NON-DISCRIMINATION AND EQUAL OPPORTUNITY POLICY

Ivy Tech Community College provides open admission, degree credit programs, courses and community service offerings, and student support services for all persons regardless of race, color, creed, national origin, religion, gender, sexual orientation, physical or mental disability, age or veteran status. The College also provides opportunities to students on the same non-discriminatory opportunity basis. Persons who believe they may have been discriminated against should contact the campus affirmative action officer, Human Resources Administrator, or Vice Chancellor for Student Affairs. Ivy Tech Community College of Indiana is an accredited, equal opportunity/affirmative action institution.

BOOKLET DISCLAIMER

This handbook is intended to supply accurate information to the reader. The College reserves the right to change the Program and course requirements; however, every effort will be made to inform students of any program changes. This handbook and its provisions are not in any way a contract between an applicant and the College.
Table of Contents

Introduction ........................................................................................................................................... 6
Accrediting Organizations ......................................................................................................................... 6
Purpose .................................................................................................................................................... 6
Philosophy ............................................................................................................................................... 6
College General Education Outcomes ........................................................................................................ 7
Terminal Program Objectives ................................................................................................................... 7
Terminal Program Outcome Statements .................................................................................................... 7
Teaching Facilities ...................................................................................................................................... 8
Clinical Facilities ...................................................................................................................................... 8
Student Support Services ....................................................................................................................... 8
Financial Information .............................................................................................................................. 10
Liability Statement ................................................................................................................................. 11
Admission, Progression, And Graduation Policies ..................................................................................... 11
   Admission/Selection .............................................................................................................................. 11
Southwest Evansville Region ...................................................................................................................... 11
   Attendance .......................................................................................................................................... 11
Health Care Support Classroom, Lab, And Clinical .................................................................................. 12
Withdrawals And Refunds ....................................................................................................................... 13
Progression And Readmission ................................................................................................................ 14
Credit For Prior Learning ....................................................................................................................... 14
Transferring ........................................................................................................................................... 15
Graduation ............................................................................................................................................... 15
Student Rights And Responsibilities .......................................................................................................... 16
   Student Disciplinary System/Student Code Of Conduct .................................................................... 16
      College Rules .................................................................................................................................. 16
         Guidelines For Professional Conduct In Clinical Settings .............................................................. 16
   Guidelines For Professional Conduct .................................................................................................. 16
GROUP I .................................................................................................................................................. 17
   This Category Addresses Major Compliance Issues And Appropriate Measures For
   Patient Care In A Health Setting .......................................................................................................... 17
GROUP II ................................................................................................................................................ 20
   This Category Relates To General Protocol And Guidelines: ............................................................... 20
      In The Event Of Non-Compliance With Expectations Listed Above: ................................................. 20
SIX RIGHTS ........................................................................................................................................... 21
      In The Event Of Non-Compliance With Expectations Listed Above: ................................................. 22
Academic Honesty Statement .................................................................................................................... 23
Grading Practices ...................................................................................................................................... 23
Evaluation Of Student Learning .............................................................................................................. 23
General Education Outcomes Assessment ........................................................................... 23
Technical Outcomes Assessment .................................................................................... 24
Certification/Licensure ....................................................................................................... 24
Student Requirements Associated With Clinical Affiliation Agreements ....................... 24
Criminal Background Checks And Drug Screening .......................................................... 25
Purpose ............................................................................................................................... 25
Organizational Scope Or Audience .................................................................................. 25
Definitions ......................................................................................................................... 25
Policy ................................................................................................................................. 25
Procedure .......................................................................................................................... 26
Disclaimers ....................................................................................................................... 26
Protection Of Confidential Information From The Background Checks And Drug Screenings .................................................................................................................. 228
Procedures For Determining Eligibility For Clinical Placement ......................................... 28
Positive Drug Screen: ....................................................................................................... 29
Criminal Background Check: ............................................................................................. 29
Physical Examination And Health Records ..................................................................... 30
Essential Functions Of Health Care Support Students ..................................................... 30
Universal Standard Precautions ....................................................................................... 32
Confidentiality .................................................................................................................. 33
Social Networking (For Example Facebook And Twitter) And Cell Phone Guidelines ..... 33
Health Care Support Curriculum Of Record .................................................................... 34
Associate Of Applied Science - Clinical Support Concentration ..................................... 34
Therapeutic Massage Certificate ....................................................................................... 39
APHY 101–Anatomy & Physiology I 3 Credits .................................................................. 41
Pharmacy Technician ........................................................................................................ 43
Phlebotomy Technician ..................................................................................................... 45
Electrocardiography Technician Certification ................................................................... 49
Course Descriptions .......................................................................................................... 52
Course Contact Hours........................................................................................................ 52
Health Care Support Course Hours ................................................................................... 52
Health Care Support General Education Courses ........................................................... 55
Health Care Support Technical Courses .......................................................................... 57
Health Care Careers - Department Of Labor Data ........................................................... 58
Estimated Costs ............................................................................................................... 59
Additional Resources ....................................................................................................... 60
Other Region-Specific Information ................................................................................... 63
Southwest Region 12 (Evansville) ..................................................................................... 63
School Of Health Sciences Division ................................................................................ 63
Uniform Policy: Health Care Support ............................................................................... 64
Proper Full Uniform And Professional Appearance Includes: ....................................... 65
Not Permitted: ................................................................................................................... 66
Professional Conduct ....................................................................................................... 66
Confidentiality Of Information ........................................................................................ 69
Acknowledgement Of Certification Eligibility Information .................................................. 70
Student Verification Of Training In Universal And Standard Precautions .......................... 71
Permission To Disclose Personal, Confidential Information .............................................. 72
Acknowledgement Of Receipt Of Handbook .................................................................... 73
Introduction

This packet introduces you to the Health Care Support program at Ivy Tech Community College of Indiana.

Accrediting Organizations

The College is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

Higher Learning Commission of the North Central Association of Colleges and Schools
(312-263-0456).

Purpose

The Health Care Support program offers exciting opportunities for people who are considering entry into the health care field, as well as to current health care providers who want additional credentials or an Associate of Applied Science degree to complement their current skills. The program allows students to complete personal goals for attaining credentials required or preferred by employers in nearly all health care sectors - hospitals, long term care centers, ambulatory healthcare centers, physician practices, home care, and community services. Students may also complete the Associate of Applied Science degree, which offers courses relevant to many other health care professions, as well. Graduates may find employment as Phlebotomists, Pharmacy Technicians, Emergency Medical Technicians, Certified Nursing Assistants (CNA) and Qualified Medication Aides (QMA), Home Health Aides, Massage Therapists, Electrocardiography Technicians, Medical Administrative Assistants or Physician Practice-Based Medical Coders.

Philosophy

It is the mission and intent of the Health Care Support faculty to view the educationally qualified student as a person who has received specified technical and clinical training that allows them to function as a productive and valuable member of the health care team. Faculty defines education as a teaching/learning process whereby the assimilation of appropriate knowledge, skills, and judgment produce a graduate who is a credit to his/her profession, as well as one who successfully completes appropriate certification examinations which attest to the level of competency attained. Consistent with the philosophy of Ivy Tech Community College, faculty accepts the responsibility for effective teaching of students through a realistic correlation of foundational knowledge with clinical experience. Furthermore, faculty feels that application of knowledge and skills in realistic situations is necessary in order for the students to become an integral supporting link in the environment of professional health care practice. The graduate contributes to the well-being of the patient by demonstrating professional competency while assisting in the care of the patient.
College General Education Outcomes

Upon completion of the program, the graduate will be able to:

1. Demonstrate critical and creative thinking.
2. Recognize and understand cultural and individual differences, in terms of both contemporary and historical perspectives.
3. Recognize and understand social, political, civic, and environmental responsibilities relative to our society.
4. Apply basic scientific concepts in a variety of settings
5. Communicate effectively in written, oral and symbolic forms.
6. Exhibit quantitative literacy.
7. Apply ethical reasoning.
8. Demonstrate the acquisition and use of information.

Terminal Program Objectives

Upon completion of the program, the graduate will be able to:

1. Participate as a member of the health care team by giving complete and loyal support and working in close harmony with other health care team members.
2. Protect the health of the patient and coworkers by carefully following Standard Precautions Guidelines and OSHA mandates.
3. Hold in strict confidence all things seen or heard in the facility pertaining to patients and other team members.
4. Employ effective communication techniques in interacting appropriately with patients, their support persons, and members of the health care delivery system.
5. Demonstrate professional conduct which reflects favorably on the educational institution and the employer.
6. Demonstrate responsibility by arriving in appropriate professional attire at assigned times.
7. Demonstrate understanding of rules and regulations of governing bodies as related to selected professional certifications.
8. Demonstrate competent performance of entry-level skills required for selected professional certifications.

Terminal Program Outcome Statements

90% of students completing the capstone course will submit a portfolio scored at 75% or higher.
Teaching Facilities

All facilities and resources of the Ivy Tech Community College are available to Health Care Support students. Students are encouraged to use support services available at the home campus, as well as on-line. Instructional support services include among others: tutoring and learning centers, the Ivy Tech Virtual Library, campus libraries, and use of Blackboard to enhance course delivery.

Clinical Facilities

Clinical experience is an integral part of the educational experience for all students pursuing a career in health care. The Health Care Support program has affiliation agreements within each regional service area. For more information on clinical affiliates, please contact the Health Care Support Program Chair at your home campus.

Student Support Services
http://www.ivytech.edu/student-services/

Advising

Ivy Tech Community College uses a faculty advisor system. On admission, each degree student is assigned a program advisor whose purpose is to:

- Assist the student in course selection and program planning.
- Guide the student in meeting the requirements for graduation as prescribed by the College.
- Ensure that appropriate technical and general education courses are included in the chosen course of study.
- Students may meet with their program advisor during a designated registration session as needed during each semester.

Health Services

For students registered in credit courses, the College provides accident insurance in a designated amount for injuries sustained while participating in College-sponsored activities. The activity must take place on College premises or on any premises designated by the College. Students are also covered while traveling to and from College-sponsored activities as a member of a group under College supervision. It is the student’s responsibility to report injuries or accidents occurring on campus promptly to the instructor or to the Office of Student Affairs so that proper medical treatment may be administered. If the College officials deem necessary, emergency medical services may be requested. If a student has a seizure or black out while on campus emergency medical services will be notified. Ivy Tech Community College does not provide on-campus medical or mental health services. Medical and mental health services are available at local hospitals and clinics.
Career and Employment Services
The Office of Career and Employment Services is available to help you in a number of ways:

- Employment Referral
- Career Assessment
- Labor Market Information
- Occupational Reports
- Work-Study Positions
- Resume/Cover Letter Assistance
- Job Shadowing
- Practice Interviews
- Community Employer Portfolios
- Co-op Education Opportunities

Housing
Ivy Tech Community College is a commuter college and does not operate residence halls. However, the Office of Student Affairs may be able to respond to questions concerning housing in the community. Ivy Tech accepts no responsibility for locating, approving, or supervising local student housing.

Transportation
All necessary transportation to clinical experience is the student’s responsibility and is not provided by the school. Students are expected to comply with parking designations. Handicapped parking spaces and visitors areas are reserved for those purposes, and vehicles improperly parked in those areas may be ticketed or towed at the owner’s expense.

Disability Services
Students pursuing the Health Care Support program must be capable of fulfilling the Essential Functions of Health Care Support Students included in the Admission, Progression and Graduation Policies section of this booklet. Reasonable accommodations for persons with disabilities will be made to ensure access to academic programs, services, and employment in accordance with section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. College programs and facilities are designed to be accessible to students with disabilities. Each campus has designated parking and special restroom facilities for these students. Support services also will aid students with disabilities with career planning, financial aid, and placement. The College staff works with the Department of Vocational Rehabilitation and other service agencies to assist students with disabilities through available local community resources.

It is the student’s responsibility to contact the campus Disability Services representative to request accommodations; any information shared will be kept confidential unless the student authorizes release and exchange of specified information. Requests for accommodations and documentation of disability must be received one month prior to enrollment for the next academic term. Additional time may be required for some requests. Every effort will be made to provide reasonable accommodations in a timely manner.

Students who request accommodations are expected to participate in an intake interview with
Disability Services if requesting specific services, academic adjustments or other accommodations for a disability. Prospective students should schedule an intake interview prior to attempting any part of the admission process if accommodations will be required for the information session, academic assessment, completing forms or scheduling classes. The intake process, including intake interview and documentation on file, should be completed at least one month prior to the need for accommodations. Documentation of the disability must be on file with the Disability Services office prior to services being provided. Late requests may delay accommodations. In accordance with the above procedure, federal guidelines and respect for individual privacy, no action will be taken without a specific request.

If you would like more information about the Disabled Student Development program at Ivy Tech Community College, please contact the Disabilities Support office at your home campus. All students are expected to meet entry requirements. Essential elements of courses and programs and licensing requirements relevant to a program curriculum cannot be waived, although they may be reasonably accommodated. Please refer to the regional contact information below.

If you will require assistance during an emergency evacuation, notify your instructor immediately. Look for evacuation procedures posted in your classroom.

Cynthia L Cates, Disability Services Advisor
cates@ivytech.edu
812 429-1386

Financial Information
http://www.ivytech.edu/financialaid/

Tuition and Fees
Tuition and fees are set by the State Board of Trustees and are subject to change. Expenses will include tuition, fees, books, uniforms, and other materials/equipment for use in the clinical area. At the time of participation in any certification pathway, the Health Care Support student will incur expense associated with obtaining the required physical examination, immunizations, tuberculosis testing, and Basic Life Support (CPR) certification, criminal background check and drug screen. Students should also anticipate costs associated with applying for certification upon completion of any certification pathway.

