundamentals of Teamwork</td>
<td>1</td>
</tr>
<tr>
<td>BIO 212/212L</td>
<td>Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>ELE</td>
<td>Social Science Elective</td>
<td>3</td>
</tr>
<tr>
<td>ELE Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>ELE Elective</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>14</strong></td>
</tr>
<tr>
<td><strong>Semester 5</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IPE 300</td>
<td>Interprofessional Healthcare Discovery and</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>Collaboration</td>
<td></td>
</tr>
<tr>
<td>RTH 301</td>
<td>Patient Assessment</td>
<td>2</td>
</tr>
<tr>
<td>RTH 302/302L</td>
<td>Respiratory Therapy Procedures I/Lab</td>
<td>4</td>
</tr>
<tr>
<td>RTH 304</td>
<td>Cardiopulmonary Anatomy &amp; Physiology</td>
<td>3</td>
</tr>
<tr>
<td>RTH 305</td>
<td>Integrated Sciences for Respiratory Therapy</td>
<td>3</td>
</tr>
<tr>
<td>RTH 308C</td>
<td>Clinical Practice I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>14</strong></td>
</tr>
<tr>
<td><strong>Semester 6</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 253/253L</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>RTH 310</td>
<td>Cardiopulmonary Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>RTH 311/311L</td>
<td>Respiratory Therapy Procedures II/Lab</td>
<td>4</td>
</tr>
<tr>
<td>RTH 318C</td>
<td>Clinical Practice II</td>
<td>3</td>
</tr>
<tr>
<td>RTH 332</td>
<td>Pulmonary Function Studies</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Semester 7**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 300</td>
<td>Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>IDS 304 or HCM 301</td>
<td>U.S. Healthcare Systems</td>
<td>4</td>
</tr>
<tr>
<td>RTH 320/320L</td>
<td>Mechanical Ventilation/lab</td>
<td>4</td>
</tr>
<tr>
<td>ELE</td>
<td>Elective</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>12</strong></td>
</tr>
</tbody>
</table>

**Semester 8**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTH 301</td>
<td>Statistical Methods for Healthcare or Statistics Class</td>
<td>3</td>
</tr>
<tr>
<td>IPE 400L</td>
<td>Interprofessional Healthcare Experiences Lab</td>
<td>1</td>
</tr>
<tr>
<td>RTH 330</td>
<td>Cardiopulmonary Pathophysiology</td>
<td>3</td>
</tr>
<tr>
<td>RTH 420</td>
<td>Neonatal/Pediatric Respiratory Therapy</td>
<td>3</td>
</tr>
<tr>
<td>RTH 430</td>
<td>Patient Case Management I</td>
<td>3</td>
</tr>
<tr>
<td>RTH 448C</td>
<td>Clinical Practice III</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**Semester 9**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IDS 453</td>
<td>Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>RTH 410</td>
<td>Patient Education and Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>RTH 450</td>
<td>Patient Case Management II</td>
<td>3</td>
</tr>
<tr>
<td>RTH 478C</td>
<td>Clinical Practice IV</td>
<td>3</td>
</tr>
<tr>
<td>RTH 488C</td>
<td>Clinical Specialty Rotation</td>
<td>1</td>
</tr>
<tr>
<td>RTH 490</td>
<td>Professional Seminar</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** 125

- **Credits from Non-major** 68
- **Credits from Interprofessional Education Courses:** 3
- **Credits from major** 54
### Associate of Applied Science in Occupational Therapy Assistant, p. 126

**Program of Study (72 credit hours)**  
*Major specific (OTA) courses must be taken sequentially in the order presented*

<table>
<thead>
<tr>
<th>PREFIX</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GEN 100</td>
<td>Academic Seminar</td>
<td>1</td>
</tr>
<tr>
<td>BUS 111 or IPE 200</td>
<td>Introduction to Computers or Fundamentals of Teamwork</td>
<td>1</td>
</tr>
<tr>
<td>HLT 215</td>
<td>Medical Terminology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 120</td>
<td>Introductory and Developmental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 211/211L</td>
<td>Anatomy &amp; Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>OTA 110</td>
<td>Human Movement for Occupation I</td>
<td>1</td>
</tr>
<tr>
<td>OTA 120</td>
<td>Foundations of the Profession I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td><strong>17</strong></td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 240</td>
<td>Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>BIO 212/212L</td>
<td>Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>OTA 130/130L</td>
<td>Human Movement for Occupation II</td>
<td>3</td>
</tr>
<tr>
<td>OTA 140</td>
<td>Foundations of the Profession II</td>
<td>3</td>
</tr>
<tr>
<td>OTA 170/170L</td>
<td>Behavioral Health – Principles &amp; Techniques</td>
<td>3</td>
</tr>
<tr>
<td>OTA 170C</td>
<td>Behavioral Health Fieldwork – Level I</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td><strong>17</strong></td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 111</td>
<td>Grammar and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>PHL 115</td>
<td>Foundations of Ethics</td>
<td>3</td>
</tr>
<tr>
<td>SOC 213</td>
<td>Social Issues in Healthcare Delivery</td>
<td>3</td>
</tr>
<tr>
<td>OTA 201L</td>
<td>Therapeutic Media Lab</td>
<td>1</td>
</tr>
<tr>
<td>OTA 203</td>
<td>Pathologic Conditions – Effects on Occupation</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td><strong>12</strong></td>
</tr>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTA 220/220L</td>
<td>Pediatrics – Principles &amp; Techniques</td>
<td>4</td>
</tr>
<tr>
<td>OTA 220C</td>
<td>Pediatric Fieldwork – Level I</td>
<td>1</td>
</tr>
<tr>
<td>OTA 235/235L</td>
<td>Physical Dysfunction – Principles &amp; Techniques</td>
<td>5</td>
</tr>
<tr>
<td>OTA 235C</td>
<td>Adult/Geriatric Fieldwork – Level I</td>
<td>1</td>
</tr>
<tr>
<td>OTA 255/255L</td>
<td>Assistive Technology</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td><strong>13</strong></td>
</tr>
<tr>
<td><strong>Semester 5</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTA 270C</td>
<td>Fieldwork Level II-A</td>
<td>6</td>
</tr>
<tr>
<td>OTA 271C</td>
<td>Fieldwork Level II-B</td>
<td>6</td>
</tr>
<tr>
<td>OTA 285</td>
<td>Professional Seminar</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td><strong>13</strong></td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td><strong>72</strong></td>
</tr>
<tr>
<td><strong>Credits from Non-Major Courses</strong></td>
<td></td>
<td><strong>29</strong></td>
</tr>
<tr>
<td><strong>Credits from Major Courses</strong></td>
<td></td>
<td><strong>43</strong></td>
</tr>
</tbody>
</table>
## Program of Study (74 credit hours)

*Classes must be taken sequentially in the order presented.*

<table>
<thead>
<tr>
<th>PREFIX</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 211/211L</td>
<td>Anatomy &amp; Physiology I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>BUS 111 or IPE 200</td>
<td>Introduction to Computers or Fundamentals of Teamwork</td>
<td>1</td>
</tr>
<tr>
<td>ENG 111</td>
<td>Grammar and Composition I</td>
<td>3</td>
</tr>
<tr>
<td>GEN 100</td>
<td>Academic Seminar</td>
<td>1</td>
</tr>
<tr>
<td>PSY 120</td>
<td>Introductory and Developmental Psychology</td>
<td>4</td>
</tr>
<tr>
<td>PTA 106/106L</td>
<td>Basic Skills for the Physical Therapist Assistant</td>
<td>3</td>
</tr>
<tr>
<td>PTA 110</td>
<td>Integrated Sciences for the PTA</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>18</td>
</tr>
<tr>
<td><strong>Semester 2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 212/212L</td>
<td>Anatomy &amp; Physiology II and Lab</td>
<td>4</td>
</tr>
<tr>
<td>ELECTIVE</td>
<td>General Elective</td>
<td>1</td>
</tr>
<tr>
<td>PHL 115</td>
<td>Foundations of Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PTA 108L</td>
<td>Clinical Assessment Skills</td>
<td>2</td>
</tr>
<tr>
<td>PTA 150/150L</td>
<td>Functional and Applied Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>SOC 213</td>
<td>Social Issues in Healthcare Delivery</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>17</td>
</tr>
<tr>
<td><strong>Semester 3</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HPE 104</td>
<td>Therapeutic Massage I</td>
<td>1</td>
</tr>
<tr>
<td>HPE 105</td>
<td>Therapeutic Massage II</td>
<td>1</td>
</tr>
<tr>
<td>PTA 161/161L/161C</td>
<td>Principles and Procedures of Physical Therapy I</td>
<td>6</td>
</tr>
<tr>
<td>PTA 201/201L</td>
<td>Principles of Therapeutic Exercise</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td><strong>Semester 4</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PTA 203</td>
<td>Pathology for the Physical Therapist Assistant</td>
<td>2</td>
</tr>
<tr>
<td>PTA 221</td>
<td>Psychosocial Aspects of Therapy for the PTA</td>
<td>2</td>
</tr>
<tr>
<td>PTA 235/235L</td>
<td>Principles &amp; Procedures of Physical Therapy II</td>
<td>4</td>
</tr>
<tr>
<td>PTA 236/236L</td>
<td>Principles &amp; Procedures of Physical Therapy III</td>
<td>4</td>
</tr>
<tr>
<td>PTA 251C</td>
<td>Clinical Education I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>15</td>
</tr>
<tr>
<td><strong>Semester 5</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PTA 241/241L</td>
<td>Pediatric Physical Therapy</td>
<td>2</td>
</tr>
<tr>
<td>PTA 242/242L</td>
<td>Adult Neurological Rehabilitation</td>
<td>3</td>
</tr>
<tr>
<td>PTA 252C</td>
<td>Clinical Education II</td>
<td>7</td>
</tr>
<tr>
<td>PTA 285</td>
<td>Professional Seminar</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>14</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>74</td>
</tr>
</tbody>
</table>

Credits from Non-Major Courses 26

Credits from Major Courses 48
Introduction

The Surgical Technology program prepares students to become an integral part of the team of medical practitioners providing surgical care to patients in a variety of settings. The Surgical Technology (ST) Program prepares competent entry-level surgical technologists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. The ST program builds upon a strong foundation of general education courses. The program provides a balanced approach of theoretical and practical application in the classroom, laboratory, and clinical settings. The clinical environment allows the student to apply theory and practice in state-of-the-art surgical settings. The program provides students with the opportunity to develop the knowledge, skills and behaviors necessary for entry-level employment as surgical technologists, acceptance as a professional, and career advancement.

The surgical technologist’s responsibilities include sterilization of supplies and instruments, as well as helping to prepare the operating room by selecting and opening sterile supplies, assembling, adjusting, and checking non-sterile equipment and specialized equipment such as robotic and laser devices to ensure they are working properly before surgery. During a surgical procedure, the technologist is responsible for assembling, checking and passing sterile instruments and devices into the hands of the surgeon and assisting with the procedure. Other common responsibilities include operating sterilizers, lights, suction equipment, electrosurgical units, endoscopic devices and various other types of equipment.

Program Accreditation

Jefferson College of Health Sciences has degree-granting authority accorded by the State Council of Higher Education in Virginia (SHCEV) and is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACS CoC). The Surgical Technology Program has been approved by SACS CoC.

Application will be made for accreditation of the Surgical Technology Program from the Commission on Accreditation of Allied Health Education Programs (CAAHEP) through the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA) for the first cohort of students to be eligible to take the national certification exam.

Program Outcomes (Learning Objectives):

Upon program completion, the graduate will be able to:

- Correlate the knowledge of anatomy, physiology, pathophysiology, and microbiology to their role as a Surgical Technologist.
- Demonstrate a safe and professional level of practice and knowledge in their role as a Surgical Technologist.
Acquire an understanding of the ethical, legal, moral, and medical values related to the patient and the surgical team during the perioperative experience.

Correlate the elements, action, and use of medications and anesthetic agents used during the perioperative experience.

Implement safe practice techniques in regard to perioperative routines, patient transportation, positioning, and emergency procedures.

Integrate principles of surgical asepsis as part of the perioperative experience.

Accurately apply knowledge and skills of a professional Surgical Technologist to address the biopsychosocial needs of the surgical patient.