Financial Aid
Ivy Tech Community College offers various types of financial aid to students who need assistance to continue their education. Students are encouraged to carefully survey the available financial aid options. Students must be accepted for admission to the college in an eligible program to receive financial aid. For additional information on financial programs administered through the College, please make an appointment to see a financial aid advisor on your home campus.
Financial Obligation
The Business Office is responsible for the collection of any outstanding obligations to the College. A person with an outstanding account will be denied certain College services. For example, official transcripts may not be obtained, registration forms will not be processed, and diplomas will not be issued.

Liability Statement
Professional liability insurance coverage is provided to all students enrolled in clinical/externship courses within the Health Care Support program. The limits of liability for the Institutional Professional Liability coverage are $1,000,000 for each medical incident and $3,000,000 aggregate. This coverage extends to clinical/externship experience at an institution other than the College when it is a part of the College training program. Each student may obtain additional individual liability insurance.

The College will also maintain Commercial General Liability insurance. The limits of such insurance will be in the amount of $1,000,000 per claim and $2,000,000 per year, with limits of at least $500,000 for property damage.

Admission, Progression, and Graduation Policies

Admission/Selection
Each region may have a defined process for registration in any course required in a certification pathway with limited clinical/externship availability.

Southwest Evansville Region
The following courses require Program Chair approval prior to registration:
PHLB 212
PHLB 257
CARD 206
CARD 208
HLHS 279
TMAS 120
HLHS 107
HLHS 117

Approval for registration in any of the above courses will be based on completion of prerequisites as well as courses identified by Program Chair for completion of certificate.

Attendance

college
Students are expected to attend class meetings, or other activities assigned as a part of a course of instruction, on a regular basis. Instructors are responsible for maintaining attendance records. A statement regarding expectations for class attendance is included in the College Catalog. Instructors will also identify attendance expectations in the individual course syllabi.

Students should confer with instructors in advance if absences are anticipated. If the option for making up work exists (for anticipated or unexpected absences), the student is responsible for consulting with instructors immediately upon return in order to make necessary arrangements. Instructors will complete Student Status Reports when classes/activities are missed a sufficient number of times to jeopardize successful course completion, and will forward forms to appropriate personnel for follow-up.

**Health Care Support Classroom, Lab, and Clinical**

**Classroom and Lab Attendance Policy**
Students are expected to attend all lecture and lab sessions. Attendance is necessary to maximize student-learning opportunities. Students who are absent are responsible for missed material. Attendance will be kept for the purpose of financial aid qualification. Specific expectations will be found in each course syllabus.

**Clinical/Externship Attendance Policy**
Clinical/externship courses require the presence of the student for evaluation of having met course objectives as clinical course objectives cannot be accomplished or evaluated outside the clinical setting. Additionally, certification eligibility generally requires completion of a specific number of contact hours in a clinical or externship assignment. Furthermore, it is not possible to provide make up for clinical experiences. Therefore, regular attendance is mandatory for successful clinical/externship course completion. The following courses have a clinical or externship component:

- CARD 208 ECG Externship
- HLHS 107 CNA Preparation
- HLHS 117 QMA Preparation
- HLHS 106 Health Care Support and Certifications
- HLHS 104 BLS/CPR
- PARM 102 Emergency Medical Technician - Basic Training
- PHLB 257 Phlebotomy Externship
- TMAS 120 Massage Technician Training I
- TMAS 140 Massage Technician Training II
- TMAS 202 Deep Tissue Muscle Release
- TMAS 206 Palpation Skills
Attendance issues will be reflected in the clinical evaluation grade. Please refer to the specific course syllabus for each of the above courses to review attendance requirements.

Tardiness to clinical/externship experiences jeopardizes continuity of client care. Tardy is defined as not arriving at the designated assignment at the assigned start time.

Clinical/externship faculty has the authority to exclude a student from a clinical/externship session. The reasons for such exclusion include, but are not limited to, tardiness greater than 30 minutes, a student’s lack of preparation for the experience, student illness, impairment of the student to perform safely, or failure of a student to follow affiliating agency and Health Care Support Program policies. If a student is excluded from the clinical day, the student will be counted absent for the total contact hours assigned for the day.

Students must remain at the clinical/externship site until dismissed by the instructor or externship site supervisor. Leaving the clinical/externship site early will be counted in the student’s total absence time.

Students are not allowed to leave and then return to clinical/externship.

Clinical/externship hours may be made up on a limited basis with approval from the instructor and clinical/externship site.

Students are responsible for tracking their own absences/tardiness times.

Pregnancy does not preclude participation in the program. This is a decision between the student and her physician. Students must discuss potential hazards in the healthcare environment with their physicians. Pregnant students are discouraged from taking clinical/externship courses during the semester of their due date as clinical/externship attendance policies are not waived.

Students who develop illnesses or conditions involving limited activity must provide a physician’s written statement that they are physically and mentally capable of undertaking the Essential Functions of Health Care Support Students as outlined in this handbook. Students will not be permitted to participate in clinical/externship without this written physician’s statement.

No person shall attend clinical or externship who is not currently enrolled in the course.

**Withdrawals and Refunds**

Student withdrawal (W) is a status referring to voluntary student withdrawal beginning at the start of the third week of the course for a 16-week semester up to the end of the week marking
the completion of 75 percent of the course. It is the student’s responsibility to withdraw from a course(s). A student may withdraw from a course by filing a change of enrollment form at the Registrar’s Office. The College will refund students’ fees, with the exception of any late registration fee, on the following schedule for a 16 week semester. 
From Registration to the end of the 10th day of the semester 100% Refund
Day 11 or later of semester 0% Refund


**Progression and Readmission**

*College Progression and Readmission Policy*

Please refer to the College Catalog for policies related to academic standards and readmission following dismissal from the College for violations of rules of conduct and/or failure to meet and maintain academic standards. Students enrolled in the Health Care Support Program must be in good academic standing according to College policy. 
[http://ivytech.edu/schools/course-catalog.html](http://ivytech.edu/schools/course-catalog.html)

*Progression in Health Care Support Certification Pathway Courses*

Students are expected to progress each semester in the certification pathway sequence. Students who withdraw or do not successfully complete with a minimum grade of “D” all prerequisite courses to a course with a clinical/externship component will not be eligible to progress to enrollment in the clinical/externship course. Should there be any term of non-enrollment in the required sequence of courses, including failure to progress, the student will be required to demonstrate retained competency in the course objectives of any required prerequisite course(s) before continuing in the required sequence of courses. Demonstrated retained competency is typically satisfied by obtaining a repeat passing score on final exams, comprehensive laboratory exams, and skill check-offs. Students unable to demonstrate retained competency of any required pre-requisite courses will be required to satisfy the requirements of an individually developed remediation plan as a condition of enrollment in any clinical/externship course in which patient safety is contingent upon retained knowledge. Enrollment in clinical/externship courses is dependent upon available cohort space.

*Credit for Prior Learning*

Ivy Tech Community College proposes to acknowledge the prior learning experiences of both current and prospective students by awarding credit for appropriate prior learning. Such prior experience could include but is not limited to the following: workplace learning, military
experiences and training, college-level credit from other institutions, nationally recognized testing, certifications, and community service. Please contact the Health Care Support Program Chair at your home campus to discuss credit eligibility for prior learning, if you hold any of the following valid credentials:

- American Society of Clinical Pathology/Phlebotomy Tech ASCP/PBT
- American Society of Clinical Pathology/Medical Technologist ASCP/MT
- Current Indiana CNA certification
- Current Indiana QMA certification
- Current Indiana Home Health Aide Registration
- Indiana Alzheimer's Association, Dementia Professional Certification (DPC)
- National Healthcareer Association Credential - EKG Technician Certification
- Cardiovascular Credentialing International - Certified Cardiographic Technician
- Pharmacy Technician Certification Board/Certified Pharmacy Technician PTCB/CPhT
- State EMT-B Certification OR Current National Registry EMT-Basic or Paramedic Certification
- American Academy of Professional Coders  AAPP/CPC exam certification

Transferring

The College encourages articulation between programs offered at each campus and similar programs offered at secondary or post-secondary levels. Please refer to the College catalog or see the Registrar at your home campus for specific information or questions related to transfer of general education credits. Progression into clinical/externship courses in a certification pathway within another region of the Ivy Tech Community College system is dependent upon available cohort space. Please contact the Health Care Support Program Chair to determine clinical/externship availability.

Graduation

Certification requirements for students seeking a degree include:

- Successful completion of all courses within program certification requirements at a minimum cumulative grade point average of 2.00. In addition to general education and professional technical core requirements, students must complete at least one (1) concentration elective and at least two (2) certification pathways to meet the required 60 HLHS AAS and 61 TMAS AAS credits.
- Successful completion of the required number of credits.
- Completion of at least 15 degree credits as a regular student at Ivy Tech, and not through test-out or other means of advanced placement.
- Satisfaction of all financial obligations due the College.
- Satisfaction of program accreditation standards that may have additional requirements.
Student Rights and Responsibilities

The student grievance process provides the College an appropriate mechanism to deal with violations of student rules of conduct and conversely allows a student with a disagreement to grieve against a College employee's decision affecting that student. The College encourages students to resolve their complaints informally. The informal grievance procedures are designed to accomplish a quick resolution that is most expeditious and effective. Whenever the informal process does not result in a satisfactory resolution, the College formal grievance procedure is also available.

In addition, the grade appeal process provides a mechanism for review when a student believes the final grade he or she received in a course is inaccurate. As with the student grievance process, this procedure encourages students to first attempt to resolve the appeal informally, beginning with the faculty member who issued the course grade.

Please refer to the College Catalog for a full description of grievance and grade appeal procedures: http://ivytech.edu/schools/course-catalog.html

Student Disciplinary System/Student Code of Conduct

College Rules

All Ivy Tech students are expected to abide by the College rules of conduct. Students are subject to College jurisdiction while enrolled at Ivy Tech. The College reserves the right to take disciplinary action against any student whose conduct, in the opinion of Ivy Tech representatives, is not in the best interests of the student, other students, or the College. A full description of the student disciplinary system may be found in the College Catalog: http://ivytech.edu/schools/course-catalog.html

Guidelines for Professional Conduct in Clinical Settings

Expectations for student behavior in clinical settings are governed by clinical agency affiliation agreements. These guidelines are consistent with Ivy Tech Community College policies for student conduct and are subject to the Student Disciplinary System as described in the College Catalog: http://ivytech.edu/schools/course-catalog.html

Guidelines for Professional Conduct

PURPOSE: This information is presented to students by the faculty to ensure that students recognize the many guidelines for professional conduct that must govern their behavior and decisions. Even as a student in training, you must ensure that patients assigned to you receive appropriate attention and care. It must be provided in a timely fashion. Additionally, it must
be in accordance with professional standards for students and respectful of the confidentiality of information provided to you as a part of your clinical experience.

Although you may consider yourself to be in a learning mode, patient lives are at stake. Their safety and security is a top priority. Additionally, the quality and reputation of the College rests upon the performance of our students. Read the following with great care, and count on it to serve as your guide. Realize that if these guidelines are not followed, continued participation in the training may be jeopardized. Our ultimate goal is to help you succeed. Faculty members are here to assist you, and they count on you to take these responsibilities seriously. If you have questions related to any of this information, please discuss them with one of your instructors.

As a student, you are held accountable for the rights and responsibilities as established in the Ivy Tech Student Handbook as well as practices of safe, professional and ethical conduct as outlined in this document. Record of incidences will be maintained by the Program Chairperson or appropriate designee and will have a collective effect until the point of graduation.

Clinical affiliating agencies have the right to prohibit students from participating in clinical experiences based on unprofessional behavior. If a student is excluded from participating in clinical experiences at a clinical site, the student may not be able to complete course and program requirements, resulting in a failing grade for the course and possible removal from the program.

Faculty has divided expectations of professional conduct into two groups, which are outlined on the following pages. All are critical. Follow-up actions for non-compliance reflect courses of action that would be similar for a professional in a work setting. These actions are listed at the end of each category.

**GROUP I**

**THIS CATEGORY ADDRESSES MAJOR COMPLIANCE ISSUES AND APPROPRIATE MEASURES FOR PATIENT CARE IN A HEALTH SETTING.**

The following thirteen points are critical to the successful training and employment of health care professionals and should be followed from the onset of training and referenced as models for behavior to be continued throughout one’s career:

1. You must comply with Indiana State law both on campus and at off-campus locations. This includes, but is not limited to interactions with clients, patients and their families, faculty, peers and personnel of affiliating agencies.

2. You must refrain from consuming, being under the influence of, or possessing
intoxicating beverages or unauthorized prescription or non-prescription drugs on College property or at the clinical sites. If suspected of being under the influence in the clinical area, you must submit to a serum and/or urine test at your own expense. Results of the tests must be released to the College. Refusal to comply would result in removal from the clinical area and possible recommendation for dismissal pending a conference with faculty regarding professional conduct expectations.

3. You will adhere to state and federal confidentiality laws, including but not limited to HIPAA and clinical affiliate confidentiality policies and procedures. You will maintain confidentiality about all aspects of the clinical experience, this includes confidentiality for all patients, fellow students, clinical affiliate employees, physicians, and operations of the clinical affiliating agency. If there is a situation that arises that requires disclosure of information by law, you must seek out guidance from your clinical faculty member or the Dean of the School of Health Sciences before proceeding with that disclosure.

a) You will only discuss confidential information in secure and appropriate locations and with those individuals who have a need/right to know.

b) You will not remove or photocopy any part of the patient/client or clinical records.

c) You will not use any patient identifiers, as defined by HIPAA, in written assignments.

d) You will destroy any notes you have taken to enable you to provide care for your patient according to the clinical affiliate policy and will not carry those notes outside of the clinical agency if they contain any patient identifiers.

e) You are expected to follow guidelines in this Student Handbook with regard to social media, cell phones, email or other electronic media.

4. You will follow guidelines regarding disruptive behavior, sexual harassment and discrimination activities and will exhibit appropriate physical, verbal, and nonverbal behavior towards patients, families, or personnel in cooperating agencies.

5. You will not falsify any component of the written or oral patient/client record.

6. You will exhibit behaviors that respect the dignity and rights of the patient/client regardless of socioeconomic status, personal attributes, or nature of health problem.

7. You must provide for patient safety at all times, including, but not limited to adherence to Standard Precaution Guidelines, safety rules and regulations, use of safety equipment and following written protocol for all diagnostic procedures.
and policies in the clinical setting.

8. You will not abandon or neglect patients/clients requiring health care.

9. You will not leave the assigned clinical unit during assigned clinical hours without permission and without providing for safe patient hand-off.

10. You will not perform any technique or procedure for which you are unprepared by education or experience and/or without faculty approval.

11. You will guard against theft, abuse, misuse, or destruction of personal property, College property or property located on the College property or clinical site.

12. You will not possess firearms and other weapons, dangerous chemicals, or any explosives or explosive device on College property or at any College-sponsored activity held elsewhere including clinical practicum sites.

13. You will not cheat on papers, tests, or other academic works including clinical practicum assignments.

**IN THE EVENT OF NON-COMPLIANCE WITH EXPECTATIONS LISTED ABOVE:**

*Because these expectations cannot be compromised, non-compliance is a serious matter. Students are encouraged to address any related questions prior to the start of the term, or on any given day that a question arises, by seeking counsel of faculty.*

**ACTION:** If non-compliance in any of these areas becomes evident, a written status report or other documentation will be prepared and the student will be required to meet with the Chair and/or Dean of the School of Health Sciences. The Chair and/or Dean will further investigate and make a recommendation regarding action taken by the School of Health Sciences. Recommended actions may include: continued enrollment in the clinical course with additional requirements stipulated and an appropriate reduction in the clinical grade as determined by the clinical evaluation tool, administrative withdrawal and failure of the clinical course, a change in program status up through and including permanent removal from the program. In the event a student is permanently dismissed from one program, he/she may not apply for admission to a health care support program at any other Ivy Tech Community College campus. In addition, further disciplinary action may be recommended according to College policy. Pending outcome of the recommendations, the student will not be permitted to engage in patient care until approved to do so by the Dean of the School of Health Sciences. Further, if allowed to continue, the student will be required to complete remediation as prescribed by the Chair and/or Dean prior to re-enrolling in any clinical course.
GROUP II

THIS CATEGORY RELATES TO GENERAL PROTOCOL AND GUIDELINES:

1. You are expected to follow program guidelines regarding the attendance policy and notification of intended absence. You must follow rules/regulations pertaining to the occupational area and/or clinical affiliate policy.

2. You must refrain from smoking or using other tobacco products in restricted areas.

3. You will not solicit, vend or distribute literature, written or printed material in the clinical setting without proper authorization.

4. You will not accept gratuities from patients; this includes both monetary and non-monetary gifts.

IN THE EVENT OF NON-COMPLIANCE WITH EXPECTATIONS LISTED ABOVE:

These four items reflect appropriate responses as related to professional protocol and guidelines that are expected while in the student role and once employed in a health care field.

ACTION: Any behavior not meeting the expectations listed above would result in a written status warning report for the first incident and will impact the clinical grade. The student would be asked to acknowledge receipt of the warning, and should take the initiative to review what is expected and modify behavior accordingly.

In the event that any subsequent infraction(s) occur(s) involving one of the Group II expectations and/or a previous infraction of a Group I expectation, a written status report or other documentation will be prepared and the student will be required to meet with the Chair and/or Dean of the School of Health Sciences. The Chair and/or Dean will further investigate and make a recommendation regarding action taken by the School of Health Sciences. Recommended actions may include: continued enrollment in the clinical course with additional requirements stipulated and an appropriate reduction in the clinical grade as determined by the clinical evaluation tool, administrative withdrawal and failure of the clinical course, a change in program status up through and including permanent removal from the program. In the event a student is permanently dismissed from one program, he/she may not apply for admission to a health care
support program at any other Ivy Tech Community College campus. In addition, further disciplinary action may be recommended according to College policy. Pending outcome of the recommendations, the student will not be permitted to engage in patient care until approved to do so by the Dean of the School of Health Sciences. Further, if allowed to continue, the student will be required to complete remediation as prescribed by the Chair and/or Dean prior to re-enrolling in any clinical course.

**ADDITIONAL PROFESSIONAL CONDUCT EXPECTATIONS SPECIFIC TO THOSE WHO PREPARE AND/OR ADMINISTER MEDICATIONS (PHAR202 PHARMACY TECHNICIAN EXPERIENTIAL SEMINAR, HLHS117 QMA PREPARATION):**

**NOTE:** Administration of medications is prohibited by all students in the Health Care Support program, except for those students enrolled in HLHS117, and would be subject to the ACTIONS described in Group I. Administration of medications without faculty approval is prohibited and will be subject to the ACTIONS described in Group I.

1. A potential medication error that is prevented by the clinical faculty member will still be considered a medication error on the part of the student.

2. You will ensure that medications are administered on time and in accordance with patient care plans.

3. You will follow correct medication procedure as summarized in the “Six Rights” listed below:

   **SIX RIGHTS**

   ✐ Right Patient  
   ✐ Right Medication  
   ✐ Right Dose  
   ✐ Right Time/Date  
   ✐ Right Route  
   ✐ Right Document
4. You will be prepared to verbalize knowledge of medications and the relationship to the patient.

5. You will calculate proper medication dosage or safe dosage in the clinical area.

6. You will calculate and prepare, but not dispense or administer medications until verified and directly supervised by a licensed professional qualified to dispense or administer medications.

7. You will report any medication error to your clinical faculty member or clinical agency staff nurse immediately in order that appropriate action may be taken to care for the involved patient and so that appropriate clinical agency policies are followed.

**IN THE EVENT OF NON-COMPLIANCE WITH EXPECTATIONS LISTED ABOVE:**

Medications errors are a leading cause of patient injury and must be taken seriously. Consistent with current practice guidelines, the school supports the initial stance of conducting a root-cause analysis to help prevent future errors. In the event of an error, the student will be expected to meet with the faculty member to determine strategies to prevent future errors and will be expected to participate as requested in any root-cause analysis conducted by the clinical agency. However, repeated errors constitute a failure to demonstrate competence and safety in this important component of patient care and will be subject to actions that will impact the student’s status in the program.

**ACTION:** Every medication error will be documented on a student status form and will impact the clinical grade. The student will be expected to acknowledge receipt of this feedback, review appropriate procedures, address any related questions with faculty, and initiate precautionary measures to make certain that it does not happen again. In the event that there is more than one documented student status form for medication-related errors, occurring at any point throughout the student’s enrollment in the program, a written status report or other documentation will be prepared and the student will be required to meet with the Chair and/or Dean of the School of Health Sciences. The Chair and/or Dean will further investigate and make a recommendation regarding action taken by the School of Health Sciences. Recommended actions may include: continued enrollment in the clinical course with additional requirements stipulated and an appropriate reduction in the clinical grade as determined by the clinical evaluation tool, administrative withdrawal and failure of the clinical course, a change in program status up through and including permanent removal from the program. In the event a student is permanently dismissed from one program, he/she may not apply for admission to a health care support program at any other Ivy Tech Community College campus. In addition, further disciplinary action may be recommended according to College policy. Pending outcome of the recommendations, the student will not be permitted to engage in patient care until approved to do so by
the Dean of the School of Health Sciences. Further, if allowed to continue, the student will be required to complete remediation as prescribed by the Chair and/or Dean prior to re-enrolling in any clinical course and subsequent infractions will be subject to the same process as described above.

**Academic Honesty Statement**

The College is committed to academic integrity in all its practices. The faculty value intellectual integrity and a high standard of academic conduct. Activities that violate academic integrity undermine the quality and diminish the value of educational achievement.

Cheating on papers, tests or other academic works is a violation of College rules. No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as the acquisition without permission of tests or other academic materials and/or distribution of these materials and other academic work. This includes students who aid and abet as well as those who attempt such behavior.

**Grading Practices**

The Health Care Support Program will use the following grading scale:

- 93-100  A
- 85-92   B
- 79-84   C
- 75-78   D
- 0 – 74  F

**Evaluation of Student Learning**

*General Education Outcomes Assessment*

Graduates’ skills in several general education areas are assessed to determine whether they meet the learning outcomes defined for general education and whether their performance with respect to these outcomes has improved during their period of enrollment at the College.

The College uses the Collegiate Assessment of Academic Proficiency (CAAP) exam to identify skills in Math, English, Scientific Inquiry and Critical Thinking. CAAP is used at many colleges around the country. Each associate degree graduate will take two of the four modules possible. Tests will be given in the capstone course. Capstone courses represent the culminating experiences in the student’s program.
The College places a strong emphasis on student learning outcomes as a focus for planning and institutional improvement. Students will receive a copy of their CAAP scores; in addition, students who score at or above the national mean will receive a “certificate of achievement” for each module. Certificates of achievement may be useful to a student in building their resume or portfolio.

**Technical Outcomes Assessment**

The primary purpose of technical outcomes assessment is to determine the Ivy Tech graduates’ mastery of the professional knowledge, comprehension, and skills required for the field the students are preparing to enter. Technical outcomes assessment also provides statewide curriculum committees with necessary information regarding the currency of the curriculum and effectiveness of student learning.

Ivy Tech Community College Health Care Support Programs utilize a comprehensive portfolio prepared as a component of the capstone course, HLHS279. The portfolio will include key components of the students' professional preparation throughout the Health Care Support curriculum. A well-developed portfolio will be an invaluable tool in gaining employment in the health care field.

**Certification/Licensure**

In the state of Indiana, certification is not required for all healthcare careers. However, it is highly recommend that students complete certification examinations for which they are eligible following completion of the appropriate certification pathway. Professional certification signifies a level of expertise in your field. It gives you, and your employer, confidence in your job skills. For some healthcare careers, certification is required for employment. In Indiana, Certified Nurse Assistants, Qualified Medication Aides, Emergency Medical Technicians and Pharmacy Technicians must be certified. Positive findings on a criminal background check may impact an individual’s ability to obtain licensure or certification or to gain employment.

**Student Requirements Associated with Clinical Affiliation Agreements**

Student clinical/externship experiences are arranged by program faculty and affiliation agreements obtained with clinical affiliating agencies. These agreements outline the responsibilities and privileges of both parties. In an off-campus setting, it is the policy of the College that faculty and students shall conform to all policies of the affiliating agency, including drug screening, criminal background checks, physical examination, immunization records, tuberculosis screening, and certification in basic life support.
Criminal Background Checks and Drug Screening

Purpose

Requiring criminal background checks and drug screenings ensures students meet the same standards as health care facility employees. This will also provide consistency for Ivy Tech School of Health Sciences and School of Nursing programs. Health care facilities are obligated to document that any individual authorized to provide such care does not have a criminal history of mistreatment, neglect, violence, defrauding the public, or otherwise taking advantage of another person and has no record of illegal use of pharmaceuticals or use of any illegal substances.

Organizational Scope or Audience

This policy applies to all students who will have direct patient contact within a health care facility or laboratory, or other setting where health care is provided, as well as students who do not have direct patient contact but engage in practice-based learning within a setting where health care is provided.

Definitions

Drug Screening: technical analysis of a biological specimen - for example urine, hair, blood, sweat, or oral fluid / saliva - to determine the presence or absence of specified parent drugs or their metabolites.

Practice-based learning: as applicable to this policy, any course of study in which the student may be assigned to a healthcare or practice laboratory setting to meet course objectives. This includes, but is not limited to, assignment in any setting where a student provides direct patient care or patient care services, has direct contact with patients or their families in an observational role, has access to patients’ health records, or is performing invasive healthcare procedures in a campus laboratory setting.

Policy

Criminal background checks and drug screenings will be required for all currently enrolled clinical students and newly admitted students in School of Health Sciences and School of Nursing programs. Completion of a criminal background check and drug screening are required for admission and/or clinical placement in Health and Nursing programs. The criminal background check and drug screening may be done either before enrollment in the professional courses or just prior to the first day of clinical or externship as specified by the program. Additional criminal background checks and/or
drug screenings will be required in programs for students enrolled in clinical courses more than 12 months.

Students who are enrolled in courses for credit or non-credit, but who are not in a degree-seeking program, may be exempt from the drug testing and background check requirements in this policy. Further, additional or different requirements may apply to students in any program for which rules or regulations external to College policy exist.

Students who are not continuously enrolled in a program until completion may be required to complete additional checks upon re-entry to a program or admission to a different program in the School of Health Sciences or School of Nursing. Clinical sites or the College may request additional background checks or drug screenings at their discretion.

Students who are denied clinical placement or who are withdrawn from enrollment in a clinical course due to clinical site refusal to accept students with positive findings on criminal background checks or drug screenings, may reapply to the same or different School of Health Sciences or School of Nursing program the next semester, but will need to comply with additional criminal background checks or drug screenings as required. College program admission and progression policies will apply. If a student is denied placement for clinical at one site, up to two more attempts will be made to place the student at other clinical sites if other sites are available.