Perform proficiently and competently as an entry-level Surgical Technologist in the cognitive, psychomotor, and affective learning domains.

Exhibit accountability for continued personal and professional growth and a desire for life-long learning.

**Minimum Performance Standards**

In compliance with the Americans with Disabilities Act, surgical technology students must be, with reasonable accommodations, physically and mentally capable of performing minimal standards to meet program objectives. The Minimum Performance Standards for Admission and Progression include:

**Essential Mental Abilities:**

1. Follow instructions and rules.
2. Maintain reality orientation accompanied by short and long term memory.
3. Apply basic mathematical skills.
4. Demonstrate safe practice within the defined clinical time period.
5. Display gross and fine motor abilities sufficient to provide safe and effective surgical care.
6. Utilize sufficient critical thinking abilities for clinical judgment.

**Essential Communication Skills:**

1. Speak clearly in order to communicate with patients, families, healthcare team members, peers and faculty.
2. Effectively utilize interpersonal abilities to interact with diverse individuals, families and groups.
3. Demonstrate communication abilities sufficient for clear interaction with others in verbal and written form.
4. Read and accurately interpret written communications (e.g., test questions, written surgeon’s preference cards, orders, etc.) without assistance.

**Essential Physical Abilities:**

1. Stand and walk for prolonged periods from one area to another over an eight to twelve hour period.
2. Bend, squat and kneel.
3. Lift and move surgical instrument trays of 25 pounds and move equipment.
4. Assist in lifting or moving clients of all age groups and weights.
5. Perform CPR (e.g., move above patient to compress chest and manually ventilate patient).
7. Use hands for grasping, pushing, pulling and fine manipulation.
8. Demonstrate eye/hand coordination for manipulation of instruments and equipment.
9. Utilize auditory abilities sufficient to accurately hear speech during surgical procedures.
10. Demonstrate visual abilities sufficient for observation necessary for participating in surgical procedures.
11. Display sufficient tactile abilities for safe instrument handling.

Accommodations

Any student who may require accommodations should refer to the JCHS Student Handbook. Students should contact the College’s Disability Coordinator in the Student Affairs Department to coordinate reasonable accommodations and discuss documentation.

Academic Policies

In addition to those policies published in the JCHS Catalog and JCHS Student Handbook, students are expected to follow the program policies as published in the Surgical Technology Program Student Handbook. This handbook is available electronically on the program blackboard site and may be requested from the department secretary.

To register for the first surgical technology courses the student must meet the following criteria:

- A cumulative GPA of 2.0 or higher
- Completion of all required prerequisite courses in the program of study.
- A “C” or higher in all required science courses.
- Required science courses must have been completed within the past five (5) years.

Once enrolled in the first surgical technology course, ST students have up to five (5) years to complete degree requirements.

Program Progression

The ST program of study is designed in a specific sequence. Earlier surgical technology courses (with a SUR prefix) serve as a foundation for later courses and must be taken sequentially. Students must successfully complete the courses in each semester as well as meet prerequisite or corequisite requirements in order to advance to the next semester. Please refer to the course descriptions published in the catalog for corequisite and prerequisite requirements.
Any student admitted to the program must maintain satisfactory progress and be considered in good academic standing to remain in the program. Satisfactory progress requires a minimum of final grade of “Satisfactory” in clinical courses, a “C” in all required science and professional courses (SUR prefix) and a cumulative Grade Point Average (GPA) of at least 2.0.

Clinical Case Requirements

During the Surgical Technology program students will participate in surgical procedures at clinical sites as required by the ARC/STSA.

- The total minimum number of cases that each student must complete is 120.
- Students are required to complete a minimum of thirty (30) cases in General Surgery. Twenty (20) of these cases should be in the First Scrub Role.
- Students are required to complete a minimum of ninety (90) cases in various other surgical specialties. Sixty (60) of these cases should be in the First Scrub Role. Cases must be evenly, but not necessarily equally distributed between a minimum of at least five (5) surgical specialties. However, fifteen (15) First or Second Scrub cases is the maximum number of cases that can be counted in any one surgical specialty.
- Diagnostic endoscopy cases and vaginal delivery cases are not mandatory. Up to ten (10) diagnostic endoscopic cases and five (5) vaginal delivery cases can be counted towards the maximum number of Second Scrub Role cases.
- Observation cases should be documented but do not count towards the one hundred twenty (120) required cases.

Student Work Policy:

All student activities associated with the curriculum, especially while students are completing clinical rotations, will be educational in nature. Students will not receive monetary remuneration during this educational experience, nor will the student be substituted for hired staff personnel within the clinical institution in the capacity of a surgical technologist.

Students are permitted to work during times when they are not in classes or clinical assignments. Students are expected to make Surgical Technology courses a top priority during completion of the program.

Certification

Graduates of the Surgical Technology Program are prepared to deliver patient-centered care while demonstrating clinical competency, critical thinking skills and caring behaviors within the surgical setting. Graduates will be prepared to meet or exceed the criteria set forth in the current CAAHEP Standards and Guidelines for the Accreditation of Educational Programs in Surgical Technology and will be prepared for the NBSTSA Certified Surgical Technologist (CST) national certification examination.
Associate of Applied Science in Surgical Technology
Program of Study (65 credit hours)

Courses must be taken sequentially in the order presented. * Prerequisite course marked with an * must be completed prior to the first semester.
With approval from the Advisor, other prerequisite courses may be taken at a later time.

<table>
<thead>
<tr>
<th>PREFIX COURSE</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prerequisite Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO 211/211L</td>
<td>Anatomy &amp; Physiology I*</td>
<td>4</td>
</tr>
<tr>
<td>BUS 111</td>
<td>Introduction to Computers</td>
<td>1</td>
</tr>
<tr>
<td>ENG 111</td>
<td>Grammar &amp; Composition I</td>
<td>3</td>
</tr>
<tr>
<td>GEN 100</td>
<td>Academic Seminar</td>
<td>1</td>
</tr>
<tr>
<td>HLT 215</td>
<td>Medical Terminology*</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

**Semester 1: Spring**

<table>
<thead>
<tr>
<th>PREFIX COURSE</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 212/212L</td>
<td>Anatomy &amp; Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>PHL 115</td>
<td>Foundations of Ethics</td>
<td>3</td>
</tr>
<tr>
<td>SUR 101</td>
<td>Introduction to Surgical Technology</td>
<td>3</td>
</tr>
<tr>
<td>SUR 102/102L</td>
<td>Principles of Surgical Technology</td>
<td>3</td>
</tr>
<tr>
<td>SUR 109</td>
<td>Surgical Patient Care</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

**Semester 2: Summer**

<table>
<thead>
<tr>
<th>PREFIX COURSE</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 253/253L</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>PSY 101</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SUR 112C</td>
<td>Introduction to Surgical Practicum</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

**Semester 3: Fall**

<table>
<thead>
<tr>
<th>PREFIX COURSE</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELE</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>IPE 200</td>
<td>Fundamentals of Teamwork</td>
<td>1</td>
</tr>
<tr>
<td>SUR 110</td>
<td>Surgical Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>SUR 200</td>
<td>Surgical Procedures I</td>
<td>4</td>
</tr>
<tr>
<td>SUR 213C</td>
<td>Surgical Practicum I</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>14</td>
</tr>
</tbody>
</table>

**Semester 4: Spring**

<table>
<thead>
<tr>
<th>PREFIX COURSE</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUR 224</td>
<td>Surgical Procedures II</td>
<td>4</td>
</tr>
<tr>
<td>SUR 225C</td>
<td>Specialty Practicum</td>
<td>3</td>
</tr>
<tr>
<td>SUR 226C</td>
<td>Advanced Surgical Practicum</td>
<td>3</td>
</tr>
<tr>
<td>SUR 227</td>
<td>Surgical Technology Seminar</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td>13</td>
</tr>
<tr>
<td><strong>Total Credits:</strong></td>
<td></td>
<td><strong>65</strong></td>
</tr>
</tbody>
</table>

Credits from Non-Surgical Tech Courses 30

Credits from Surgical Tech Courses 35
Master of Science in Physician Assistant

Applicants for the MSPA program must apply through the Central Application Service for Physician Assistants (CASPA). JCHS does not require a supplemental application. DO NOT send application materials directly to the College or Program. The application deadline is November 1. We have a rolling admissions process, i.e., admission decisions are made and decision letters are sent after each interview session instead of all decisions being made at the end of the season.

Outstanding candidates are accepted within 30 days after the interview, so we highly recommend that you apply early. Interviews for admission take place on campus. Applicants who are selected to be interviewed will be informed of their interview session several weeks ahead of time.

The decision to admit a candidate rests with the admissions committee. Decisions are based on grade point average, prerequisites, healthcare experience, essay, Graduate Record Examination (GRE) scores, references, and the interview.

Application Procedure

- **CASPA.** Applicants must apply through CASPA, the Central Application Service for Physician Assistants. JCHS does not require a supplemental application. DO NOT send application materials directly to the College or Program. Deadline for submission is November 1.
- **References.** We recommend three references: one each from an academic advisor, a clinical supervisor and an employer. Substitutions may be made if all three are not available, but at least one reference should be from someone familiar with you in a work or professional setting. Submit these directly to CASPA using CASPA's forms.
- **Essay.** The CASPA application includes a written essay, which will be reviewed by our admissions committee. The essay should be of high quality and demonstrate graduate-level writing.
- **Bachelor Degree.** A bachelor degree from a regionally accredited institution is required. We accept degrees from all disciplines provided you meet the Program's course prerequisites.
- **GPA.** The minimum overall GPA accepted is 2.8 on all undergraduate work. A GPA of at least 3.0 is recommended. You must have earned a "C" or better on all prerequisite courses. Pass/Fail or placing out of a required prerequisite is not permitted.
- **Advanced Placement Credit.** Credit for AP courses taken in high school, and appearing on a college transcript will be accepted for prerequisite credit. However, we give no advanced placement or prior learning credit to take the place of PA program coursework. Each PA student must complete the entire curriculum at JCHS.
• Transcripts. Send all transcripts to CASPA, not to the College. Students are to send transcripts to the College only after they are accepted and have paid their deposit.

• Healthcare Experience. All successful candidates must have 500 hours of healthcare experience, paid, volunteer, or as a student, prior to enrollment in the PA program. This experience should be in areas with direct patient or client contact, for example, EMT, medical technology, nursing, and phlebotomy. Patient contact in fields such as health education, health promotion, and social work may be considered as long as work was in areas of patient or client services. The 500 hours need not be completed by the time of application. Applicants with formal certifications in a health-related field should provide a copy of license or certification upon request.

• GRE. The Graduate Record Exam (GRE) is required and should have been taken within the last five years. The minimum GRE score accepted in the old scoring system is 800. We have not yet established a cutoff for the new GRE scoring system. The applicant must arrange to have GRE scores submitted directly to CASPA. Our Designated Institution (DI) Code is 0597.

• Prerequisite Courses. Applicants must have completed the following prerequisite coursework before beginning the program. At least 12 hours of this coursework must have been completed within the past three years.
  - Anatomy and Physiology I & II with lab: 8 hours
  - General Chemistry I & II with lab: 8 hours
  - Biochemistry or Cell Biology: 3 hours
  - Microbiology with lab: 4 hours
  - Genetics or Immunology: 3 hours
  - Statistics: 3 hours
  - Medical Terminology: 1 hour
  - Psychology: 6 hours; at least one upper-level course is required (Abnormal Psychology or Developmental Psychology is accepted as an upper-level course)

  Requests for waivers of any of these requirements will be considered on an individual basis, must be made in writing to the program, and must be supported with excellent reasons.

• Interviews for admission take place on campus. Applicants who are selected to be interviewed will be scheduled for an interview session several weeks ahead of time. Interview sessions begin in November.

Healthcare Administration Graduate Certificate, p. 153

The graduate certificate in healthcare administration (HA) is designed to offer core healthcare administration content to healthcare managers and other healthcare professionals. The graduate certificate in HA is taught in a learning environment where students with management and professional experience can supplement their existing practical knowledge with new theoretical knowledge of healthcare organizations, healthcare organizational behavior, healthcare financial management, and related healthcare administration topics. The graduate certificate in HA includes six courses (18
(18 semester hours) which are taught online, using both synchronous and asynchronous methodology.