Procedure

The student is responsible for completing the online processes and other required paperwork, paying for the criminal background check and drug screening, working with the company providing the criminal background check and drug screening for any follow-up information or testing that may be required, and monitoring the results of the criminal background check and drug screening. By participating in the required criminal background check and drug screening, students are giving the College permission to release information as needed to the clinical affiliates. The College will provide clinical sites an assurance that background checks and drug screenings will be completed for every student. The student, the College, and clinical sites will have access to the secure web-based results.

The student will initiate the required background check and drug screening with the company of the College's choice by the due date designated by the program. Students who refuse to comply with the background check and drug screening will not be eligible to enroll in clinical courses, and therefore will not be eligible to enroll, progress, and/or graduate from the program.
The background check will include the following elements (additional elements may be added if required by the clinical site):

- County, state, and federal criminal record searches of all places of principal residences for the past 7 years (or since age 18, if less than 25 years old). Records will be verified against all known names and addresses as revealed on the social security report.
- National criminal history database that includes 50-state sex offender and Office of Foreign Assets Control (OFAC) List of Specially Designated Nationals (SDN).
- Office of Inspector General (OIG)/General Services Administration (GSA) Sanction Reports, United States Treasury, applicable state exclusion list
- Social security verification and residency report
- Maiden name and alias report

The drug screening will include the following elements (additional elements may be added if required by the clinical site) Note: examples of common names for drugs or illegal substances are listed in parentheses.

- Marijuana (cannabis, weed, hemp)
- Cocaine (coke, snow, blow)
- Opiates (morphine, codeine)
- Amphetamines and methamphetamines (Ritalin, Ecstasy, speed, meth)
- Phencyclidine (PCP, angel dust)
- Propoxyphene (Darvon)
- Barbiturates (Valium, Librium)
- Methadone (oxycodeone, hydrocodone, Vicodin)
- Benzodiazepines (Versed, Dalmane, Restoril, Xanax)
- Methaqualone (Quaalude, Sopor)

The student will have access to findings of the criminal background check and drug screening, via the results posted on the secure web site, as required by the Fair Credit and Reporting Act. The student has both the responsibility and the right to challenge any information in the findings that the student believes to be erroneous with the company providing the background check and drug screening. The student is responsible to present documentation of any clarification of the findings to the College, and the College may share that documentation with the clinical site(s).

The student may reapply to the same program or another program in the School of Health Sciences or the School of Nursing the next semester. The student will need to complete the criminal background test again if s/he is readmitted. College program admission and progression policies will apply.
Disclaimers

- Completion of a criminal background check and drug screening for a Health Sciences or Nursing program does not ensure admission to or continued enrollment in any program.
- Completion of a criminal background check and drug screening for a Health Sciences or Nursing program does not ensure eligibility for licensure, credentialing, or future employment. Additional criminal background checks and/or drug screenings may be required for licensure, credentialing, or employment.
- Clinical affiliates can establish more stringent standards for criminal background checks and/or drug screenings than those required by the College, and students will be required to meet those standards.
- Clinical affiliates can conduct additional background checks and drug screenings (including random drug screenings during clinical) at their discretion.
- Completion of background checks and/or drug screenings from other vendors, such as those required by current employers of the students, may not be used in lieu of the College requirements.
- If a student is found to be ineligible for clinical placement at any time during the program, the student will be withdrawn from the clinical course and any co-requisite courses pending resolution of the situation.

Protection of confidential information from the background checks and drug screenings

Information obtained from the result of student background checks and drug screenings will be treated as confidential information, and protected from unauthorized access. Authorization to view the results will be limited to individuals who make clinical assignments and designated individuals at clinical sites requesting the information for students placed at the sites. Release of the results of criminal background checks and drug screenings to clinical sites is given for the purpose of clinical placement. In the event that a student is prevented from enrolling in and/or completing a clinical course or courses due to the results of the drug screen and/or criminal history background check, a printed copy of the results and a memorandum summarizing the rationale and action(s) taken at that time will be maintained in a secure (locked file cabinet) School of Health Sciences and School of Nursing file for seven (7) years.

Procedures for Determining Eligibility for Clinical Placement

1. Eligibility for Clinical Experiences with Affiliating Clinical Agencies

Clinical sites have the right to refuse any student for clinical placement. Policy at clinical sites may vary in whether or not students with particular positive findings on the background check will be allowed to attend clinical. In the event there are positive findings on any portion of the criminal background check, a primary clinical site will be notified and requested to make a decision on whether or not the student will be allowed to complete a rotation at the site, in light of the specific positive findings on the
criminal background check. If the clinical site will not allow the student to participate in clinical at that site, the program chair will contact up to two additional clinical sites offering the same type of clinical experience, if available, to attempt to place the student. If these attempts do not result in a clinical site placement for the student, the student will be notified that s/he may not enroll in clinical courses and any co-requisite courses. In most cases, this will mean that the student will not be able to progress in the program, and will therefore not be able to complete the courses required for graduation. Ineligibility must be documented.

2. **Eligibility for Clinical Experiences in Campus-Based Clinical Services**

Certain School of Health Sciences and School of Nursing programs, including Dental Assisting, Dental Hygiene, and Therapeutic Massage, may offer services to the general public and/or Ivy Tech students and employees in campus-based laboratories or clinics. In these courses, the Criminal Background Check and Drug Screen results will be reviewed by the Program Chair, and a determination will be made on whether or not each student is able to participate in the patient care activities based on the results. Any recommendation by the Program Chair to not allow a student to participate in patient care activities based on the results of the Criminal Background Check or Drug Screen results will be reviewed and approved by the appropriate School of Health Sciences or School of Nursing Deans and the Vice Chancellor for Academic Affairs.

**Positive Drug Screen:**

Students with any positive result on the drug screen, and not otherwise cleared by the testing company after retesting and/or testing company medical officer review, shall not participate in campus-based direct care activities, including accessing patient health information, providing any type of direct patient care, or assisting another health care worker with patient care.

**Criminal Background Check:**

Students with any criminal conviction or guilty pleas for the following shall not participate in campus-based patient care activities, including accessing patient health information, providing any type of direct patient care, or assisting another health care worker with patient care:

1. Rape
2. Criminal deviate conduct
3. Exploitation of an endangered adult or a child
4. Failure to report battery, neglect, or exploitation of an endangered adult or a child
5. Theft, if the person’s conviction for theft occurred less than ten (10) years before the date of submission by the person of an application for the criminal
background check for the purposes of entering or completing an educational program at Ivy Tech Community College
6. Conviction of any crime which requires registration with any state or national Sexual Offender Registry
7. Aggravated murder
8. Murder
9. Voluntary manslaughter
10. Felonious assault
11. Kidnapping
12. Sexual Battery
13. Aggravated arson
14. Aggravated robbery
15. Aggravated burglary
16. Any misdemeanor or felony drug law conviction

Ineligibility must be documented.

**Physical Examination and Health Records**

A physical examination is required not more than one year prior to beginning certification pathway courses in order to identify health status and accommodation needs. The student’s health care provider must complete a physical assessment to determine if the student is capable of undertaking the Essential Functions of Health Care Support Students (included on the following pages). Records of current immunization status and tuberculosis screening are required by affiliating clinical institutions and the Indiana State Department of Health. Submission of the health records occurs after the student is selected for admission, but prior to the start of the first nursing course. Students will be required to keep immunizations and tuberculosis screening current and to provide the School of Health Sciences with updated health records as necessary throughout their enrollment in the program.

**Essential Functions of Health Care Support Students**

Qualified applicants are expected to meet all admission criteria and matriculating students are expected to meet all progression criteria, as well as these essential functions. **Students with documented need for accommodations are to meet with the campus Disabilities Support Services Representative.**
<table>
<thead>
<tr>
<th>Function</th>
<th>Program-Specific Examples</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>GROSS MOTOR SKILLS</td>
<td>Move within confined spaces</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>Maintain balance while sitting and standing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reach above shoulders and below waist(e.g., IV poles, plug electrical appliance into wall outlets)</td>
<td></td>
</tr>
<tr>
<td>FINE MOTOR SKILLS</td>
<td>Manipulate small objects with fingers (e.g., IV tubing, pencil, manipulate a syringe, eye dropper, write with pen or pencil)</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>Key/type (e.g., use a computer)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Twist (e.g., turn objects/knobs using hands)</td>
<td></td>
</tr>
<tr>
<td>PHYSICAL ENDURANCE</td>
<td>Prolonged standing (e.g., at client side during surgical or therapeutic procedure)</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>Sustain repetitive movements (e.g., CPR)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Maintain physical tolerance (e.g., work entire shift)</td>
<td></td>
</tr>
<tr>
<td>PHYSICAL STRENGTH</td>
<td>Push, pull, support and lift 50 pounds (e.g., position clients, ambulate client, pick up a child, transfer client)</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>Move light object weighing up to 10 pounds (e.g., IV poles)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Move heavy objects (transfer, transport, assist falling patients to ground)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Defend self against combative client.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carry equipment/supplies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Use upper body strength (e.g., perform CPR, physically restrain a client)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Squeeze with hands (e.g., operate fire extinguisher)</td>
<td></td>
</tr>
<tr>
<td>MOBILITY</td>
<td>Twist and bend</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>Stoop/squat</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Move quickly (e.g., response to an emergency)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Climb (e.g., ladders/stools/stairs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Walk</td>
<td></td>
</tr>
<tr>
<td>AUDITORY</td>
<td>Hear normal speaking level sounds (e.g., person-to-person report)</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>Hear faint voices</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hear faint body sounds (e.g., blood pressure sounds, assess placement of tubes)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hear in situations when not able to see lips (e.g., when masks are used)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hear auditory alarms (e.g., monitors, timers, fire alarms, call bells)</td>
<td></td>
</tr>
<tr>
<td>Function</td>
<td>Program-Specific Examples</td>
<td>Frequency</td>
</tr>
<tr>
<td>-----------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
</tbody>
</table>
| VISUAL          | See objects up to 20 inches away (e.g., information on a computer screen, skin conditions)  
                        See objects up to 20 feet away (e.g., client in a room)  
                        See object more than 20 feet away (e.g., client at end of hall)  
                        Use depth perception  
                        Use peripheral vision  
                        Distinguish color (e.g., specimens, lab reagents, color codes on supplies, charts, bed)  
                        Distinguish color intensity (e.g., flushed skin, skin paleness)                                                                                     | C         |
| TACTILE         | Feel vibrations (e.g., palpate pulses)  
                        Detect temperature (e.g., skin solutions)  
                        Feel differences in surface characteristics, sizes and shapes (e.g., skin turgor, rashes, palpate vein, identify body landmarks)  
                        Detect environment temperature (e.g., check for drafts)                                                                                           | C         |
| OLFACTORY       | Detect odors from client and environment (e.g., foul smelling drainage, alcohol breath, lab chemicals/reagents)  
                        Detect smoke, gases or noxious smells etc.)                                                                                                          | C         |
| COMMUNICATION   | Engage in verbal, two-way communication, in English, with others of a variety of social, emotional, cultural and intellectual backgrounds (e.g., client interaction in person and via telephone, physician orders, co-workers)  
                        Discern and interpret nonverbal communication                                                                                                            | C         |
| EMOTIONAL STABILITY | Establish therapeutic boundaries  
                        Adapt to changing environment/stress/crisis  
                        Focus attention on task  
                        Monitor own emotions  
                        Handle strong emotions (e.g., grief)                                                                                                                     | C         |

*Note: Students with disabilities requiring accommodations must meet with the College Disabilities Support staff.*

**Universal Standard Precautions**

According to the Universal Standards Rule 410 IAC 1-4 under Public Law 123-1988: "An employer shall provide training and the necessary equipment to each employee and student trainee who has duties that require the employee to have direct contact with blood or body fluids in the scope of the employee's employment." This training must include instruction in the procedures "Universal Standards" adopted by the Indiana State Department of Health. Because students in the Health Care Support program may have direct contact with blood or other body fluids, the program is required to provide annual training in Universal Standards to comply with agency affiliation agreements.
Caring for patients with communicable diseases and opportunistic parasites increases the possibility of student susceptibility for acquiring these infections/infestations. All students who are enrolled in clinical or laboratory courses accept responsibility for consistent and correct use of Universal Standard Precautions at all times.

Confidentiality

As part of their affiliation with clinical agencies, students enrolled in clinical/externship courses are required to comply with Federal HIPAA regulations, state regulations, and facility policies with regard to privacy of patient information. All information, which is learned about a patient, is considered to be confidential information. Confidential information may NOT be discussed in any public place – such as the student lounge, the halls of the hospital or school, hospital cafeteria or any similar public place.

Written information, such as care plans, physician’s notes, growth and development papers, etc. pertaining to a patient, or any written information must be guarded as confidential. Any written information should contain only the patient's initials and never the patient’s name or any other identifying information.

DO NOT DISCUSS CLINICAL EXPERIENCES in any public place. Confidentiality of patients, staff, faculty and students is to be maintained at all times. Patient information or clinical situations should never be discussed in public places or on social networking sites even if the patient is not referred to by name.

Photocopying of any patient records or removal of patient records from the clinical facility is expressly forbidden.

Photography of any patient or clinical situation is strictly prohibited.

Violations of privacy regulations/policies may result in immediate dismissal from the program as outline in Guidelines for Professional Conduct, as well as civil and criminal penalties.

Social Networking (for example Facebook and Twitter) and Cell Phone Guidelines

Students shall not use online social networking to harass, threaten or discriminate against other students, faculty, staff or any member of the public.

Text, photos, e-mails or videos that are demeaning or insulting to others may not be used/posted.

Personal information about students, faculty, staff or clinical sites may not be shared on networking sites without written permission from all parties involved.
Computers and cell phones are not to be used during class or clinical time for social networking, texting, e-mailing or other recreational use.