Admission Requirements:

Applicants applying for the graduate certificate in HA must have graduated with a bachelor’s degree from an accredited college or university and have at least two (2) years of work experience in a healthcare organization. Applicants must provide a current resume during the application process.

Once accepted, students must complete a six-course (18 semester hour) program of study with a 3.0 or better GPA and no grade lower than “C”. In most cases, coursework taken for the graduate certificate with an earned grade of “B” or better can be transferred to the Master of Healthcare Administration degree program if the student is admitted to the MHA program and the courses meet degree requirements.

<table>
<thead>
<tr>
<th>PREFIX</th>
<th>COURSE TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semester 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HA 510</td>
<td>Foundations of Healthcare Administration</td>
<td>3</td>
</tr>
<tr>
<td>HA 530</td>
<td>Organizational Theories and Leadership</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>6</td>
</tr>
<tr>
<td>Semester 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HA 560</td>
<td>Advanced Financial Management in Healthcare</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>3</td>
</tr>
<tr>
<td>Semester 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HA 630</td>
<td>Seminar in Healthcare Administration</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>3</td>
</tr>
<tr>
<td>Semester 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HA 640</td>
<td>Operations &amp; Performance Management</td>
<td>3</td>
</tr>
<tr>
<td>HA Elective</td>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total HA Credits with Elective</td>
<td>18</td>
</tr>
</tbody>
</table>

**Student Complaints/Grievances, p. 154**

Students who believe that they have been treated unfairly with respect to the application of the laws, rules, policies, procedures or regulations under which the College operates or because of race, religion, color, national origin, age, gender, sexual orientation, veteran status or disabilities may file a formal complaint. A complaint/grievance is an internal matter subject to the guidelines located in the Student Handbook, which is published on the College website (www.jchs.edu)
under “Campus Life” and is also available in the Office of Student Affairs, located on the 4th floor of the Carilion Roanoke Community Hospital Building.

**Biology Graduate Certificate, p. 162**

The graduate biology certificate program is designed for individuals, such as high school science teachers, seeking to obtain graduate credit hours in biology. Achievement of this certificate will provide the individual with preparation in biology that will enhance their ability to teach biology related course work. The curriculum emphasizes molecular and cellular aspects of biological systems, application of quantitation to biological and physiological principles and remaining current through life-long commitment to reading contemporary research publications relevant to these disciplines. The graduate certificate includes 18 semester hours that are taught online and in campus laboratories, using both synchronous and asynchronous methodology.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Number</th>
<th>Title</th>
<th>Credit hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO</td>
<td>501</td>
<td>Principles of Cellular Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIO</td>
<td>515</td>
<td>Comparative Anatomy for Biologists</td>
<td>3</td>
</tr>
<tr>
<td>BIO</td>
<td>535/535L</td>
<td>Human Anatomy for Biologists</td>
<td>4</td>
</tr>
<tr>
<td>BIO</td>
<td>545/545L</td>
<td>Microbial Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO</td>
<td>555</td>
<td>Human Physiology</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Total Credits</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

**Master of Science in Occupational Therapy, p. 169, 172**

**Introduction**

Occupational Therapy (OT) is an allied health profession. Its primary aims are to provide intervention to individuals whose lives have been disrupted by adverse circumstance, assist them in gaining or improving their quality of life, and make them capable, using specific skills required of them, to function effectively within their own dynamic environments. To this end occupational therapist use meaningful / purposeful “occupations” (those tasks and functions of life that require time and energy and which otherwise able-bodied individuals take for granted) to develop or redevelop necessary and/or desired skills for life. These life tasks include, but are not limited to, self care skills such as bathing, dressing, and toileting; interpersonal communication skills such as carrying on a telephone conversation or speaking with family members or an employer about sensitive issues; everyday living tasks such as the roles of a homemaker, vocational interactions and the roles of employee; paying personal bills, balancing a checkbook, purchasing groceries, driving, planning for the future, enjoying leisure pursuits, etc.
Occupational therapists function in a variety of settings. Graduates may work in a hospital, rehabilitation center, extended care facility, nursing home, public schools, developmental daycare facility, adult day care program, mental health clinic, out-patient facilities, home health agencies, industrial rehabilitation programs, hospice programs, private practice and in various community agencies that aid individuals with specific disabilities.

Program Accreditation

The Occupational Therapy program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA) located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, Maryland, 20824-1220. AOTA’s phone number is (301) 652-2682. Websites: [www.aota.org](http://www.aota.org) and [www.acoteonline.org](http://www.acoteonline.org)

Licensing Information (p. 172)

Upon graduation from this program graduates must sit for a national registry exam administered by the National Board for Certification in Occupational Therapy (NBCOT). Their offices are located at 12 S. Summit Avenue, Suite 100, Gaithersburg, Maryland, 20877-4150. NBCOT’s phone number is (301) 990-7979. . Website: [www.nbcot.org](http://www.nbcot.org).

All candidates must complete an application for this exam which includes information concerning any previous charges or convictions of a felony, revocation or suspension of a professional license by a regulatory board, or involvement in any disciplinary action due to malpractice, negligence or misconduct. An affirmative response to any of the above questions may prohibit the candidate’s permission to sit for the exam. Upon entry to this program, if any of the above situations have occurred, the student may contact NBCOT and request an EARLY DETERMINATION where the facts may be presented and the Board will respond stating whether the student would be able to take the test or not.

All Occupational Therapists must be licensed by the Virginia Board of Medicine BEFORE practicing in the state of Virginia. Licensure requirements may be obtained by contacting: The Department of Health Professions, Perimeter Center, 9960 Maryland Drive, Suite 300, Richmond, Virginia 23233.

Disability Services, p. 186 - 189

The College is committed to serving students with disabilities by providing appropriate accommodations in compliance with federal and state regulations. Under College policy and federal and state laws, qualified people with disabilities are entitled to reasonable accommodations that will allow them access to College programs, jobs, services, and activities, unless the accommodations would pose an undue hardship on the College. The College does not have a structured program designated and designed just for students with disabilities. An individual is considered to have a "disability" if s/he has a physical or mental impairment that substantially limits one or more major life activities, has a record of such an impairment, or is regarded as having such an impairment that
substantially limits a major life activity (such as learning, caring for oneself, seeing, breathing, walking or working). A qualified person with a disability is someone whose experience, education, and training enable the person to perform the fundamental job duties and/or meet essential course and program requirements, with or without a reasonable accommodation. An accommodation is any change in the work or learning environment, or in the way things are customarily done, that enables a person with a disability to have equal employment or educational opportunities.

The College has a Coordinator for Disability Services, whose office is located in the Learning Commons, office number 506. Students with disabilities who desire accommodations should schedule a meeting with the Coordinator of Disability Services to discuss program accessibility and individual needs. Reasonable accommodations, tailored to meet the individual student’s needs, will be made when requested and supported by appropriate documentation. For more information, request a guide for students with disabilities by calling (540) 985-8215.

A request for accommodation is deemed reasonable if it:

1. is based on individual documentation;
2. allows the most integrated experience possible;
3. does not compromise essential requirements of a course or program;
4. does not pose a threat to personal or public safety;
5. does not impose undue financial or administrative burden on the College; and
6. is not of a personal nature (i.e. hiring of personal care attendants).

It is the student’s responsibility in the accommodation process to do the following:

1. Self-identify as having a disability to the Coordinator for Disability Services or a faculty or staff member. If a student self-identifies to someone other than the Coordinator, then the faculty/staff member should direct them to the Coordinator. Students may voluntarily contact Counseling and Wellness or the Learning and Writing Center to self-identify prior to the completion of the admissions process for the purpose of providing information concerning their disability; or
2. The Admissions acceptance packet provides an opportunity for students with disabilities to self-identify. Responses are addressed directly to the Coordinator for Disability Services, kept confidential, and only used to assist in planning reasonable accommodations;
3. Contact the Coordinator for Disability Services for formal identification at any time during his/her enrollment. The point in time at which a student chooses to identify a disability remains at the student’s discretion. However, the College is not responsible for making retroactive accommodations;
4. Provide, at the student’s expense, current (not more than four [4] years old), appropriate documentation of the disability from a medical or other licensed professional qualified to diagnose the disabling condition;
5. Request specific accommodation(s) and/or service(s) through the Coordinator for Disability Services.
**Student Discrimination Complaint Procedure**

Under 34 C.F.R. § 104.7(b) the College is required to adopt a grievance procedure providing for the prompt and equitable resolution of complaints alleging noncompliance with Section 504 or its implementing regulations that incorporate appropriate due process standards. Jefferson College of Health Sciences has a complaint procedure to deal promptly and fairly with concerns and complaints about discrimination based on disability as well as other areas of discrimination. The procedure may be used by any student who believes that he or she has been discriminated against or harassed based on race, color, religion, sex, sexual orientation, national origin or citizenship status, age, disability, or veteran’s status.

Anyone may bring forward information or a concern about discrimination or harassment. Complaints are handled as confidentially as possible to protect the rights of both the complainant and the person accused. Retaliation against anyone who makes a complaint or participates in a complaint process will not be tolerated.

**Disability Grievance Procedure**

All Section 504 complaints, excluding those filed against the Section 504 Coordinator, should be addressed to:

Coordinator for Disability Services, Fifth Floor CRCH, Office #506

Jefferson College of Health Sciences
101 Elm Avenue S. E.
Roanoke, VA 24013

All complaints filed against the Coordinator for Disability Services should be addressed to:

Dean for Student Affairs, Student Affairs Suite, Fourth Floor CRCH
Jefferson College of Health Sciences
101 Elm Avenue S. E.
Roanoke, VA 24013

Complaints must be filed in writing within 180 days after the complainant becomes aware of the alleged violation. It must contain the name and address of the person(s) filing the complaint and a description of the alleged violation.

An investigation, as may be appropriate, shall follow the filing of the complaint. The Coordinator for Disability Services or the Office of the Dean for Student Affairs, depending upon the nature of the grievance, shall conduct the investigation. All interested persons and their representatives will have an opportunity to submit evidence relevant to the complaint.

Either the Coordinator for Disability Services or the Dean for Student Affairs will issue a written determination as to the validity of the complaint and a description of the resolution. A copy will be forwarded to the complainant no later than thirty (30) working days after receipt of the complaint.
Upon receipt of the decision of the Coordinator for Disability Services, if the student is not satisfied, he/she may file an appeal to the Dean for Student Affairs. The Office of the Dean must receive the appeal no later than thirty (30) working days after the date of the written determination by the Section 504 Coordinator. The Office of the Dean for Student Affairs, as may be appropriate, shall conduct an investigation and the Dean shall issue a written determination as to the validity of the complaint and a description of the resolution. A copy will be forwarded to the complainant no later than thirty (30) working days after receipt of the complaint.

If the student wishes to appeal a decision of the Dean for Student Affairs, he/she may file an appeal to the President of the College. The Office of the President must receive the appeal no later than thirty (30) working days after the date of the written determination by the Dean. The Office of the President, as may be appropriate, shall conduct an investigation and the President shall issue a written determination as to the validity of the complaint and a description of the resolution. A copy will be forwarded to the complainant no later than thirty (30) working days after receipt of the complaint. The decision of the President is final.

OR

The student may file a complaint with the Office of Civil Rights by accessing the complaint form and instructions at: [http://www.ed.gov/offices/OCR/complaintintro.html](http://www.ed.gov/offices/OCR/complaintintro.html).

Or, by writing to:

Washington DC (Metro)
Office for Civil Rights
U.S. Department of Education
400 Maryland Avenue, SW
Washington, D.C. 20202-1475

Telephone: 202-453-6020
FAX: 202-453-6021; TDD: 877-521-2172

E-mail: [OCR.DC@ed.gov](mailto:OCR.DC@ed.gov)

OR

The student may initiate legal proceedings through the attorney of his/her choosing.
<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall 2014</th>
<th>Spring 2015</th>
<th>Summer 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residence Hall Move-in Returning Students</td>
<td>Aug. 15</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Residence Hall Move-in New Students</td>
<td>Aug. 15</td>
<td>Jan. 9</td>
<td>May 15</td>
</tr>
<tr>
<td>Orientation for Students</td>
<td>Aug. 14, 18</td>
<td>Jan. 12</td>
<td>May 18</td>
</tr>
<tr>
<td>Tuition Fees Due by</td>
<td>Jul. 21</td>
<td>Dec. 15</td>
<td>Apr. 27</td>
</tr>
<tr>
<td>Classes Begin: (general session)</td>
<td>Aug. 20</td>
<td>Jan. 14</td>
<td>May 20</td>
</tr>
<tr>
<td>1st half</td>
<td>Aug. 20</td>
<td>Jan. 14</td>
<td>May 20</td>
</tr>
<tr>
<td>2nd half</td>
<td>Oct. 15</td>
<td>Mar. 16</td>
<td>Jun. 25</td>
</tr>
<tr>
<td>10 wk.</td>
<td>Aug. 20</td>
<td>Jan. 14</td>
<td></td>
</tr>
<tr>
<td>Last Day to Add/Drop w/full refund Undergr.</td>
<td>Sept. 3</td>
<td>Jan. 27</td>
<td>May 26</td>
</tr>
<tr>
<td>Last Day to Add/Drop w/full refund Graduate</td>
<td>Aug. 26</td>
<td>Jan. 20</td>
<td>May 26</td>
</tr>
<tr>
<td>Student Break (no classes)*</td>
<td>Sept. 1</td>
<td>Mar. 2 – 8</td>
<td></td>
</tr>
<tr>
<td>Reading Day (no classes)</td>
<td>Oct. 14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Last day to Withdraw &quot;W&quot; (gen. session)</td>
<td>Oct. 17</td>
<td>Mar. 20</td>
<td>Jun. 4</td>
</tr>
<tr>
<td>1st half</td>
<td>Sept. 16</td>
<td>Feb. 10</td>
<td></td>
</tr>
<tr>
<td>2nd half</td>
<td>Nov. 10</td>
<td>Apr. 8</td>
<td></td>
</tr>
<tr>
<td>10 wk.</td>
<td>Sept. 24</td>
<td>Feb. 17</td>
<td></td>
</tr>
<tr>
<td>Last day to Remove an &quot;I&quot;</td>
<td>Oct. 17</td>
<td>Mar. 20</td>
<td></td>
</tr>
<tr>
<td>Student Break (no classes)*</td>
<td>Nov. 26 - 30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classes End: (general session)</td>
<td>Dec. 2</td>
<td>Apr. 28</td>
<td>Jul. 28</td>
</tr>
<tr>
<td>1st half</td>
<td>Oct. 13</td>
<td>Mar. 13</td>
<td>Jun. 23</td>
</tr>
<tr>
<td>2nd half</td>
<td>Dec. 2</td>
<td>Apr. 28</td>
<td>Jul. 28</td>
</tr>
<tr>
<td>10 wk.</td>
<td>Oct. 30</td>
<td>Mar. 31</td>
<td>Jul. 28</td>
</tr>
</tbody>
</table>
| Exams                                        | Dec. 3 – 9    | Apr. 29, 30, May 1, 4, 5 | Jun. 24 (1st half)
|                                              |               | Jun. 29, 30, 31, Aug. 3, 4 | |
| Residence Hall Move-out (graduates, non-      | Dec. 13 (noon)| May 9 (noon) | Aug. 5 (noon)|
| returning students                           |               |              |             |
| Semester                                     | Fall 2014     | Spring 2015  | Summer 2015 |
| 9 month Faculty Return                       | Aug. 11       | Jan. 5       |             |
| College Meeting for Faculty & Staff          | Aug. 13       | Jan. 7       |             |
| Convocation & Programmatic Orientation       | Aug. 19       |             |             |
| Faculty Educat. Day (no classes)             | Oct. 14       |             |             |
| Midterm Grades Due                           | Oct. 10       | Mar. 13      |             |
| Returning Students Registration Begins        | Nov. 6        | Mar. 26(SU), Apr. 9 (FA)
| New Student Registration Begins              | Nov. 13       | Apr. 2 (SU), Apr. 16 (FA) |
| Final Grades Due (graduates noon)            | Dec. 10       | May 6        |             |
| Final Grades Due (5 p.m.)                    | Dec. 11       | May 6        | Aug. 6      |
| Graduation                                   | Dec. 12       | May 8        |             |
| Winter Break (faculty/staff)                 | Dec. 22 – Jan. 2 |             |             |
Faculty and Staff

**President’s Office**

Nathaniel L. Bishop, D.Min.
A.A.S., New River Community College
B.G.S., Radford University
M.S. Ed., Virginia Polytechnic Institute and State University
D.Min., Wesley Theological Seminary  

President
Phone: (540) 985-8484
E-mail: NLBishop@jchs.edu

Dorothy Hall, A.S.
A.S., Northampton County Area Community College

Administrative Secretary to the President
Phone: (540) 985-8491
E-mail: DJHall@carilionclinic.org

Susan L. Booth, A.A.S.
A.A.S., Virginia Western Community College

Physical Plant & Safety Officer
Phone: (540) 224-4640
E-mail: SLBooth1@jchs.edu

Erik Williams, B.S.
B.S., Washington & Lee University

Development Officer
Phone: (540) 224-4644
E-mail: EWWwilliams@jchs.edu

**Academic Affairs**

Lisa Allison-Jones, Ph.D.
B.S.N., Lenoir-Rhyne College
M.S.N., University of Virginia
Ph.D., Virginia Polytechnic Institute and State University

Dean for Academic Affairs
Professor
Phone: (540) 224-6970
E-mail: LAllisonJones@jchs.edu

A.S., Jefferson College of Health Sciences
B.A., Mary Baldwin College
M.S.Ed., Virginia Polytechnic Institute and State University
D.H.Sc., NOVA Southeastern University

Associate Dean for Institutional Effectiveness
Associate Professor
Phone: (540) 985-8539
E-mail: GRMayhew@jchs.edu
Francis C. Dane, Ph.D.
B.S., University of Wisconsin
M.A., University of Kansas
Ph.D., University of Kansas
Chair, Arts & Sciences
Professor
Phone: (540) 224-4515
E-mail: FCDane@jchs.edu

Sharon L. Hatfield, Ph.D.
A.S., Ohlone Junior College
B.A., St. Mary’s College
M.B.A., City University
Ph.D., Old Dominion University
Chair, Community Health Sciences,
Associate Professor
Phone: (540) 985-8263
E-mail: SLHatfield@jchs.edu

Susan Polich, Ed.D.
B.A., College of Scholastica
Certificate in Physical Therapy, Mayo Clinic School of Health Sciences
M.Ed., The Pennsylvania State University
Ed.D., University of Cincinnati
Chair, Rehabilitation & Wellness
Professor
Phone: (540) 985-4478
E-mail: SMPolich@jchs.edu

Ava G. Porter, D.N.P.
A.A.S., Virginia Western Community College
B.S.N., West Virginia University
M.S.N., Radford University
D.N.P., Case Western Reserve University
Chair, Nursing
Professor
Phone: (540) 985-8531
E-mail: AGPorter@jchs.edu

Anna Millirons, M.B.A.
B.S., Radford University
M.B.A., Radford University
Dean for Administrative Services
Phone: (540) 985-8530
E-mail: ASMillirons@jchs.edu

Kathy Cochenour
Administrative Services Coordinator
Phone: (540) 985-8356
E-mail: KECochenour@jchs.edu

Connie Cook, M.B.A.
A.S., Virginia Western Community College
B.S., Old Dominion University
M.B.A., Averett University
Director of Enrollment Management
And Business Services
Phone: (540) 985-8344
E-mail: CSCook@jchs.edu

Carol S. Farley, A.S.
A.S., Virginia Western Community College
Administrative Secretary to the
Deans
Phone: (540) 985-9084
E-mail: CSFarley@jchs.edu

Admissions
Judith McKeon, M.A.
B.S., The College of William and Mary
M.A., Hollins University
Director of Admissions
Phone: (540) 985-9083
E-mail: JOMcKeon@jchs.edu

Sarah Boswell, M.S.
B.S., Radford University
M.S., Radford University
Assistant Director of Admissions
Phone: (540) 985-8309
E-mail: SERoss@jchs.edu

Tristin Kaase, B.S.
B.S., Lynchburg College
Admissions Counselor
Phone: (540) 985-9941
E-mail: TJKaase@jchs.edu

Lauren Miley, B.S.
B.S., Radford University
Admissions Counselor
Phone: (540) 224-6911
E-mail: LLMiley@jchs.edu

Barrett “Barrie” Sims
College Recruitment, Lead
Phone: (540) 985-8483
E-mail: BLSims@jchs.edu
Terry Crowder  
*College Recruitment Representative*
Phone: (540) 985-8483  
E-mail: TCCrowder@jchs.edu

Emily Kavanaugh  
*College Recruitment Representative*
Phone: (540) 985-8483  
E-mail: EMKavanaugh@jchs.edu

Farlisha Clay  
*College Recruitment Representative*
Phone: (540) 985-8483  
E-mail: FMClay@jchs.edu

Carolyn Finney  
*College Receptionist*
Phone: (540) 985-8483  
E-mail: CCFinney@jchs.edu

Janet Smith  
*Department Secretary*
Phone: (540) 224-6733  
E-mail: JHSmith@jchs.edu

Denise Monroe, B.A.  
B.A., Mary Baldwin College  
*Department Secretary*
Phone: (540) 985-8563  
E-mail: PTMonroe@jchs.edu

Ruth Taylor, A.A.S.  
A.A.S., Virginia Western Community College  
*Department Secretary*
Phone: (540) 985-4027  
E-mail: RETaylor@jchs.edu

**Bookstore**

Stephanie Coles, B.S.  
B.S., National Business College  
**Retail Lead**
Phone: (540) 985-8296  
E-mail: SDColes@carilionclinic.org

**Bursar’s Office**

Glenn Hensley, M.B.A.  
B.S., Radford University  
M.B.A., Averett University  
**Director of Business Services**
Phone: (540) 224-6752  
E-mail: GSHensley@jchs.edu

Tonia Andrews, B.S.  
A.A.S., Dominion College  
B.S., Liberty University  
M.S., Liberty University  
**Bursar**
Phone: (540) 224-4508  
E-mail: TYAndrews@jchs.edu

Lynn M. Freeman, B.S.  
A.S., Virginia Western Community College  
B.S., Liberty University  
M.A.M.L., Liberty University  
**Associate Bursar**
Phone: (540) 985-8272  
E-mail: LMFreeman@jchs.edu

**Communications and College Relations**

Mark A. Lambert, M.S.  
B.A., Emory & Henry College  
M.S., Radford University  
**Coordinator of Communications and College Relations**
Phone: (540) 985-9031  
Cell: (540) 400-3100  
E-mail: MALambert@jchs.edu

**Financial Aid**

Debra Johnson, M.B.A.  
A.A.S., Dominion College  
B.S., Bluefield College  
M.B.A., Averett University  
**Director of Financial Aid**
Phone: (540) 985-8492  
E-mail: DJJohnson@jchs.edu
Wesley Vorberger, B.S.
B.S., Liberty University
Assistant Director of Financial Aid
Phone: (540) 985-9048
E-mail: wavorberger@jchs.edu

Randall Thornton, B.A.
B.A., Averett University
Financial Aid Assistant
Phone: (540) 985-8267
E-mail: rathornton@jchs.edu

Victoria Rodriguez
Department Secretary
Phone: (540) 985-8267
E-mail: VLRodriguez@jchs.edu

Institutional Advancement
Amanda Ellinger, B.A.
B.A., Lynchburg College
Sponsored Projects Coordinator
Phone: (540) 985-8206
E-mail: AMEllinger@jchs.edu

Institutional Research
Timothy Millard, Ed.D.
B.S., Liberty University
M.A., Liberty University
Ed.D., University of Virginia
Institutional Research Director
Phone: (540) 985-9781
E-mail: tmillard@jchs.edu

Ashley Lucas, B.S.
B.S., Virginia Polytechnic Institute and State University (History)
B.S., Virginia Polytechnic Institute and State University (Political Science)
Institutional Research Analyst
Phone: (540) 985-8498
E-mail: ASLucas@jchs.edu