Students should be aware that information posted on these sites that violates the Guidelines for Professional Conduct outline in this handbook, may result in disciplinary action up to and including expulsion from the program. Furthermore, such violations can place the student at risk for civil and criminal penalties.

**Health Care Support Curriculum of Record**

*Associate of Applied Science - Clinical Support Concentration*

Students must choose a minimum of two (2) certifications and a minimum of one (1) concentration elective to meet 60 credits required for the Associate of Applied Science degree with a Clinical Support Concentration. Students completing the Associate of Applied Science degree must complete the entire sequence of indicated courses in order to be eligible to sit for the appropriate certification exam.

**Health Care Support**

**Associate of Applied Science in Health Care Support Total: 60 Credit Hours**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr hrs</th>
<th>Prerequisites</th>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>IVYT XXX Student Success Elective</td>
<td>1-3</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 101 Medical Terminology</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APHY 101 Anatomy &amp; Physiology I</td>
<td>3</td>
<td>ENGL 093, ENGL 083, MATH 015/023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 111 Written Composition I</td>
<td>3</td>
<td>ENGL 093, ENGL 083,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 100 Introduction to Health Careers</td>
<td>3 None</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XXXX XXX Quantitative Reasoning Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Cr hrs</th>
<th>Prerequisites</th>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>APHY 102 Anatomy &amp; Physiology II</td>
<td>3</td>
<td>APHY 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 105 Medical Law and Ethics</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 111 Health and Wellness for Life</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XXXX XXX HLCS Certification Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>XXXX XXX HLCS Statewide Concentration Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 101 Fundamentals in Public Speaking (OR) Introduction to Interpersonal Communication</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 102</td>
<td></td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Cr hrs</th>
<th>Prerequisites</th>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>CINS 101 Introduction to Microcomputers</td>
<td>3</td>
<td>ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 211 Nutrition</td>
<td>3</td>
<td>ENGL 093, ENGL 083, HLHS 111</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Notes</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
<td>--------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>HLCS 279</td>
<td>Health Care Support Capstone Course</td>
<td>1</td>
<td>None HLHS Program Chair Approval</td>
<td></td>
</tr>
<tr>
<td>XXXX XXX</td>
<td>HLCS Statewide Concentration Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XXXX XXX</td>
<td>HLCS Statewide Concentration Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XXXX XXX</td>
<td>HLCS Statewide Concentration Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XXXX XXX</td>
<td>HLCS Statewide Concentration Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XXXX XXX</td>
<td>HLCS Certification Elective or HLCS Statewide Concentration Elective</td>
<td>1-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Concentration Electives – Choose 1 to 6 Courses

See attached list. **STATEWIDE ELECTIVES 2012 - 2013**

<table>
<thead>
<tr>
<th>Total</th>
<th>60 Credit hours</th>
</tr>
</thead>
</table>

### Certificates: Choose at least TWO (2) from the certifications listed below.

- Phlebotomy (5 credit hours)
- Electrocardiography (12 credit hours)
- Certified Nursing Assistant (5 credit hours)
- Qualified Medication Aide (5 credit hours)
- Dementia Care (3 credit hours) – offered through Corporate College.
- Home Health Aide (5 credit hours)
- Pharmacy Technician (12 credit hours)
- Emergency Medical Technician (7.5 credit hours) – offered through the Paramedic Science Program
- Activities Director Certification (6 credit hours) – offered through the Human Services Program
- Medical Office Administration (9 credit hours)
- Outpatient Insurance Coding (9 credit hours)
- Social Services Designee (3 credit hours) – offered through the Human Services Program
- Therapeutic Massage (23 credit hours) Please see Therapeutic Massage Health Care Support AAS degree Curriculum.

- General Education: 19-21 credits
- Professional-Technical: 19 credits
- Certificates + Concentration Electives: 20-22 credits

**Associate of Applied Science in Health Care Support Total:** 60 credits

*FOR MORE TRANSFER INFORMATION GO TO www.transferin.net*

Effective Fall 2013
HLHS 100 Introduction to Health Careers 3 credits
Presents information on the health care system and employment opportunities at a variety of entry levels. Includes an overview of health care development, how health delivery systems are organized, legal and ethical considerations of health care delivery, and an overview of various health care professions. Students are encouraged to explore health professions through assignments, observations and interviews. Prerequisite: None

HLHS 101 – Medical Terminology 3 credits
Addresses basic terminology required of the allied health professional and provides a basic knowledge of anatomy and physiology, pathology, special procedures, laboratory procedures, and pharmacology. Greek and Latin prefixes, suffixes, word roots, and combining forms are presented. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation. Medical abbreviations, signs, and symbols are included. Prerequisites: ENGL 093, ENGL 083

HLHS 105 Medical Law and Ethics 3 credits
This introductory course provides an overview of law and ethics for allied health professionals functioning in a variety of settings. Topical areas include: the legal system, standards and scope of care and practice, physician patient relationships, standards of professional conduct, public duties, documentation, employment laws and practices, pertinent federal/state statutes, ethical codes, and bioethical issues. The content will provide an understanding of ethical and legal obligations to self, patients, and employer. Prerequisites: ENGL 093, ENGL 083

HLHS 111 Health and Wellness for Life 3 credits
This course promotes the development and maintenance of health and wellness throughout life. Current topics of interest such as stress management, nutrition, fitness, environmental health, and changing needs during various stages of life are explored. Students evaluate their own health and risk factors associated with modern lifestyles. Prerequisites: ENGL 093, ENGL 083

HLHS 211 Nutrition 3 credits
Introduces the principles of nutrition and diet therapy for various age groups. Considers socioeconomic, ethnic, and religious factors related to diet. Also focuses on nutritional issues often presented in a healthcare setting, such as weight management, diabetes education, nutritional deficiencies and recommended treatments, nutritional assessment techniques, and the special nutritional needs of individuals with specific health disorders. Prerequisites: ENGL 093, ENGL 083, and HLHS 111

HLHS 279 Health Care Support 1 Credit
^ Capstone Course
Prepares the student for entry into the health care world. Reviews procedures for interviewing, team participation, and ethical and productive job performance. Provides for taking program outcomes assessments. Prerequisites: Program Advisor Approval.

Effective 7/31/13

Statewide Electives 2012-2013

APHY 201 Advanced human Physiology 4 credit
BIOL 2XX Microbiology Elective 3-4 credit
CHEM 1XX Chemistry Elective 3-4 credit
DENT 171 Dental Terminology 4 credit
HLHS 103 Dosage Calculations 1 credit
HLHS 104 AHA Provider CPR/AED 0.5 credit
HLHS 106 Health Care Support Certifications 3 credit
HLHS 115 Pharmacology for Health Care Support 3 credit
HLHS 118 Diversity in Health Care 3 credit
HLHS 171 Restorative and Rehab Therapy Aide 3 credit
HLHS 202 Community Resources 3 credit
HLHS 203 Disability Awareness in Health Care 3 credit
HUMS 120 Health and Aging 3 credit
HUMS 140 Loss and Grief 3 credit
MEAS 215 Advanced Medical Terminology 3 credit
MEAS 219 Medical Assisting Laboratory Techniques 3 credit
MEAS 242 Disease Conditions 3 credit
PHYS 101 Physics I 4 credit hours
PTAS 101 Introduction to the Physical Therapy Assistant 3 credit hours
SCIN 111 Physical Science 3 credit hours

XXXX XXX Social and Behavioral Sciences Elective 3 credit hours
## Health Care Support
### Associate of Applied Science: Therapeutic Massage Concentration
Total: 61 Credit Hours

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr hrs</th>
<th>Prerequisites</th>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>APHY 101 Anatomy &amp; Physiology I</td>
<td>3</td>
<td>ENGL 093, ENGL 083, MATH 015/023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 101 Medical Terminology</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IVYT 1XX Student Success Elective</td>
<td>1-3</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TMAS 101 Holistic Approach to Massage (fall)</td>
<td>3</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 100 Introduction to Health careers</td>
<td>3</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TMAS 122 Massage Financial Management (Spring)</td>
<td>3</td>
<td>Math 015/023</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>APHY 102 Anatomy &amp; Physiology II</td>
<td>3</td>
<td>APHY 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TMAS 120 Massage Technician Training I (fall)</td>
<td>3</td>
<td>ENGL 093, ENGL 083, MATH 015/023, APHY 101 (APHY 101 can be a Corequisite)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>COMM 102 Introduction to Interpersonal Communications (or)</td>
<td></td>
<td></td>
<td>ENGL 093, ENGL 083</td>
<td></td>
</tr>
<tr>
<td>COMM 101 Fundamentals in Public Speaking</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENGL 111 Composition</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 1XX Mathematics Elective</td>
<td>3</td>
<td>MATH 015 or 023</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Semester</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TMAS140 Massage Technician Training II (spring)</td>
<td>3</td>
<td>APHY 101, TMAS 120,</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 105 Medical Law and Ethics</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CINS 101 Introduction to Microcomputers</td>
<td>3</td>
<td>ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 111 Health and wellness for Life</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TMAS 205 Pathology and Massage (summer)</td>
<td>3</td>
<td>APHY 102, TMAS 120</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fourth Semester</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>XXXX XXXX Humanistic and Artistic Ways of Knowing Elective (or) Social and Behavioral Ways of Knowing</td>
<td>3</td>
<td>ENGL 093, ENGL 083, MATH 015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TMAS 202 Deep Tissue Muscle Release (spring)</td>
<td>3</td>
<td>TMAS 140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TMAS XXX Massage Statewide Elective</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 211 Nutrition</td>
<td>3</td>
<td>ENGL 093, ENGL 083, HLHS 111</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 279 Capstone</td>
<td>1</td>
<td>Program Advisor Approval</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL** 61

**Electives on next page**
Students are required to wear the following uniform in Therapeutic Massage classes: blue scrubs can be purchased from Ivy Tech Community College of Indiana Bookstore and white shoes purchased at your favorite shoe store. White lab coat optional.

**Students must complete the following in TMAS 120:**
- Health Statement (physical exam)
- Background Check
- Drug Screen
- CPR Certification (must be Red Cross CPR for Professional Rescuer/AED (or) American Heart for Health Care Providers/AED)

Ivy Tech cannot guarantee that any student will pass a certification or licensing exam. Your success will be determined by several factors beyond the instruction you are given in the classroom including your test-taking skills, your willingness to study outside of class, and your satisfactory completion of appropriate practice exams. Certification and licensure exam questions are drawn from databases of hundreds of possible questions; therefore, a thorough understanding of the subject matter is required. The goal of Ivy Tech is to assist you in understanding the material sufficiently to provide a firm foundation for your studies as you prepare for the exam.

*FOR MORE TRANSFER INFORMATION GO TO [www.transferin.net](http://www.transferin.net)*

Effective Fall 2013
Therapeutic Massage Certificate

**TMAS 101-Holistic Approach to Massage**  
3 credits

Consider the holistic approach to wellness with discussion including the connection of disease, the autonomic nervous system, and the emotions. Holistic Approach explores the importance of the mind-body connection. Prerequisites: None

**TMAS 120-Massage Technician Training I**  
3 credits

This course will explore in detail the history of massage, professional and legal issues of massage, sanitation, professional touch, and massage equipment and products. Coursework will include the anatomy, physiology and psychology of the body, by systems, and the effects of massage on each. Disease conditions will be discussed in terms of indications and contraindications for massage. Medical terminology will be introduced and used to prepare SOAP note documentation of massages performed. Students will perform circulatory massage techniques, body mechanics, and draping skills for full body relaxation massage. Prerequisites: ENGL 093, ENGL 083, MATH 015/023, APHY 101 (APHY 101 can be a Corequisite)

**TMAS 140-Massage Technician Training II**  
3 credits

Massage Technician Training II continues with instruction offered in Massage Technician Training I. Client consultations, conditions, and treatment plans are discussed. Emotional transference and psychological effects of massage will be addressed. Additional techniques and modalities addressed include deep friction, trigger point release, unwinding, PNF techniques, positional release, and intro to therapeutic exercise. Corporate (chair) massage is introduced. Guidelines for setting up a practice, including compliance with local state regulations, are discussed. Together these courses provide training for entry-level technicians into massage therapy. Prerequisites: TMAS 120 APHY 101

**TMAS 205-Pathology and Massage**  
3 credits

This course presents the basic concepts of diseases their courses and functional disturbances as they relate to body systems. Includes the precipitating risk factors and appropriate methods of patient education regarding various disease processes and specifications for massage treatment. Prerequisites: TMAS 120, APHY 102

**Electives (Choose One)**

**TMAS 141-Massage Through the Life Span**  
3 credits

This advanced course teaches the therapist to work with pregnant mothers to help ease the discomforts and stress that accompany pregnancy. Techniques to help with delivery are also addressed. It also addresses massage of infants and children to enhance bonding, relaxation, and comfort of the infant and child. Massage aspects of geriatric and disabled clients are addressed. Prerequisites: TMAS 120, APHY 101

**TMAS 201-Sports Massage, Injuries, and Hydrotherapies**  
3 credits

Presents a specific application of massage therapy designed to train the therapist in the treatment of athletes. Includes: pre-event and post-event techniques, general maintenance massage, and therapeutic exercises. First aid for sports injuries and the use of hydrotherapies will be explored. Prerequisites: TMAS 140

**TMAS 206-Palpation Skills**  
2 credits

This course is designed to develop the student’s palpation skills in order to enhance the practitioner’s ability to evaluate the human body and energy systems. The course teaches a deeper understanding of muscular anatomy, which includes craniosacral and fascial material. A substantial portion of this course will consist of exercises to refine palpation skills. Prerequisites: TMAS 140, APHY 102

Updated: 8/7/13

The College reserves the right to cancel classes due to low enrollment.