Library
Mona H. Thiss, M.L.S.
B.S., Virginia Commonwealth University
M.S.W., Virginia Commonwealth University
M.L.S., Catholic University of America
Director, Carilion Clinic Health Sciences Libraries
Phone: (540) 985-9828
E-mail: RTHhiss@jchs.edu

Carole Porter, M.L.I.S.
M.L.S., University of North Carolina Greensboro
Web Services Librarian
Phone: (540) 985-8485
E-mail: CLPorter@jchs.edu

Jamie Price, M.S.I.S.
B.A., East Tennessee State University
M.A., East Tennessee State University
M.S.I.S., University of Tennessee
Certificate in Archival Studies, East Tennessee State University
Clinical Research Librarian
Phone: (540) 224-4894
E-mail: JBPrice1@jchs.edu

Crystal F. Dent, B.A.
B.A., Roanoke College
Library Associate for Technical Services
Phone: (540) 985-8528
E-mail: CFDent@jchs.edu

Courtney Dunham, B.A.
B.A., University of South Florida
Distance Education Librarian
Phone: (540) 985-9767
E-mail: CDunham@jchs.edu

Jane Burnette, B.A.
B.A., Mary Baldwin College
Hospital Librarian, Carilion Roanoke Memorial Hospital
Phone: (540) 981-8039
E-mail: LJBurnette@carilionclinic.org

Margarite (Rita) McCandless, M.L.S.
M.L.S., University of North Texas
Clinical Research Librarian
VTC School of Medicine
Phone: (540) 526-2570
E-mail: MJMcCandless@carilionclinic.org
# Registrar's Office

**Registrar**

Linda Williams  
Phone: (540) 985-8481  
E-mail: LCWilliams@jchs.edu

**Assistant Registrar**

Marlene Perrott, M.S.Ed.  
B.S., University of Pittsburgh  
M.S.Ed., Shenandoah University  
Phone: (540) 224-4492  
E-mail: MAPerrott@jchs.edu

Lanai Hartman, A.S.  
A.S., Bob Jones University  
Phone: (540) 985-8108  
E-mail: LEHartman@jchs.edu

**Department Secretary**

Marlene Perrott, M.S.Ed.  
B.S., University of Pittsburgh  
M.S.Ed., Shenandoah University  
Phone: (540) 224-4492  
E-mail: MAPerrott@jchs.edu

Lanai Hartman, A.S.  
A.S., Bob Jones University  
Phone: (540) 985-8108  
E-mail: LEHartman@jchs.edu

---

# Student Affairs

**Dean for Student Affairs**

Scott Hill, M.S.  
B.S., United States Military Academy  
M.S., Joint Military Intelligence College  
Phone: (540) 224-4693  
E-mail: BSHill@jchs.edu

**Assistant Professor**

Deborah M. Stinnett, A.S.  
A.S., National Business College  
Phone: (540) 985-8395  
E-mail: DStinnett@jchs.edu

**Coordinator of Residence Life**

Katie Allen, B.A.  
B.A., Azusa Pacific University  
Phone: (540) 224-4686  
E-mail: KMAAllen@jchs.edu

---

# Academic Support Services

**Director of Academic Support Services, Assistant Professor**

Richard Overstreet, M.Ed.  
A.S., Jefferson College of Health Sciences  
B.S., Jefferson College of Health Sciences  
M.Ed., Virginia Polytechnic Institute and State University  
Phone: (540) 985-8205  
E-mail: AWOOverstreet@jchs.edu

**Coordinator of the Learning & Writing Center**

Sarah Cox, M.A.  
B.A., University of Virginia  
M.A., Hollins University  
Phone: (540) 985-8449  
E-mail: SCCox@jchs.edu

**Coordinator for Disability Services**

Gayle Clary, B.A.  
B.A., University of Mary Washington  
Phone: (540) 224-4895  
E-mail: GHClary@jchs.edu

Elliot Freeman, M.F.A.  
B.A., University of Southern Mississippi  
M.F.A., Adelphi University  
Phone: (540) 224-4732  
E-mail: EFfreeman@jchs.edu

---

# Counseling and Wellness

**Director of Counseling & Wellness**

Jennifer Slusher, Ph.D.  
B.S., Longwood University  
M.S., Radford University  
Ph.D., Virginia Polytechnic Institute and State University  
Phone: (540) 985-8502  
E-mail: JJSlusher@jchs.edu

**Coordinator, Violence Against Women Program**

Sarah E. Higginbotham, M.S.  
A.S., New River Community College  
B.S., Meredith College  
M.S., East Carolina University  
Phone: (540) 985-9711  
E-mail: SEHigginbotham@jchs.edu
Judith “Judy” Caffee
Health Records Clerk
Phone: (540) 985-8501
E-mail: JSCaffee@jchs.edu

Biomedical Sciences (including Mathematics and Sciences)

James L. McDonel, Ph.D.
B.S.Ed., Millersville University
Ph.D., University of Notre Dame

Program Director, Math and Science Professor
Phone: (540) 597-6537
E-mail: JLMcdonel@jchs.edu

Kurt Neidigh, Ph.D.
B.S., University of Utah
M.S., Virginia Polytechnic Institute and State University
Ph.D., Virginia Polytechnic Institute and State University

Associate Program Director
Assistant Professor
Phone: (540) 985-9827
E-mail: KANeidigh@jchs.edu

Rick Carliss, Ph.D.
B.A., University of New Mexico
M.S., University of Miami
Ph.D., Northwestern University

Assistant Professor
Phone: (540) 985-9961
E-mail: RDCarliss@jchs.edu

Ashleigh Prince Dunn, D.O., M.S.
B.S., Virginia Polytechnic Institute and State University
M.S., Yale University
D.O., Virginia College of Osteopathic Medicine

Assistant Professor
Phone: (540) 985-9937
E-mail: APDunn@jchs.edu

Sara Reed Houser, M.S.
B.S., Radford University
M.S., Virginia Polytechnic Institute and State University

Assistant Professor
Phone: (540) 224-4677
E-mail: SRHouser@jchs.edu

Charles Houston, Ph.D.
B.S., University of Tennessee
M.S., University of Tennessee
Ph.D., Virginia Polytechnic Institute and State University

Assistant Professor
Phone: (540) 985-9937
E-mail: CAHouston@jchs.edu

Thomas Kerkering, M.D.
B.A., College of Holy Cross
M.D., Medical College of Virginia

Professor

John P. McNamara, D.C.
B.S., Lock Haven University of Pennsylvania
M.S., M.P.A., Shippensburg University
D.C., Life University

Associate Professor
Phone: (540) 224-4443
E-mail: JPMcnamara@jchs.edu

Jayasimha Rao, Ph.D.
B.S., Osmania University
M.S., Gulbarga University
Ph.D., Osmania University

Associate Professor
Phone: TBA
E-mail: JRao@jchs.edu

Michael Slaughter, M.S.
A.S., Virginia Western Community College
B.S., Eastern Illinois University
M.S., Eastern Illinois University

Assistant Professor
Phone: (540) 985-8287
E-mail: MLSlaughter@jchs.edu

George Steer, Ph.D.
A.A., Prince George’s Community College
B.S., University of Maryland
M.S., University of Maryland
Ph.D., Uniformed Services University of Health Sciences

Assistant Professor
Phone: (540) 224-4705
E-mail: GASTEer@jchs.edu
Susan A. Tolliver, M.B.A.  
B.S., Longwood University  
M.B.A., Virginia Polytechnic Institute and State University  

Science Lab Coordinator  
Phone: (540) 224-4645  
E-mail: SATolliver@carilionclinic.org

Pamela Patton, A.S.  
A.S., Virginia Western Community College  

Department Secretary  
Phone: (540) 985-8364  
E-mail: PSPatton@jchs.edu

Adjoint Faculty  
Justin J. Allen, M.S.  
B.A., State University of New York  
M.S., Syracuse University  

E-mail: JJAllen@jchs.edu

Lisa Deal, Pharm.D.  
B.S., Virginia Polytechnic Institute and State University  
B.S.N., John Hopkins University  
Pharm.D., University of Maryland  

E-mail: LLDeal@carilionclinic.org

Ernest Johnson, M.S.  
B.S., Virginia Polytechnic Institute and State University  
M.S., Virginia Polytechnic Institute and State University  

E-mail: EEJohnson@jchs.edu

Stephen F. Mason, Ph.D.  
B.A., University of Virginia  
Ph.D., University of Wyoming  

E-mail: SFMason@jchs.edu

Mark McAllister, M.D.  
B.S., University of Missouri – Kansas City  
M.D., University of Missouri – Kansas City  

E-mail: MSMcallister@jchs.edu

Katherine H. Shaver, M.S.  
B.S., College of William and Mary  
M.S., Penn State University  

E-mail: KHShaver@carilionclinic.org

Nithya Thyagarajen, M.Sc.  
B.Sc., University of Calicut  
M.Sc., PSG College of Technology  

E-mail: nthyagarajan@jchs.edu

Emergency Services

John C. Cook, M.B.A.  
A.S., Jefferson College of Health Sciences  
B.S., George Washington University  
M.B.A., Averett University  
Graduate Certificate, George Washington University  

Program Director  
Assistant Professor  
Phone: (540) 985-8317  
E-mail: JCCook@jchs.edu

Stephen C. Ausband, M.D., F.A.C.E.P.  
B.S., Averett College  
M.D., East Carolina University  

Operational Medical Director  
Associate Professor  
Phone: (540) 985-8109  
E-mail: EDCarhart@jchs.edu

Elliott Carhart, Ed.D.  
A.S., St. Petersburg College (Emergency Medical Services)  
A.S., St. Petersburg College (Respiratory Therapy)  
B.S., St. Petersburg College  
M.S., Nova Southeastern University  
Ed.D., Nova Southeastern University  

Assistant Professor  
Phone: (540) 985-8109  
E-mail: EDCarhart@jchs.edu
Mark Cromer, M.S.
A.A.S., Virginia Western Community College
M.B.A., Averett University
M.S., Jacksonville State University
Graduate Certificate, Jacksonville State University

Assistant Professor
Clinical Director
Phone: (540) 985-8527
E-mail: MACromer@jchs.edu

Thomas “Tommy” L. Harper, M.S.
G.C.D.S., University of Richmond
B.S., Virginia Polytechnic Institute and State University
M.S., University of Richmond

Assistant Professor
Phone: (540) 985-9028
E-mail: TLHarper@jchs.edu

Roxanne S. Wilson, B.S.N.
Diploma, Community Hospital of Roanoke Valley School of Professional Nursing
B.S.N., Jefferson College of Health Sciences

Instructor
Clinical Preceptor
Phone: (540) 985-8367
E-mail: RSWilson@jchs.edu

Linda S. Davis, B.S.I.T
Diploma, ECPI
A.S., University of Phoenix
B.S., University of Phoenix

Clinical Resource Associate
Phone: (540) 985-4030
E-mail: LSDavis@jchs.edu

Pam L. Wells, C.P.S.