The college may revise any matter described in this publication at any time without publishing a revised version. This publication & its provisions are not in any way a contract between the student & Ivy Tech Community College of Indiana.

Ivy Tech Community College of Indiana
is an Accredited/Equal Opportunity/Affirmative Action Community College.
## Therapeutic Massage Certificate

**Therapeutic Massage Certificate Total: 26 Credit Hours**

<table>
<thead>
<tr>
<th>Certificate (3 Semesters) – 26 Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Semester</strong></td>
</tr>
<tr>
<td><strong>Course</strong></td>
</tr>
<tr>
<td>APHY 101</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>TMAS 101</td>
</tr>
<tr>
<td>TMAS 120</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

| **Spring Semester**                         |
| **Course** | **Cr hrs** | **Prerequisites** | **Term** | **Grade** |
| APHY 102  | 3          | APHY 101          | Fall      |           |
| ^TMAS140  | 3          | APHY 101, TMAS 120| Spring    |           |
| *TMAS 202 | 3          | TMAS 140          | Spring    |           |
| TMAS 122  | 3          | Math 015/023      | Summer    |           |

| **Summer semester**                        |
| **Course** | **Cr hrs** | **Prerequisites** | **Term** | **Grade** |
| TMAS 205  | 3          | APHY 102, TMAS 120|          |           |
| TMAS 206  | 2          | APHY 102, TMAS 140|          |           |

| **Total:** | 26 |

1st 8 Week Course  2nd 8 Week Course

Students are required to wear the following uniform in Therapeutic Massage classes: blue scrubs can be purchased from Ivy Tech Community College of Indiana Bookstore and white shoes purchased at your favorite shoe store. White lab coat optional.

**Students must complete the following in TMAS 120:**
- Health Statement (physical exam)
- Background Check
- Drug Screen
- CPR Certification (must be Red Cross CPR for Professional Rescuer/AED (or) American Heart for Health Care Providers/AED)

Ivy Tech cannot guarantee that any student will pass a certification or licensing exam. Your success will be determined by several factors beyond the instruction you are given in the classroom including your test-taking skills, your willingness to study outside of class, and your satisfactory completion of appropriate practice exams. Certification and licensure exam questions are drawn from databases of hundreds of possible questions; therefore, a thorough understanding of the subject matter is required. The goal of Ivy Tech is to assist you in understanding the material sufficiently to provide a firm foundation for your studies as you prepare for the exam.
APHY 101–Anatomy & Physiology I 3 credits
Develops a comprehensive understanding of the closer interrelationship between anatomy & physiology as seen in the human organism. Introduces students to the cell which is the basic structural & functional unit of all organisms & covers tissues, integument, skeleton, muscular & nervous systems as an integrated unit. Prerequisites: ENGL 093, ENGL 083, MATH 015 or MATH 023.

APHY 102–Anatomy & Physiology II 3 credits
Continues the study of the inter-relationships of the systems of the human body. Introduces students to the study of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Prerequisite: APHY 101

TMAS 101-Holistic Approach to Massage 3 credits
Considers the holistic approach to wellness with discussion including the connection of disease, the autonomic nervous system, and the emotions. Holistic Approach explores the importance of the mind-body connection. Prerequisites: None

TMAS 120-Massage Technician Training I 3 credits
This course will explore in detail the history of massage, professional and legal issues of massage, sanitation, professional touch, and massage equipment and products. Coursework will include the anatomy, physiology and psychology of the body, by systems, and the effects of massage on each. Disease conditions will be discussed in terms of indications and contraindications for massage. Medical terminology will be introduced and used to prepare SOAP note documentation of massages performed. Students will perform circulatory massage techniques, body mechanics, and draping skills for full body relaxation massage. Prerequisites: ENGL 093, ENGL 083, MATH 015/023, APHY 101 (APHY 101 can be a Corequisite)

TMAS 122-Massage Financial Management 3 credits
Provides instruction in massage office financial administration, bookkeeping, materials management and computer applications. Addresses product sales and inventory and bookkeeping for tax preparation. Client tracking methods will be discussed. Retirement planning and self-employment/employment issues will be explored. Prerequisites: Math 015/ 023

TMAS 140-Massage Technician Training II 3 credits
Massage Technician Training II continues with instruction offered in Massage Technician Training I. Client consultations, conditions, and treatment plans are discussed. Emotional transference and psychological effects of massage will be addressed. Additional techniques and modalities addressed include deep friction, trigger point release, unwinding, PNF techniques, positional release, and intro to therapeutic exercise. Corporate (chair) massage is introduced. Guidelines for setting up a practice, including compliance with local state regulations, are discussed. Together these courses provide training for entry-level technicians into massage therapy. Prerequisites: TMAS 120, APHY 101

TMAS 202-Deep Tissue/Muscle release 3 credits
Helps practitioners apply deeper techniques in the body therapy releasing chronically held tissue from past trauma, illness, or recent injury. Discusses the use of various treatment modalities. Deep tissue techniques include compression and compression with stroke. Prerequisites: TMAS 140

TMAS 205-Pathology and Massage 3 credits
This course presents the basic concepts of diseases their courses and functional disturbances as they relate to body systems. Includes the precipitating risk factors and appropriate methods of patient education regarding various disease processes and specifications for massage treatment. Prerequisites: TMAS 120, APHY 102

TMAS 206-Palpation Skills 2 credits
This course is designed to develop the student’s palpation skills in order to enhance the practitioner’s ability to evaluate the human body and energy systems. The course teaches a deeper understanding of muscular anatomy, which includes craniosacral and fascial material. A substantial portion of this
course will consist of exercises to refine palpation skills. Prerequisites: TMAS 140, APHY 102

Updated: 7/26/2013

The College reserves the right to cancel classes due to low enrollment.

The college may revise any matter described in this publication at any time without publishing a revised version. This publication & its provisions are not in any way a contract between the student & Ivy Tech Community College of Indiana.

Ivy Tech Community College of Indiana is an Accredited/Equal Opportunity/Affirmative Action Community College.
# Health Care Support

## PHARMACY TECHNICIAN

Pharmacy Technician Certificate – 21 Credit Hours

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr Hrs</th>
<th>Prerequisites</th>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLHS 101</td>
<td>3</td>
<td>Medical Terminology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APHY 101</td>
<td>3</td>
<td>Anatomy &amp; Physiology I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>APHY 102</td>
<td>3</td>
<td>Anatomy &amp; Physiology II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 115</td>
<td>3</td>
<td>Pharmacology for Health Care Support</td>
<td>APHY 101, or APHY 203, HLHS 101</td>
<td></td>
</tr>
<tr>
<td>PHAR 101</td>
<td>3</td>
<td>Pharmacy Technician I, 1st 8 weeks</td>
<td>RLHS 101, MATH 023 or MATH 015, HLHS 115 Pre or Corequisite PHAR 201</td>
<td></td>
</tr>
<tr>
<td>PHAR 201</td>
<td>3</td>
<td>Pharmacy Technician II, 2nd 8 weeks</td>
<td>PHAR 101</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Semester</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR 202</td>
<td>3</td>
<td>Pharmacy Technician Experiential Seminar, 1st 8 weeks</td>
<td>PHAR 101, PHAR 201, APHY 102 HLHS Program Chair Approval</td>
<td></td>
</tr>
</tbody>
</table>

**Total** 21

*Enroll in courses concurrently*

Ivy Tech cannot guarantee that any student will pass a certification or licensing exam. Your success will be determined by several factors beyond the instruction you are given in the classroom including your test-taking skills, your willingness to study outside of class, and your satisfactory completion of appropriate practice exams. Certification and licensure exam questions are drawn from databases of hundreds of possible questions; therefore, a thorough understanding of the subject matter is required. The goal of Ivy Tech in providing a certification exam studies class is to assist you in understanding the material sufficiently to provide a firm foundation for your studies as you prepare for the exam.

**FOR MORE TRANSFER INFORMATION GO TO [www.transferin.net](http://www.transferin.net)**

Effective Fall 2013

43
APHY 101–Anatomy & Physiology I 3 credits

Develops a comprehensive understanding of the close interrelationship between anatomy and physiology as seen in the human organism. Introduces students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integument, skeleton, muscular and nervous systems as an integrated unit. Prerequisites: ENGL 093, ENGL 083, MATH 015 or MATH 023.

HLHS 101 – Medical Terminology 3 credits

Addresses basic terminology required of the allied health professional and provides a basic knowledge of anatomy and physiology, pathology, special procedures, laboratory procedures, and pharmacology. Greek and Latin prefixes, suffixes, word roots, and combining forms are presented. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation. Medical abbreviations, signs, and symbols are included. Prerequisites: ENGL 093, ENGL 083

APHY 102–Anatomy & Physiology II 3 credits

Continues the study of the inter-relationships of the systems of the human body. Introduces students to the study of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Prerequisite: APHY 101

HLHS 115 Pharmacology for Health Care Support 3 credits

Introduces general pharmacology for health related professions including an overview of the history of drugs, federal and state regulations for the prescribing and distribution of therapeutic drugs, drug classifications, routes of administration, dosage calculation, and how to use printed and electronic sources of drug information. Emphasis will be given to selected drugs in various drug classifications to develop student understanding of the use, side-effects, contraindications, and potential drug interactions that are unique to each drug. Prerequisites: APHY 101, or APHY 203, HLHS 101.

PHAR 101 Pharmacy Technician I 3 credits

Introduces principles, career concepts, and skills needed to be a successful pharmacy technician in the state of Indiana. Provides a working knowledge of most aspects of pharmacy in community, institution, and other practice settings. Prerequisites: HLHS 101, MATH 023 or MATH 015 Corequisite PHAR 201, Prerequisite or Corequisite HLHS 115.

PHAR 201 Pharmacy Technician II 3 credits

This course focuses on entry-level skills performed by the pharmacy technician in various pharmacy settings. The student will engage in hands-on practice of activities typically performed by a pharmacy technician in a community, institution, or other pharmacy setting. Topics include information sources, reviewing and processing prescriptions, application of rules and regulations, institutional pharmacy, nonsterile compounding, and aseptic technique. Essential pharmacy calculations are presented with an emphasis on the development of problem-solving skills. Corequisites: PHAR 101

PHAR 202 Pharmacy Technician Experiential Seminar 3 credits

Provides the opportunity to observe, discuss and perform basic pharmacy related procedures under supervision, with learning experiences that prepare the student for practice in retail pharmacies and/or hospitals. Problem-solving skills are emphasized including pharmacy calculations and the use of information from written prescription orders. Prepares the student for national certification examination. Prepares student for national certification examination. Prerequisites: PHAR 101, PHAR 201, APHY 102, HLHS Program Chair Approval

Updated: 7/26/13

The College reserves the right to cancel classes due to low enrollment.

The college may revise any matter described in this publication at any time without publishing a revised version. This publication & its provisions are not in any way a contract between the student & Ivy Tech Community College of Indiana.

Ivy Tech Community College of Indiana is an Accredited/Equal Opportunity/Affirmative Action Community College.
# Health Care Support

## PHLEBOTOMY TECHNICIAN

Phlebotomy Technician Certificate – 17 Credit Hours

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Cr Hrs</th>
<th>Prerequisites</th>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Semester</td>
<td>HLHS 101</td>
<td>Medical Terminology</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>APHY 101</td>
<td>Anatomy &amp; Physiology I</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>MATH 015 or MATH 023</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Second Semester</td>
<td>HLHS 105</td>
<td>Medical Law &amp; Ethics</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>APHY 102</td>
<td>Anatomy &amp; Physiology II</td>
<td>3</td>
<td>APHY 101</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third Semester</td>
<td>PHLB 212</td>
<td>Phlebotomy</td>
<td>3</td>
<td>HLHS 101, APHY 101 &amp; HLCS Program Chair Approval</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PHLB 257</td>
<td>Phlebotomy Externship</td>
<td>2</td>
<td>APHY 102, PHLB 212, CPR Cert. &amp; HLCS Program Chair Approval</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Total**: 17

*Enroll in courses concurrently; please schedule an appointment with Kyra Hiatt via Ivy Advising to determine eligibility to enroll in these classes.*

Students must complete the following prior to enrollment into PHLB 212 and PHLB 257:
- HBV immunization or signed declination
- Health Statement
- Background Check
- Drug Screen

CPR Certification (must be Red Cross CPR for Professional Rescuer/AED (OR) American Heart for Health Care Providers/AED), currently offered at Ivy Tech through the School of Health Sciences (HLHS 104)

Students are required to wear the following uniform in PHLB 212 & PHLB 257 classes: disposable lab coat, white pants, colored (Royal Blue-Ivy Tech) shirts purchased from Ivy Tech Community College of Indiana Bookstore and white shoes purchased at your favorite shoe store.

In the Phlebotomy Externship class (PHLB 257), the student will be required to meet weekly for 1.5 hours in the classroom and 16 hours at the externship site each week.

Ivy Tech cannot guarantee that any student will pass a certification or licensing exam. Your success will be determined by several factors beyond the instruction you are given in the classroom including your test-taking skills, your willingness to study outside of class, and your satisfactory completion of appropriate practice exams. Certification and licensure exam questions are drawn from databases of hundreds of possible questions; therefore, a thorough understanding of the subject matter is required. The goal of Ivy Tech in providing a certification exam studies class is to assist you in understanding the material sufficiently to provide a firm foundation for your studies as you prepare for the exam.

Upon successful completion of this certificate, the student will be eligible to take the American Society for Clinical Pathology Exam for Certification

For more transfer information go to [www.transferin.net](http://www.transferin.net)

Effective Fall 2013
HLHS 101 – Medical Terminology 3 credits
Addresses basic terminology required of the allied health professional and provides a basic knowledge of anatomy and physiology, pathology, special procedures, laboratory procedures, and pharmacology. Greek and Latin prefixes, suffixes, word roots, and combining forms are presented. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation. Medical abbreviations, signs, and symbols are included. Prerequisites: ENGL 093, ENGL 083

APHY 101 – Anatomy & Physiology I 3 credits
Develops a comprehensive understanding of the closer interrelationship between anatomy & physiology as seen in the human organism. Introduces students to the cell which is the basic structural & functional unit of all organisms & covers tissues, integument, skeleton, muscular & nervous systems as an integrated unit. Prerequisites: ENGL 093, ENGL 083 or MATH 023.

HLHS 105 – Medical Law & Ethics 3 credits
This introductory course provides an overview of law and ethics for allied health professionals functioning in a variety of settings. Topical areas include: the legal system, standards and scope of care and practice, physician patient relationships, standards of professional conduct, public duties, documentation, employment laws and practices, pertinent federal/state statutes, ethical codes, and bioethical issues. The content will provide an understanding of ethical and legal obligations to self, patients, and employer. Prerequisites: ENGL 093, ENGL 083

APHY 102 – Anatomy & Physiology II 3 credits
Continues the study of the inter-relationships of the systems of the human body. Introduces students to the study of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Prerequisite: APHY 101

PHLB 212 – Phlebotomy 3 credit
Presents the principles and practices of laboratory specimen collection & processing. Also covers medical terminology, infection control, patient identification, anatomy & physiology, anticoagulants, blood collection, specimen processing, and interpersonal skills. Prerequisite: APHY 101, HLHS 101 and HLCH Program Chair approval.

PHLB 257 – Phlebotomy Externship 2 credits
Provides the opportunity to discuss & perform phlebotomy procedures under supervision with learning experiences obtained in selected laboratories, physician offices, clinics, or hospitals. Prerequisites: APHY 102, PHLB 212, CPR for Professional Rescuer/AED Certification and HLHS Program Chair Approval.

OPTIONAL

HLHS 104 – CPR/BLS/AED AHA for Healthcare provider 0.5 credits
Provides students with information necessary to recognize the need for one and two-person cardiopulmonary resuscitation (CPR) as it relates to adults, children and infants. Requires students to safely perform CPR and the use of Automated External Defibrillator (AED). Prerequisites: None

HLHS 106 – Healthcare Support and Certifications 3 credits
Provides students with information necessary to recognize and safely perform one and two-person cardiopulmonary resuscitation (CPR) as it relates to adults, children and infants including use of the AED. Successful demonstration of principles and techniques related to resuscitation, blood borne pathogens, and First Aid will result in the granting of appropriate certifications. Prerequisites: Demonstrated competency through appropriate assessment or earning a grade of “C” or better in ENGL 025 Introduction to College Writing II or ENGL 093 Introduction to College Writing and ENGL 032 Reading Strategies for College.

Updated: 7/8/13

The College reserves the right to cancel classes due to low enrollment.

The college may revise any matter described in this publication at any time without publishing a revised version. This publication & its provisions are not in any way a contract between the student & Ivy Tech Community College of Indiana.

Ivy Tech Community College of Indiana is an Accredited/Equal Opportunity/Affirmative Action Community College.
# Health Care Support Medical Office Administration Certificate—18 Credit Hours

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Cr Hrs</th>
<th>Prerequisites</th>
<th>Term</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLHS 101 Medical Terminology</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CINS 101 Introduction to Microcomputers</td>
<td>3</td>
<td>ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEAS 107 Administrative I</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEAS 108 Administrative II</td>
<td>3</td>
<td>ENGL 093, ENGL 083,</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Second Semester</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>HLHS 105 Medical Law &amp; Ethics</td>
<td>3</td>
<td>ENGL 093, ENGL 083</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEAS 207 Integrated Medical Office Systems</td>
<td>3</td>
<td>MEAS 107, MEAS 108</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FOR MORE TRANSFER INFORMATION GO TO [www.transferin.net](http://www.transferin.net)

Effective Fall 2013
101 – Medical Terminology  3 credits
Addresses basic terminology required of the allied health professional and provides a basic knowledge of anatomy and physiology, pathology, special procedures, laboratory procedures, and pharmacology. Greek and Latin prefixes, suffixes, word roots, and combining forms are presented. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation. Medical abbreviations, signs, and symbols are included. **Prerequisites: ENGL 093, ENGL 083**

MEAS 107 – Administrative I  3 credits
Provides a basic understanding of the administrative duties and responsibilities pertinent to medical offices. Includes instruction in medical correspondence and records, case histories of patients, filing, telephone procedures, appointment scheduling, receptionist duties, and processing mail. Written, verbal and nonverbal communications according to patient needs are covered as well as documentation and associated legal and ethical boundaries. Medical law, ethics, state and federal laws are covered. **Prerequisites: ENGL 093, ENGL 083**

MEAS 108 – Administrative II  3 credits
Provides instruction in medical office financial administration, bookkeeping, materials management, daily financial transactions with patients and outside sources, banking procedures, billing and collection. General office policies are explained. Inventory management of administrative supplies and equipment is covered. Community resources available to patients are also explored. **Prerequisite: ENGL 093, ENGL 083**

MEAS 207 – Integrated Medical Office System  3 credits
Provides instruction in medical office procedures using integrated computer programs that manage appointments, insurance documentation, file maintenance and creation, management of medical correspondence, licensing and software update processes and data back-up files. **Prerequisites: MEAS 107, MEAS 108**

CINS 101 – Introduction to Microcomputers  3 credits
Demonstrated competency through appropriate assessment or earning a grade of “C” or better in ENGL 031 or ENGL 083. Introduces the physical components and operation of microcomputers. Focuses on computer literacy and provides hands-on training in four areas of microcomputer application software: word processing, electronic spreadsheets, database management and presentation software. Use of a professional business integrated applications package is emphasized. **Prerequisites: ENGL 083**

HLHS 105 – Medical Law & Ethics  3 credits
This introductory course provides an overview of law and ethics for allied health professionals functioning in a variety of settings. Topical areas include: the legal system, standards and scope of care and practice, physician patient relationships, standards of professional conduct, public duties, documentation, employment laws and practices, pertinent federal/state statutes, ethical codes, and bioethical issues. The content will provide an understanding of ethical and legal obligations to self, patients, and employer. **Prerequisites: ENGL 093, ENGL 083**

Updated: 7/1/13

The college may revise any matter described in this publication at any time without publishing a revised version. This publication and its provisions are not in any way a contract between the student and Ivy Tech Community College of Indiana.

Ivy Tech Community College of Indiana is an Accredited/Equal Opportunity/Affirmative Action Community College.
## Health Care Support

### Electrocardiography Technician Certification

#### 21 Credit Hours

<table>
<thead>
<tr>
<th>Certificate - 21 Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>First Semester –Prerequisites</strong></td>
</tr>
<tr>
<td>HLHS 101 Medical Terminology</td>
</tr>
<tr>
<td>APHY 101 Anatomy &amp; Physiology I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Second Semester</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>APHY 102 Anatomy &amp; Physiology II</td>
</tr>
<tr>
<td>CARD 205 Introduction to Electrocardiography</td>
</tr>
<tr>
<td>HLHS 115 Pharmacology for Health Care Support</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Third Semester</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>+CARD 206 Advanced Electrocardiograph Technique</td>
</tr>
<tr>
<td>+CARD 208 ECG Experiential Seminar</td>
</tr>
</tbody>
</table>

| **Total** | 21 |

*Enroll in courses concurrently; please schedule an appointment with Kyra Hiatt via Ivy Advising to determine eligibility to enroll in these classes.*

**Students must complete the following prior to enrollment into CARD 206 and CARD 208:**
- HPV immunization or signed declination
- Health Statement
- Background Check
- Drug Screen

Students are required to wear the following uniform in CARD 206 & CARD 208 classes: disposable lab coat, white pants, colored (Royal Blue-Ivy Tech) shirts purchased from Ivy Tech Community College of Indiana Bookstore and white shoes purchased at your favorite shoe store.

In the ECG Experiential Seminar class (CARD 208), the student will be required to meet weekly for 1.5 hours in the classroom and 16 hours at the externship site each week for the last 8 weeks.

Ivy Tech cannot guarantee that any student will pass a certification or licensing exam. Your success will be determined by several factors beyond the instruction you are given in the classroom including your test-taking skills, your willingness to study outside of class, and your satisfactory completion of appropriate practice exams. Certification and licensure exam questions are drawn from databases of hundreds of possible questions; therefore, a thorough understanding of the subject matter is required. The goal of Ivy Tech in providing a certification exam studies class is to assist you in understanding the material sufficiently to provide a firm foundation for your studies as you prepare for the exam. You will be scheduled to take the certification exam before CARD 208 is completed.

*FOR MORE TRANSFER INFORMATION GO TO [www.transferin.net](http://www.transferin.net)*

**Effective Fall 2013**

Ivy Tech Community College
**HLHS 101 – Medical Terminology** 3 credits
Addresses basic terminology required of the allied health professional and provides a basic knowledge of anatomy and physiology, pathology, special procedures, laboratory procedures, and pharmacology. Greek and Latin prefixes, suffixes, word roots, and combining forms are presented. Emphasis is on forming a foundation for a medical vocabulary including meaning, spelling, and pronunciation. Medical abbreviations, signs, and symbols are included. Prerequisites: ENGL 093, ENGL 083

**APHY 101–Anatomy & Physiology I** 3 credits
Develops a comprehensive understanding of the closer interrelationship between anatomy & physiology as seen in the human organism. Introduces students to the cell which is the basic structural & functional unit of all organisms & covers tissues, integument, skeleton, muscular & nervous systems as an integrated unit. Prerequisites: ENGL 093, ENGL 083, MATH 015 or MATH 023.

**APHY 102–Anatomy & Physiology II** 3 credits
Continues the study of the inter-relationships of the systems of the human body. Introduces students to the study of the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems. Prerequisite: APHY 101

**HLHS 115 – Pharmacology for Health Care Support** 3 credits
Introduces general pharmacology for health related professions including an overview of the history of drugs, federal and state regulations for the prescribing and distribution of therapeutic drugs, drug classifications, routes of administration, dosage calculation, and how to use printed and electronic sources of drug information. Emphasis will be given to selected drugs in various drug classifications to develop student understanding of the use, side-effects, contraindications, and potential drug interactions that is unique to each drug. Prerequisites: APHY 101, or APHY 203, and HLHS 101

**CARD 205 – Introduction to Electrocardiography** 3 credits
This course presents the rationale for obtaining an Electrocardiogram as well as related theory including anatomy and physiology, procedural technique and equipment utilized. Students will be introduced to basic rhythm analysis including recognizing standard electrical waves and accurately measuring each normal sinus rhythm and basic arrhythmias. Prerequisite: HLHS 101

**CARD 206 - Advanced Electrocardiography Technique** 3 credits
Discusses related anatomy and physiology of the cardiovascular system, identification of cardiac arrhythmias, their rhythm strip appearance and common treatment modalities. Also includes event and Holter monitoring. Prerequisite: CARD 205

**D 208 – ECG Experiential Seminar** 3 credits
Provides opportunities to observe, perform, and discuss various ECG related procedures and competencies under supervision in lab and/or clinical settings. Ivy Tech cannot guarantee that any student will pass a certification or licensing exam. Your success will be determined by several factors beyond the instruction you are given in the classroom including your test-taking skills, your willingness to study outside of class, and your satisfactory completion of appropriate practice exams. Certification and licensure exam questions are drawn from databases of hundreds of possible questions; therefore, a thorough understanding of the subject matter is required. The goal of Ivy Tech in providing a certification exam studies class is to assist you in understanding the material sufficiently to provide a firm foundation for your studies as you prepare for the exam. Prerequisite: Program Advisor Approval

**OPTIONAL**

**HLHS 104 – CPR/BLS/AED AHA for Healthcare provider** 0.5 credits
Provides students with information necessary to recognize the need for one and two-person cardiopulmonary resuscitation (CPR) as it relates to adults, children and infants Requires students to safely perform CPR and the use of Automated External Defibrillator (AED) Prerequisites: None

**HLHS 106 – Healthcare Support and Certifications** 3 credits
Provides students with information necessary to recognize and safely perform one and two-person cardiopulmonary resuscitation (CPR) as it relates to adults, children and infants including use of the AED. Successful demonstration of principles and techniques related to resuscitation, blood borne
pathogens, and First Aid will result in the granting of appropriate certifications.
Prerequisites: ENGL 093 or ENGL 083

Updated: 7/8/13
The College reserves the right to cancel classes due to low enrollment.

The college may revise any matter described in this publication at any time without publishing a revised version. This publication & its provisions are not in any way a contract between the student & Ivy Tech Community College of Indiana.

Ivy Tech Community College of Indiana
is an Accredited/Equal Opportunity/Affirmative Action Community College
Course Descriptions
Official college-wide Course Outlines of Record (COR) are available on the College Web site. In addition to course number, title, credit and contact hours, the COR includes the prerequisite and co-requisite requirements, the catalog description, major learning objectives, and a topics list.

Course Contact Hours
Lecture: 1 credit = 1 contact hr. Lab: 1 credit = 2 contact hrs. Clinical: 1 credit = 3 contact hrs.