Department Secretary
Phone: (540) 985-4030
E-mail: plwells@jchs.edu

Adjunct Faculty

Cathy Cockrell, B.S.
B.S., Western Carolina University

E-mail: cgcockrell@carilionclinic.org

Lisa Deal, Pharm.D.
B.S., Virginia Polytechnic Institute and State University
B.S.N., John Hopkins University
Pharm.D., University of Maryland

E-mail: LLDeal@carilionclinic.org

Donald Hansen, Ph.D.
B.S., National College
M.S., University of Alabama
Ph.D., Walden University

E-mail: DEHansen@jchs.edu

Randy Krantz, J.D.
A.S., Virginia Western Community College
B.A., Lynchburg College
J.D., University of Richmond

E-mail: RKKrantz@jchs.edu

Steven Simon, M.S., N.R.E.M.T.-P.
B.S., University of Maryland University College
M.S., Grand Canyon University

E-mail: SGSimon@jchs.edu

Health Administration

B.S.N., The University of the State of New York at Albany
M.B.A., Old Dominion University
D.H.Sc., Nova Southeastern University

Program Director
Assistant Professor
Phone: (540) 985-4036
E-mail: JEPhillips@jchs.edu

Sharon L. Hatfield, Ph.D.
A.S., Ohlone Junior College
B.A., St. Mary’s College
M.B.A., City University
Ph.D., Old Dominion University

Chair, Community Health Sciences, Associate Professor
Phone: (540) 985-8263
E-mail: SHatfield@jchs.edu

Jay E. Wright, M.B.A., M.A.
B.A., Radford University
M.B.A., Old Dominion University
M.A., Liberty University

Assistant Professor
Phone: (540) 985-4037
E-mail: JEWright1@jchs.edu
Adjunct Faculty
Scott Malbon, Ph.D.
B.A., Florida State University
M.S., Florida State University
Ph.D., Florida State University

Bonnie Wall-Lievsay, Ph.D.
M.S. San Jose State University
M.S., Fielding Graduate University

Health and Exercise Science
Allison “Ally” Bowersock, Ph.D.
B.S., Bridgewater College
M.S., James Madison University
Ph.D., Virginia Polytechnic Institute and State University

Johanna T. Ferguson, M.S.
B.S., The College of William and Mary
M.S., The University of Tennessee

Anita Ella

Adjunct Faculty
Tyler Bowersock, D.P.T.
B.S., University of Dayton
D.P.T., Ohio University

Brandon Briggs, M.S.
B.S., East Carolina University
M.S., California University of Pennsylvania

Kelly A. Creasy, M.S., A.T.C.
B.S., Bridgewater College
M.S., James Madison University

Pamela Y. Frasier, Ph.D.
B.A., University of North Carolina – Chapel Hill
M.A., University of North Carolina – Chapel Hill
M.S., University of North Carolina – Chapel Hill
Ph.D., University of North Carolina – Chapel Hill

Ken Heck, M.S.
B.S., Houghton College
M.S., University of Buffalo (SUNY)

Michael S. Krackow, Ph.D.
A.A.S., Orange County Community College
B.S., Hofstra University
M.Ed., University of Cincinnati
Ph.D., Virginia Polytechnic Institute and State University

Lisa Krackow, A.A.S.
A.A.S., Suffolk County Community College

Julie J. Morris, M.S.
B.S., Austin Peay State University
M.S., Austin Peay State University
Nancy Robbins, M.S., R.D.  
B.S., Virginia Polytechnic Institute and State University  
M.S., Winthrop College  
E-mail: NMRobbins@jchs.edu

Jeannine C. Simon, M.S., R.D.  
B.S., Virginia Polytechnic Institute and State University  
M.S., Virginia Polytechnic Institute and State University  
E-mail: JCSimon@jchs.edu

Lisa Wade, M.S.W.  
B.S.W., Radford University  
M.S.W., Virginia Commonwealth University  
Certificate Massage Therapy, Virginia Western Community College  
Certificate of Yoga, Yoga Alliance  
E-mail: LSWade@jchs.edu

Sarah S. Wall, M.Ed.  
B.A., University of Richmond  
M.Ed., University of Virginia  
E-mail: SSWall@carilionclinic.org

Health Sciences

Diana Willeman-Buckelew, Ph.D.  
B.S., Manchester University  
M.S., University of New Haven  
M.S.P.H., Walden University  
Ph.D., Walden University  
Program Director  
E-mail: DLWilleman@jchs.edu

Adjunct Faculty

Linda R. Rickabaugh, M.S.N.  
B.S.N., Columbia University  
M.S.N., University of Virginia  
E-mail: LRRickabaugh@jchs.edu

Health Psychology

Robert C. “Bob” Reese, Ph.D.  
B.S., Purdue University  
M.A., Regis University  
Ph.D., Virginia Polytechnic Institute and State University  
Program Director  
Associate Professor  
Phone: (540) 224-4491  
E-mail: RCRreeese@jchs.edu

Francis C. Dane, Ph.D.  
B.S., University of Wisconsin  
M.A., University of Kansas  
Ph.D., University of Kansas  
Chair, Arts & Sciences  
Professor  
Phone: (540) 224-4515  
E-mail: FCDane@jchs.edu

Glenn P. Kent, Ph.D.  
B.S., University of Louisville  
M.A., University of Cincinnati  
Ph.D., University of Cincinnati  
Assistant Professor  
Phone: (540) 985-4042  
E-mail: GPKent@jchs.edu

Sarah E. Higginbotham, M.S.  
A.S. New River Community College  
B.S., Meredith College  
M.S., East Carolina University  
Clinical Coordinator, Instructor  
Phone: (540) 985-9711  
E-mail: SEHigginbotham@jchs.edu

Stuart Tousman, Ph.D.  
B.S., The Ohio State University  
M.S., Binghamton University  
Ph.D., Binghamton University  
Professor  
Phone: (540) 985-8371  
E-mail: SATousman@jchs.edu

Pamela Patton, A.S.  
A.S., Virginia Western Community College  
Department Secretary  
Phone: (540) 985-8364  
E-mail: PSPatton@jchs.edu

Adjunct Faculty

Stacy H. Belkonon-Hibben, Ph.D.  
B.S., Colorado State University  
M.A., Fuller Theological Seminary Graduate School of Psychology  
Ph.D., Fuller Theological Seminary Graduate School of Psychology  
E-mail: SMBelkononHibbe@carilionclinic.org
Judy Cusumano Lash, Ph.D.  
B.A., Purdue University  
M.S., Purdue University  
Ph.D., Purdue University  

E-mail: JCLash@jchs.edu

Trent Davis, Ph.D.  
A.S., John Tyler Community College  
B.S., Virginia State University  
M.A., James Madison University  
Ph.D., Virginia Technology and Polytechnic Institute  

E-mail: TADavis@jchs.edu

Nicole Hoffman, Ph.D.  
B.S., University of California Irvine  
M.A., Alliant International University (California School of Professional Psychology)  
Ph.D., Alliant International University (California School of Professional Psychology)  

E-mail: NMHoffman@jchs.edu

Mildred C. Huffman, M.S.  
A.S., Virginia Western Community College  
B.S., Ferrum College  
M.S., Hollins University  

E-mail: MCHuffman@jchs.edu

Melanie Nix, M.S.  
B.A., Texas State University  
M.S., University of Arkansas  

E-mail: MFNix@jchs.edu

Joan Reese, Ph.D., J.D.  
B.S., Shippensburg University  
J.D., Southwestern University School of Law  
Ph.D., Saybrook University  

E-mail: JCR Reese@jchs.edu

Healthcare Management  
B.S.N., The University of the State of New York at Albany  
M.B.A., Old Dominion University  
D.H.Sc., Nova Southeastern University  

Program Director  
Assistant Professor  
Phone: (540) 985-4036  
E-mail: JEPHillips@jchs.edu

Sharon L. Hatfield, Ph.D.  
A.S., Ohlone Junior College  
B.A., St. Mary’s College  
M.B.A., City University  
Ph.D., Old Dominion University  

Chair, Community Health Sciences,  
Associate Professor  
Phone: (540) 985-8263  
E-mail: SLHatfield@jchs.edu

Kathy Kleppin, M.S.  
B.S., Virginia Polytechnic Institute and State University  
M.S., Virginia Polytechnic Institute and State University  

Assistant Professor  
Phone: (540) 985-4030  
E-mail: KFKleppin@jchs.edu

Jay E. Wright, M.B.A., M.A.  
B.A., Radford University  
M.B.A., Old Dominion University  
M.A., Liberty University  

Assistant Professor  
Phone: (540) 985-4037  
E-mail: JEWright1@jchs.edu

Pamela L. Wells, CPS  
Department Secretary  
Phone: (540) 985-4030  
E-mail: PLWells@jchs.edu

Adjunct Faculty  
Jennifer Becker, M.S.  
B.S., Roanoke College  
M.S., Radford University  

E-mail: JHBecker@carilionclinic.org

Roger E. Glick, M.S., M.B.A.  
B.S., Bridgewater College  
M.S., University of Maryland, Baltimore County  
M.B.A., James Madison University  

E-mail: REGlick@carilionclinic.org
Sharon Honaker, M.B.A.
B.S., University of Virginia
M.B.A., College of William and Mary
E-mail: SKHonaker@jchs.edu

Scott Malbon, Ph.D.
B.A., Florida State University
M.S., Florida State University
Ph.D., Florida State University
E-mail: SHMalbon@carilionclinic.org

Bonnie Wall-Lievsay, Ph.D.
M.S. San Jose State University
M.S., Fielding Graduate University
Ph.D., Fielding Graduate University
E-mail: BLWalllievsay@carilionclinic.org

Humanities and Social Sciences

Darrell Shomaker, M.A.
A.A.S., New River Community College
B.S., Radford University
M.A., Virginia Polytechnic Institute and State University
Graduate Certificate in Gerontology, Virginia Polytechnic Institute and State University
Program Director
Assistant Professor
Phone: (540) 985-8362
E-mail: DKShomaker@jchs.edu

Paul M. Lemons, M.S.
A.A.S., Forsyth Technical Institute
B.A., Oklahoma City University
M.A.Ed., Western Carolina University
M.S., Virginia Polytechnic Institute and State University
Professor
Phone: (540) 985-8381
E-mail: PMLemons@jchs.edu

Paula Prince, Ph.D.
B.A., College of St. Rose
M.A., University of Pittsburgh
Ph.D., University of Pittsburgh
Assistant Professor
Phone: (540) 985-9935
E-mail: PLPrince@jchs.edu

Courtney D. Watson, Ph.D.
B.S. University of Miami
M.F.A., Florida Atlantic University
Ph.D., University of Southern Mississippi
Assistant Professor
Phone: (540) 985-8380
E-mail: CDWatson@jchs.edu

Pamela Patton, A.S.
A.S., Virginia Western Community College
Adjunct Faculty
Phone: (540) 985-8364
E-mail: PSPatton@jchs.edu

Vena Duncan, M.S.W.
B.S., Radford University
M.S.W., Virginia Commonwealth University
E-mail: VODuncan@jchs.edu

Dena Hurst, Ph.D.
M.A., Florida State University
Ph.D., Florida State University
E-mail: DLHurst@jchs.edu

Eugene (Gene) Kelly, M.A.
B.A., Stony Brook University
M.A., Fordham University
E-mail: EPKelly@jchs.edu

Elizabeth Kennedy, M.P.H.
M.P.H., University of North Carolina
B.A., University of North Carolina
E-mail: EIKennedy@jchs.edu

Dan F. Kepner, M.A.
B.A., Carson-Newman College
M.A., Virginia Polytechnic Institute and State University
E-mail: DFKepner@jchs.edu

Al Overstreet, M.Ed.
A.S., Jefferson College of Health Sciences
B.S., Jefferson College of Health Sciences
M.Ed., Virginia Polytechnic Institute and State University
E-mail: AWOOverstreet@jchs.edu
Jamie B. Price, M.S.
B.A., East Tennessee State University
M.A., East Tennessee State University
M.S., University of Tennessee
E-mail: JBPrice1@jchs.edu

Alec J. Rooney, M.A.
B.A., University of the South
M.A., University of Kentucky
E-mail: AJRooney@jchs.edu

Kathy Wolford, M.S.
B.S., Eastern Tennessee State University
M.S., Virginia Commonwealth University
E-mail: Wolford@carilionclinic.org

Annie Woodford, M.A.
B.A., Hollins University
M.A., Hollins University
E-mail: AJWoodford@jchs.edu

Interprofessional Education

Sonya Echols, Ph.D.
A.A.S., Virginia Western Community College
B.S., James Madison University
M.S., Virginia Tech
Ph.D., Virginia Commonwealth University
Program Director
Associate Professor
Phone: (540) 985-8497
E-mail: SEchols@jchs.edu

Christopher Baker, M.D.
B.A., Williams College
M.D., Harvard Medical School
Professor
E-mail: CCBaker@carilionclinic.org

Richard Brown, M.Div.
B.A., Averett College
M.Div., Southern Baptist Theological Seminary
Assistant Professor
E-mail: RBBrown@carilionclinic.org

Stephanie DeLuca, Ph.D.
B.S., University of Alabama – Birmingham
M.A., University of Alabama – Birmingham
Ph.D., University of Alabama – Birmingham
Assistant Professor
E-mail: sdelucca@vtc.vt.edu

Aubrey Knight, M.D.
B.A., Bridgewater College
M.D., University of Virginia
Assistant Professor
E-mail: ALKnight@carilionclinic.org

David Trinkle, M.D.
B.A., University of Virginia
M.D., University of Virginia
Associate Professor
E-mail: DBTrinkle@carilionclinic.org

Medical Laboratory Science

Laura Link, M.S., MLS (ASCP), CHES
B.S., University of Mary Washington
M.S., Virginia Polytechnic Institute and State University
Associate Program Director
Assistant Professor,
Phone: (540) 224-4668
E-mail: LRLink@jchs.edu

Kimberly Whiter, M.S.Ed., M.L.S. (ASCP)
B.S., McNeese State University
M.S.Ed., McNeese State University
Assistant Professor
Phone: (540) 985-8106
E-mail: KAWhiter@jchs.edu

Nursing

Ava G. Porter, D.N.P.
A.A.S., Virginia Western Community College
B.S.N., West Virginia University
M.S.N., Radford University
D.N.P., Case Western Reserve University
Department Chair
Professor
Phone: (540) 985-8531
E-mail: APorter@jchs.edu
Patty M. Vari, Ph.D.  
B.S.N., University of Kentucky  
M.S.N., University of North Dakota  
Ph.D., University of North Dakota  

Program Director  
MSN Program  
Professor  
Phone: (540) 985-8532  
E-mail: PMVari@jchs.edu  

Rhoda R. Murray, Ph.D., FNP-B.C.  
A.S.N., O-C Technical College  
B.S.N., South Carolina State College  
M.S.N., Georgia State University  
Ph.D., Capella University  

Associate Director  
MSN/FNP Program  
Assistant Professor  
Phone: (540) 985-8488  
E-mail: RRMurray@jchs.edu  

Rebecca M. Greer, D.N.P.  
A.A.S., Virginia Western Community College  
B.B.A., Roanoke College  
M.S.N., University of Phoenix  
D.N.P., Case Western Reserve University  

Program Director  
Pre-licensure BSN Program  
Associate Professor  
Phone: (540) 224-4696  
E-mail: RMGreer@jchs.edu  

Melody F. Sharp, D.N.P.  
A.A.S., Morrisville College  
A.A.S., Beth Israel School of Nursing  
B.S.N., Old Dominion University  
M.S.N., West Haven University  
D.N.P., Case Western Reserve University  

Program Director  
Post-licensure & Accelerated  
BSN Program  
Associate Professor  
Phone: (540) 224-4694  
E-mail: MFSharp@jchs.edu  

Dorey E. Anderson, M.S.N.  
B.S.N., Jefferson College of Health Sciences  
M.S.N., Liberty University  

Instructor  
Phone: (540) 224-4695  
E-mail: DEBlevins@jchs.edu  

Carol M. Bailey, M.S.N.  
Diploma, Community Hospital of Roanoke Valley School of Nursing  
B.S.N, Radford University  
M.S.N., University of Virginia  

Assistant Professor  
Phone: (540) 224-4683  
E-mail: CMBailey@jchs.edu  

Sara S. Brown, D.N.P.  
B.S.N., University of Southern Mississippi  
M.S.W., Southern Baptist Theological Seminary  
M.Div., Southern Baptist Theological Seminary  
M.S.N., Jefferson College of Health Sciences  
D.N.P., Case Western Reserve University  

Assistant Professor  
Phone: (540) 224-4625  
E-mail: SSBrown@jchs.edu  

Diane M. Campbell, B.S.N.  
Diploma, Stonewall Jackson Hospital SoPN  
A.D.N., Jefferson College of Health Sciences  
B.S.N., Jefferson College of Health Sciences  

Instructor  
Phone: 540-985-8247  
E-mail: dmcampbell@jchs.edu  

Diane O. Elmore, M.S.N.  
Diploma, Roanoke Memorial Hospital School of Nursing  
M.S.N., Walden University  

Assistant Professor  
Phone: (540) 985-9782  
E-mail: DOElmore@jchs.edu  

Denise “De-dee” Foti, D.N.P.  
B.S.N., Radford University  
M.S.N., Jefferson College of Health Sciences  
D.N.P., Case Western Reserve University  

Assistant Professor  
Phone: (540) 985-4031  
E-mail: DDFoti@jchs.edu  

Jeannie S. Garber, D.N.P.  
A.A.S., Virginia Western Community College  
B.S.N., Radford University  
M.S.N., University of Virginia  
D.N.P., Case Western Reserve University  

Assistant Professor  
Phone: (540) 985-8152  
E-mail: JSGarber@jchs.edu  

Tracy A. Hudgins, D.N.P.  
A.A.S., Rappahannock Community College  
B.S.N., University of Delaware  
M.S.N., Jefferson College of Health Sciences  
D.N.P., Case Western Reserve University  

Assistant Professor  
Phone: (540) 985-8245  
E-mail: TAHudgins@jchs.edu
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Christine D. Huson, M.S.N.</td>
<td>Assistant Professor</td>
<td>(540) 985-4028</td>
<td><a href="mailto:CDHuson@jchs.edu">CDHuson@jchs.edu</a></td>
</tr>
<tr>
<td>Glenda “Susan” Jones, M.S.N., C.N.S.</td>
<td>Assistant Professor</td>
<td>(540) 985-8265</td>
<td><a href="mailto:SKJones@jchs.edu">SKJones@jchs.edu</a></td>
</tr>
<tr>
<td>Sharon A. Jones, M.S.N.</td>
<td>Assistant Professor</td>
<td>TBA</td>
<td><a href="mailto:SAJones@jchs.edu">SAJones@jchs.edu</a></td>
</tr>
<tr>
<td>Larry Lilley, M.S.N.</td>
<td>Assistant Professor</td>
<td>(540) 985-8007</td>
<td><a href="mailto:LLLarry@jchs.edu">LLLarry@jchs.edu</a></td>
</tr>
<tr>
<td>Carolyn Lyon, M.S.N.</td>
<td>Assistant Professor</td>
<td>(540) 985-8009</td>
<td><a href="mailto:CWLyon@jchs.edu">CWLyon@jchs.edu</a></td>
</tr>
<tr>
<td>Cynthia Marcum, D.N.P., F.N.P.-B.C.</td>
<td>Assistant Professor</td>
<td>(540) 224-4347</td>
<td><a href="mailto:CRMarcum@jchs.edu">CRMarcum@jchs.edu</a></td>
</tr>
<tr>
<td>Deidra S. Pennington, M.S.N.</td>
<td>Assistant Professor</td>
<td>(540) 985-4032</td>
<td><a href="mailto:DSPennington@jchs.edu">DSPennington@jchs.edu</a></td>
</tr>
<tr>
<td>Leigh W. Ramsey, M.S.N., A.C.N.S.</td>
<td>Assistant Professor</td>
<td>(540) 224-4698</td>
<td><a href="mailto:LWRamsey@jchs.edu">LWRamsey@jchs.edu</a></td>
</tr>
<tr>
<td>Fancy C. Rop, M.S.N.</td>
<td>Assistant Professor</td>
<td>(540) 985-8297</td>
<td><a href="mailto:FCRop@jchs.edu">FCRop@jchs.edu</a></td>
</tr>
<tr>
<td>Annette M. Schwendinger, M.S.N., F.N.P.-B.C.</td>
<td>Assistant Professor</td>
<td>(5400 985-9796</td>
<td><a href="mailto:amschwendinger@jchs.edu">amschwendinger@jchs.edu</a></td>
</tr>
<tr>
<td>Milena P. Staykova, Ed.D., F.N.P.-B.C.</td>
<td>Assistant Professor</td>
<td>(540) 985-8261</td>
<td><a href="mailto:MPStaykova@jchs.edu">MPStaykova@jchs.edu</a></td>
</tr>
<tr>
<td>Deidra “Dee” Stewart, M.S.N.</td>
<td>Assistant Professor</td>
<td>(540) 224-4550</td>
<td><a href="mailto:DXStewart@jchs.edu">DXStewart@jchs.edu</a></td>
</tr>
<tr>
<td>Annette C. Strickland, M.S.N.</td>
<td>Assistant Professor</td>
<td>(540) 224-4690</td>
<td><a href="mailto:ACSStrickland@jchs.edu">ACSStrickland@jchs.edu</a></td>
</tr>
<tr>
<td>Gelene T. Thompson, M.S.N.</td>
<td>Assistant Professor</td>
<td>(540) 985-9769</td>
<td><a href="mailto:GTThompson@jchs.edu">GTThompson@jchs.edu</a></td>
</tr>
</tbody>
</table>
Sonia M. Vishneski, D.N.P., W.H.N.P.
B.S.N. Troy State University
M.S.N., Vanderbilt University
D.N.P., Case Western Reserve University

Laura Lee Whitten, M.S.N.
A.S.N. Holyoke Community College
B.S.N., College of Our Lady of the Elms
M.Ed., Cambridge College
M.S.N., Western Governors University

Kathleen O. Williams, Ph.D., F.N.P.-B.C.
A.S., Indiana University
B.A., Indiana University
M.S., Indiana University
F.N.P., James Madison University
Ph.D., George Mason University

Kimberly M. Wilson, M.S.N.
A.S.N., Jefferson College of Health Sciences
B.A., Mary Baldwin College
M.S.N., Jefferson College of Health Sciences

Elizabeth “Beth” Biggio

Andrea L. Hassell
B.S. , Pensacola Christian College

Marta Lemley

Adjunct Faculty

Penny C. Akers, D.N.P.
A.S.N., Jefferson College of Health Sciences
B.S.N., Jefferson College of Health Sciences
M.S.N., West Haven University
D.N.P., Case Western Reserve University

Terri L. Allen, M.S.N.
A.A.S., Dabney Lancaster
B.S.N., Jefferson College of Health Sciences
M.S.N., Jefferson College of Health Sciences

Jill C. Bass, D.N.P., C.N.S.
Diploma, Roanoke Memorial School of Professional Nursing
B.S.N., Radford University
M.S.N., Radford University
D.N.P., Case Western Reserve University

Jennifer L. Bath, M.S.N.
B.S.N., University of Pennsylvania
M.S.N., Jefferson College of Health Sciences

Sara V. Browning, D.N.P
Diploma, Roanoke Memorial Hospital
A.S., Virginia Western Community College
B.S.N., Virginia Commonwealth University
M.S.N., Radford University
D.N.P., Case Western Reserve University

Lauren H. Bullen, M.S.N.
B.S.N., Clemson University
M.S.N., Walden University
Tara M. Chitwood, M.S.N.  
A.A.S., Jefferson College of Health Sciences  
B.S.N., Jefferson College of Health Sciences  
M.S.N., University of Phoenix  
E-mail: TMBritten@jchs.edu

Carl T. Cline, M.S.N  
A.S.N., Dabney Lancaster Community College  
B.S.N., Jefferson College of Health Sciences  
M.S.N., Jefferson College of Health Sciences  
E-mail: CTcline@jchs.edu

Theresa R. Gibson, M.S.N., W.H.N.P.  
B.S.N. Virginia Commonwealth University  
M.S.N./ W.H.N.P.; Virginia Commonwealth University  
E-mail: trgibson@jchs.edu

Monty D. Gross, Ph.D.  
B.S. Clarion University  
B.S.N., University of Virginia  
M.S.N., University of Virginia  
Ph.D., Virginia Polytechnic Institute and State University  
E-mail: TBA

Vanessa L. Hedge, M.S.N.  
B.S., Georgia College  
B.S.N., Georgia College  
M.S.N., Vanderbilt University  
E-mail: VLFreville@carilionclinic.org

Jack H. Hooten, M.S.N.  
B.S., University of Florida  
B.S.N., Radford University  
M.S., California Coast University  
M.S.N., Old Dominion University  
E-mail: JHHooten@jchs.edu

Katherine L. Johnson, M.S.N., C.S.T.  
A.A.S., Jefferson College of Health Sciences  
B.S.N., Kaplan University  
M.S.N., Kaplan University  
E-mail: KLJohnson2@carilionclinic.org

Melanie B. Johnson, M.S.N.  
A.D.N., Virginia Western Community College  
B.S.N., Jefferson College of Health Sciences  
M.S.N., Jefferson College of Health Sciences  
E-mail: MBJohnson@jchs.edu

Kevin A. Kissner, B.S.  
A.A.S., Jefferson College of Health Sciences  
A.S.N., Jefferson College of Health Sciences  
B.S., Jefferson College of Health Sciences  
E-mail: kakissner@carilionclinic.org

Stephen W. Lovern, M.S.N.  
A.S.N., Jefferson College of Health Sciences  
B.S.N., Jefferson College of Health Sciences  
M.S.N., Jefferson College of Health Sciences  
E-mail: SWLovern@jchs.edu

Arneda “Faye” Lyons, D.N.P.  
A.S.N., Wytheville Community College  
B.S.N., Radford University  
M.S.N., Radford University  
D.N.P., Radford University  
E-mail: AFLyons@jchs.edu

James A. Miller, B.S.N.  
A.A.S., Phoenix College  
A.S.N., Jefferson College of Health Sciences  
B.S.N., Jefferson College of Health Sciences  
E-mail: JAMiller@jchs.edu

Renee M. Poff, M.S.N.  
B.S.N., Radford University  
M.S.N., Jefferson College of Health Sciences  
E-mail: RMPoff@jchs.edu
Linda Rickabaugh, M.S.N.  
B.S.N., Columbia University  
M.S.N., University of Virginia  

Tonya L. Robertson, M.S.N.  
A.A.S., Virginia Western Community College  
B.S.N., Jefferson College of Health Sciences  
M.S.N., Radford University  

Robyn R. Roth, M.S.N.  
A.S.N., San Bernardino Valley College  
B.S.N., University of Phoenix  
M.S.N., University of Phoenix  

Lisa Sprinkel, M.S.N.  
Diploma, Roanoke Memorial School of Nursing  
B.S., Mary Baldwin College  
M.S.N., Jefferson College of Health Sciences  

Susan Wirt, M.S.N.  
A.D.N., Virginia Western Community College  
B.S.N., West Haven University  
M.S.N., Jefferson College of Health Sciences  

**Occupational Therapy**

A.S., Virginia Western Community College  
B.S., Medical University of South Carolina  
M.B.A., Averett University  
D.H.Sc., University of Indianapolis  

Jason T. Browning, M.O.T.  
B.S., Jefferson College of Health Sciences  
M.S., North Dakota University  

Viki Neurauter, Ph.D.  
B.S., Louisiana State University Medical Center  
M.O.T., Texas Woman's University  
Ph.D., Virginia Polytechnic Institute and State University  

Gillian Rai, D.O.T.  
B.S., University of Durban Westville, South Africa  
M.Ed., Virginia Polytechnic Institute and State University  
D.O.T., Temple University  

Anita Ella  
Adjunct Faculty  
Phone: (540) 985-8594  
E-mail: ACElla@jchs.edu  

**Adjunct Faculty**  
Scott D. McNeil, O.T.D.  
B.S., Ithaca College  
M.S., Ithaca College  
O.T.D., Boston University  

Jim Stevens, M.S.  
B.S., Radford University  
B.S., Jefferson College of Health Sciences  
M.S., Virginia Polytechnic Institute and State University  

**Occupational Therapy Assistant**  
Ave M. Mitta, M.S.  
B.S., East Carolina University  
M.S., San Jose State University  

Program Director  
Ave M. Mitta, M.S.  
B.S., East Carolina University  
M.S., San Jose State University  

E-mail: LRRickabaugh@jchs.edu  
E-mail: TSRobertson@jchs.edu  
E-mail: RRRoth@jchs.edu  
E-mail: LTSprinkel@jchs.edu  
E-mail: SWirt@jchs.edu  
E-mail: DAHaynes@jchs.edu  
E-mail: JTBrowning@jchs.edu  
E-mail: VBNeurauter@jchs.edu  
E-mail: GARai@jchs.edu  
E-mail: SDMcNeil@jchs.edu  
E-mail: JAStevens@carilionclinic.org  
Phone: (540) 985-4097
Karen F. Layman, B.A.
A.S., Jefferson College of Health Sciences
A.A., St. Mary's College
B.A., Ohio State University

Academic Fieldwork Coordinator
Instructor
Phone: (540) 985-4096
E-mail: KFLayman@jchs.edu

Leah Sowers, B.A.
A.S., College of Health Sciences
Certificate, J. Sargeant Reynolds Community College
B.A., Mary Baldwin College

Instructor
Phone: TBA
E-mail: LNSowers@jchs.edu

Anita Ella

Department Secretary
Phone: (540) 985-8594
E-mail: ACElla@jchs.edu

Adjunct Faculty
Jim A. Stevens, M.S.
B.S., Radford University
B.S., Jefferson College of Health Sciences
M.S., Virginia Polytechnic Institute and State University

E-mail: jastevens@carilionclinic.org

Physical Therapist Assistant
Rebecca J. Duff, M.S.
A.S., Jefferson College of Health Sciences
B.S., Jefferson College of Health Sciences
M.S., Virginia Polytechnic Institute and State University

Program Director
Assistant Professor
Phone: (540) 985-8246
E-mail: RDuff@jchs.edu

Carey Bumgarner Weatherspoon, D.P.T.
B.S., Roanoke College
M.S.P.T., Arcadia University
D.P.T., Virginia Commonwealth University

Assistant Professor
Phone: (540) 985-8405
E-mail: CBWeatherspoon@jchs.edu

Amy Bumgarner, M.S., P.T.
B.S., Roanoke College
M.S., PT, University of Indianapolis

Academic Coordinator of Clinical Education
Assistant Professor
Phone: (540)-985-8463
E-mail: ALBumgarner@jchs.edu

Anita Ella

Department Secretary
Phone: (540) 985-8594
E-mail: ACElla@jchs.edu

Adjunct Faculty
Kerry Ann Conrad, M.S.Ed.
B.S., Loma Linda Medical University
M.S.Ed, Virginia Polytechnic University and State University

E-mail: KAConrad@carilionclinic.org

Joseph Chaudet, D.P.T.
A.A.S., Jefferson College of Health Sciences
B.S., James Madison University
M.S., Armstrong Atlantic State University
D.P.T. Shenandoah University

E-mail: JMChaudet@jchs.edu

Christine Clemmer, B.H.S.
A.A.S., Jefferson College of Health Sciences
B.H.S., Campbell University

E-mail: csclemmer@jchs.edu

David K. Cumins, M.P.T.
B.S., University of Virginia
M.B.A., College of William and Mary
M.P.T., Old Dominion University

E-mail: DKCumins@carilionclinic.org

Deborah K. Echternach, D.P.T.
B.S., California State University
D.P.T., Virginia Commonwealth University

E-mail: DKEchternach@carilionclinic.org
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tonia Martin, A.S.</td>
<td>A.S., Jefferson College of Health Sciences</td>
<td><a href="mailto:TGMartin@carilionclinic.org">TGMartin@carilionclinic.org</a></td>
</tr>
<tr>
<td>Paul Poff, A.A.S.</td>
<td>A.A.S., Jefferson College of Health Sciences</td>
<td><a href="mailto:PBPoff@jchs.edu">PBPoff@jchs.edu</a></td>
</tr>
<tr>
<td>Roberta Smith, M.P.T.</td>
<td>A.S., John Tyler Community College</td>
<td><a href="mailto:RPSmith@carilionclinic.org">RPSmith@carilionclinic.org</a></td>
</tr>
<tr>
<td></td>
<td>B.S., Virginia Commonwealth University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>M.P.T., Winston Salem State University</td>
<td></td>
</tr>
<tr>
<td>Patricia Airey, D.H.Sc.</td>
<td>Program Director</td>
<td><a href="mailto:PJairey@jchs.edu">PJairey@jchs.edu</a></td>
</tr>
<tr>
<td>B.S., Springfield College</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PA Certificate, Cornell University Medical College</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.S., Finch University of Health Sciences/Chicago Medical School</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.H.Sc., Nova Southeastern University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Judy Cusumano Lash, Ph.D.</td>
<td>Associate Professor</td>
<td><a href="mailto:JCLash@jchs.edu">JCLash@jchs.edu</a></td>
</tr>
<tr>
<td>B.A., Purdue University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.S., Purdue University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ph.D., Purdue University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Christina Gardner, D.H.Sc.</td>
<td>Assistant Professor</td>
<td><a href="mailto:cegardner@carilionclinic.org">cegardner@carilionclinic.org</a></td>
</tr>
<tr>
<td>B.S. Virginia Polytechnic Institute and State University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.S. Jefferson College of Health Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.S., Nova Southeastern University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.H.Sc., Nova Southeastern University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Robert Hadley, Ph.D.</td>
<td>Associate Professor</td>
<td><a href="mailto:RDHadley@jchs.edu">RDHadley@jchs.edu</a></td>
</tr>
<tr>
<td>B.A., University of Iowa City</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.S. Medical University of South Carolina</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ph.D., University of Iowa City</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Joseph R. Howell, D.H.Sc.</td>
<td>Assistant Professor</td>
<td><a href="mailto:jrhowell@jchs.edu">jrhowell@jchs.edu</a></td>
</tr>
<tr>
<td>B.S. Virginia Polytechnic Institute and State University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.S., Eastern Virginia Medical School</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.H.Sc., AT Still University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wilton C. Kennedy, III, D.H.Sc.</td>
<td>Director of Clinical Education</td>
<td><a href="mailto:WCKennedy@jchs.edu">WCKennedy@jchs.edu</a></td>
</tr>
<tr>
<td>B.A., Appalachian State University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.M.Sc., Emory University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.H.Sc., Nova Southeastern University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sara L. Nicely, M.P.A.S.</td>
<td>Assistant Professor</td>
<td><a href="mailto:SLNicely@carilionclinic.org">SLNicely@carilionclinic.org</a></td>
</tr>
<tr>
<td>B.A., Roanoke College</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.S., Jefferson College of Health Sciences</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.P.A.S., University of Nebraska</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John W. Johnson</td>
<td>Clinical Resource Associate</td>
<td><a href="mailto:JWJohnson1@jchs.edu">JWJohnson1@jchs.edu</a></td>
</tr>
<tr>
<td>Kathy K. Keoughan</td>
<td>Department Secretary</td>
<td><a href="mailto:KKKeoughan@jchs.edu">KKKeoughan@jchs.edu</a></td>
</tr>
<tr>
<td>Certificate, Virginia Western Community College</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adjunct Faculty</td>
<td>Medical Director</td>
<td><a href="mailto:PJMccarthy@carilionclinic.org">PJMccarthy@carilionclinic.org</a></td>
</tr>
<tr>
<td>Patrick J. McCarthy, M.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B.A., LaSalle University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M.D., George Washington University Medical Center</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jennifer L. Cleveland, Pharm.D.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pharm. D., Shenandoah University</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Respiratory Therapy

Chase Poulsen, Ph.D.
A.S., Mansfield University
B.S., State University of New York
M.Ed., Colorado Christian University
Ph.D., Old Dominion University

Linda Cochran, M.S.
A.S., Butler University
B.S., Indiana/Purdue University
M.S., Indiana/Purdue University

Sharon L. Hatfield, Ph.D.
A.S., Ohlone Junior College
B.A., St. Mary's College
M.B.A., City University
Ph.D., Old Dominion University

William Cragun, M.D.
B.S., Brigham Young University
M.D., University of Southern California School of Medicine

Douglas Wright, Ph.D.
B.S., Louisiana State University, Health Sciences
Ph.D. Louisiana State University, Health Sciences

Judith “Judy” Caffee

Surgical Technology

John D. Ratliff, B.S., C.S.T.
A.A.S. Mt. Hood Community College
B.S., Bellevue University

Gelene T. Thompson, M.S.N.
Diploma, Community Hospital of Roanoke Valley School of Professional Nursing
B.S., Radford University
M.S.N., Liberty University

Adjunct Faculty

Katherine L. Johnson, M.S.N., C.S.T.
A.A.S., Jefferson College of Health Sciences
B.S.N., Kaplan University
M.S.N., Kaplan University

Emeriti

Carol M. Seavor, R.N., Ed.D.
(2002 - 2010)

Warren G. Clark, Ph.D.
(2002 - 2013)

Charles A. Moore, Ph.D.
(1998 - 2013)

Linda R. Rickabaugh, R.N., M.S.N
(1983 - 2012)