Health Care Support Course Hours

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Course Name</th>
<th>Credits</th>
<th>Total Semester Contact Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Lecture</td>
</tr>
<tr>
<td>APHY 101</td>
<td>Anatomy &amp; Physiology I</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>APHY 102</td>
<td>Anatomy &amp; Physiology II</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>APHY 201</td>
<td>Advanced Human Physiology</td>
<td>4</td>
<td>48</td>
</tr>
<tr>
<td>BIOL 2XX</td>
<td>Microbiology Elective</td>
<td>3-4</td>
<td>48</td>
</tr>
<tr>
<td>CARD 205</td>
<td>Introduction to Electrocardiography</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>CARD 206</td>
<td>Advanced Electrocardiograph Technique</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>CARD 208</td>
<td>ECG Externship</td>
<td>3</td>
<td>28</td>
</tr>
<tr>
<td>CHEM 1XX</td>
<td>Chemistry Elective</td>
<td>3-4</td>
<td>48</td>
</tr>
<tr>
<td>CINS 101</td>
<td>Introduction to Microcomputers</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>COMM 101</td>
<td>Fundamentals of Public Speaking OR Introduction</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>OR COMM 102</td>
<td>to Interpersonal Communication</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DENT 171</td>
<td>Dental Terminology</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>ENGL 111</td>
<td>Written Communication</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 100</td>
<td>Introduction to Health Careers</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 101</td>
<td>Medical Terminology</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 103</td>
<td>Dosage Calculation</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>HLHS 104</td>
<td>BLS/CPR AED</td>
<td>0.5</td>
<td>2</td>
</tr>
<tr>
<td>HLHS 105</td>
<td>Medical Law and Ethics</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 106</td>
<td>Health Care Support Certifications</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>HLHS 107</td>
<td>CNA Preparation</td>
<td>5</td>
<td>48</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credit</td>
<td>Hours</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>--------</td>
<td>-------</td>
</tr>
<tr>
<td>HLHS 111</td>
<td>Health and Wellness for Life</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 112</td>
<td>Home Health Aide Bridge</td>
<td>2</td>
<td>32</td>
</tr>
<tr>
<td>HLHS 113</td>
<td>Dementia Care</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 114</td>
<td>Home Health Aide</td>
<td>5</td>
<td>64</td>
</tr>
<tr>
<td>HLHS 115</td>
<td>Pharmacology for Health Care Support</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 117</td>
<td>QMA Preparation</td>
<td>5</td>
<td>64</td>
</tr>
<tr>
<td>HLHS 118</td>
<td>Diversity in Health Care</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 171</td>
<td>Restorative and Rehab Therapy Aide</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>HLHS 202</td>
<td>Community Resources</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 203</td>
<td>Disability Awareness in Health Care</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 211</td>
<td>Nutrition</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HLHS 279</td>
<td>Health Care Support Capstone Course</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>HUMS 114</td>
<td>Social Service-Long Term Care</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HUMS 120</td>
<td>Health and Aging</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>HUMS 124</td>
<td>Activity Director</td>
<td>6</td>
<td>96</td>
</tr>
<tr>
<td>HUMS 140</td>
<td>Loss and Grief</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>INCO 213</td>
<td>Advanced Insurance Coding</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>INCO 220</td>
<td>Advanced Insurance Claims Processing</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>IVYT 1XX</td>
<td>Student Success Elective</td>
<td>1-3</td>
<td>16-48</td>
</tr>
<tr>
<td>MATH 1XX</td>
<td>Mathematics Elective</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>MEAS 107</td>
<td>Medical Office Administrative I</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>MEAS 108</td>
<td>Medical Office Administrative II</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>MEAS 137</td>
<td>Medical Insurance and Basic Coding with Computer Applications</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>MEAS 207</td>
<td>Integrated Office Procedures</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>MEAS 215</td>
<td>Advanced Medical Terminology</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>MEAS 219</td>
<td>Medical Assisting Laboratory Techniques</td>
<td>3</td>
<td>16</td>
</tr>
<tr>
<td>MEAS 242</td>
<td>Disease Conditions</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>PARM 102</td>
<td>Emergency Medical Technician-Basic Training</td>
<td>7.5</td>
<td>92</td>
</tr>
<tr>
<td>PHAR 101</td>
<td>Pharmacy Technician I</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>PHAR 201</td>
<td>Pharmacy Technician II</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
<td>Hours</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
<td>-------</td>
</tr>
<tr>
<td>PHAR 202</td>
<td>Pharmacy Technician Experiential Seminar</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>PHLB 212</td>
<td>Phlebotomy</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>PHLB 257</td>
<td>Phlebotomy Externship</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>PHLB 258</td>
<td>Phlebotomy Donor Technician Externship</td>
<td>2</td>
<td>12</td>
</tr>
<tr>
<td>PHYS 101</td>
<td>Physics I</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>PTAS 101</td>
<td>Introduction to Physical Therapy Assistant</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>SCIN 111</td>
<td>Physical Science</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>TMAS 101</td>
<td>Holistic Approach to Massage Therapy</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>TMAS 120</td>
<td>Massage Technician Training I</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>TMAS 122</td>
<td>Massage Financial Management</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>TMAS 125</td>
<td>Acupressure Theory and Methods</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>TMAS 140</td>
<td>Massage Technician Training II</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>TMAS 141</td>
<td>Massage Through the Life Span</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>TMAS 201</td>
<td>Sports Massage, Injuries, and Hydrotherapies</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>TMAS 203</td>
<td>Herbs, Drugs, and Massage</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>TMAS 206</td>
<td>Palpation Skills</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>TMAS 210</td>
<td>Biomechanics</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>TMAS 220</td>
<td>Advanced Techniques and Hygiene</td>
<td>3</td>
<td>32</td>
</tr>
<tr>
<td>TMAS XXX</td>
<td>Massage Statewide Elective</td>
<td>5-6</td>
<td>80-96</td>
</tr>
<tr>
<td>XXXX XXX</td>
<td>Humanities/ Social &amp; Science Behavioral Sciences Elective</td>
<td>3</td>
<td>48</td>
</tr>
<tr>
<td>XXXX XXX</td>
<td>Social &amp; Behavioral Science Elective</td>
<td>3</td>
<td>48</td>
</tr>
</tbody>
</table>
### Health Care Support General Education Courses

<table>
<thead>
<tr>
<th>Health Care Support Gen Ed Courses</th>
<th>ASN</th>
<th>PN</th>
<th>Dental Asst</th>
<th>Dental Hyg</th>
<th>Health Info Tech</th>
<th>Imaging Science</th>
<th>Medical Asst</th>
<th>Medical Lab Tech</th>
<th>Paramedic</th>
<th>Phys Therapist Asst</th>
<th>Radiologic Therapy</th>
<th>Respiratory Care</th>
<th>Surgical Tech</th>
<th>Therapeutic Massage</th>
</tr>
</thead>
<tbody>
<tr>
<td>APHY101</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>APHY102</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>E</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>COMM101/102</td>
<td>R</td>
<td>102</td>
<td>R</td>
<td>101</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>ENGL111</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>IVYT1XX</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>MATH1XX</td>
<td>13X</td>
<td>118</td>
<td>135/136</td>
<td>131/136</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>118</td>
<td>R</td>
<td>121/131</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
</tr>
<tr>
<td>Humanities, Behavior, Social Science elective</td>
<td>PSYC 101</td>
<td>PSYC 101</td>
<td>PSYC 101 or SOCI 111</td>
<td>PSYC 101 or SOCI 111</td>
<td>R</td>
<td>PSYC 101 or SOCI 111</td>
<td>PSYC 101</td>
<td>PSYC 101 or SOCI 111</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td>R</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Symbol Key:**  
- **E** = Elective Course  
- **R** = Required Course
# Health Care Support General Education Courses Continued

<table>
<thead>
<tr>
<th>Health Care Support Gen Ed. Elective Courses</th>
<th>ASN</th>
<th>PN</th>
<th>Dental Asst</th>
<th>Dental Hyg</th>
<th>Health Info Tech</th>
<th>Imaging Science</th>
<th>Medical Asst</th>
<th>Medical Lab Tech</th>
<th>Paramedic</th>
<th>Phys Therapist Asst</th>
<th>Radiologic Therapy</th>
<th>Respiratory Care</th>
<th>Surgical Tech</th>
<th>Therapeutic Massage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional Science:</td>
<td>Choose 2:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>APHY 201</td>
<td>201</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL 2XX</td>
<td>201 or 211</td>
<td>211</td>
<td></td>
<td></td>
<td></td>
<td>201</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHEM 1XX</td>
<td>101 or 111</td>
<td>111</td>
<td></td>
<td></td>
<td></td>
<td>101</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 101</td>
<td>101</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCIN 111</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R</td>
</tr>
<tr>
<td>Additional Social Science Electives</td>
<td>Choose 1: PSYC 201, 205, 210, 240, 242, 253, or 260 or SOCI 111 or 164</td>
<td>SOCI 111</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Symbol Key:  
- **E** = Elective Course  
- **R** = Required Course
<table>
<thead>
<tr>
<th>Health Care Support Prof/Tech Courses</th>
<th>ASN</th>
<th>PN</th>
<th>Dental Asst</th>
<th>Dental Hyg</th>
<th>Health Info Tech</th>
<th>Imaging Science</th>
<th>Medical Asst</th>
<th>Medical Lab Tech</th>
<th>Paramedic</th>
<th>Phys Therapist Asst</th>
<th>Radiologic Therapy</th>
<th>Respiratory Care</th>
<th>Surgical Tech</th>
<th>Therapeutic Massage</th>
</tr>
</thead>
<tbody>
<tr>
<td>HLHS 100</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HLHS 101</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R</td>
</tr>
<tr>
<td>HLHS 105</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R</td>
</tr>
<tr>
<td>HLHS 111</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R</td>
</tr>
<tr>
<td>HLHS 211</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R</td>
</tr>
<tr>
<td>CINS 101</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>R</td>
</tr>
</tbody>
</table>

Symbol Key:  
E = Elective Course   
R = Required Course
Health Care Careers - Department of Labor Data

According to the U.S. Department of Labor, individuals enrolled in health care career programs can anticipate solid growth in health care related field across a broad spectrum of professions. Below is a brief table summarizing some potential occupations within the health care field individuals might consider during their career exploration.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrocardiography Technician</td>
<td>Certificate</td>
<td>$20.61/Hour $42,900/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Pharmacy Technician</td>
<td>Certificate</td>
<td>12.85/Hour $26,700/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Emergency Medical Technician (EMT)</td>
<td>Certificate</td>
<td>$10.85/Hour $22,600/Year</td>
<td>Approx. 7% - 13% (Average Growth)</td>
</tr>
<tr>
<td>Paramedic Science</td>
<td>Associate’s Degree</td>
<td>$13.72/Hour $28,500/Year</td>
<td></td>
</tr>
<tr>
<td>Certified Nursing Assistant (CNA)</td>
<td>Certificate</td>
<td>$11.17/Hour $23,200/Year</td>
<td>Approx. 14% - 19% (Faster than Average Growth)</td>
</tr>
<tr>
<td>Qualified Medication Aid (QMA)</td>
<td>Certificate</td>
<td>$12.99/Hour $27,000/Year</td>
<td>Approx. 14% - 19% (Faster than Average Growth)</td>
</tr>
<tr>
<td>Massage Therapists</td>
<td>Certificate</td>
<td>$15.39/Hour $32,000/Year</td>
<td>Approx. 14% - 19% (Faster than Average Growth)</td>
</tr>
<tr>
<td>Phlebotomist</td>
<td>Certificate</td>
<td>$12.55/Hour $26,100/Year</td>
<td>Approx. 14% - 19% (Faster than Average Growth)</td>
</tr>
<tr>
<td>Registered Nurse (RN)</td>
<td>Associate’s Degree</td>
<td>$27.12/Hour $56,400/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Licensed Practical Nurse (LPN)</td>
<td>Certificate</td>
<td>$17.99/Hour $37,400/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Imaging Science / Radiologic Technologist</td>
<td>Associate’s Degree</td>
<td>$24.18/Hour $50,300/Year</td>
<td>Approx. 14%-19% (Faster than Average Growth)</td>
</tr>
<tr>
<td>Dental Assistant</td>
<td>Technical Certificate</td>
<td>$16.18/Hour $33,700/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Dental Hygiene</td>
<td>Associate’s Degree</td>
<td>$31.65/Hour $65,800/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Health Information Technologist</td>
<td>Associate’s Degree</td>
<td>$15.52/Hour $32,300/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Medical Assistant</td>
<td>Technical Certificate</td>
<td>$12.99/Hour $27,000/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Medical Laboratory Technician</td>
<td>Associate’s Degree</td>
<td>$17.75/Hour $36,900/Year</td>
<td>Approx. 7% - 13% (Average Growth)</td>
</tr>
<tr>
<td>Physical Therapy Assistant</td>
<td>Associate’s Degree</td>
<td>$24.25/Hour $50,400/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Respiratory Care Technologist</td>
<td>Certificate</td>
<td>$23.77/Hour $49,400/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
<tr>
<td>Surgical Technologist</td>
<td>Associate’s Degree</td>
<td>$18.72/Hour $38,900/Year</td>
<td>More than 20% (High Growth)</td>
</tr>
</tbody>
</table>

Note: Data obtain from the U.S. Department of Labor. For the most recent information, visit: [www.onetonline.org](http://www.onetonline.org)

Pay ranges vary based upon location, including but not limited to state and city.
## Estimated Costs

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuition</strong></td>
<td>In state: (Fall) 116.15/credit hour – (Spring) 121.15 credit hour</td>
</tr>
<tr>
<td></td>
<td>Out of State: (Fall) 250.40/credit hour – (Spring)</td>
</tr>
<tr>
<td><strong>Technology Fee</strong></td>
<td>60.00 per semester</td>
</tr>
<tr>
<td><strong>Books</strong></td>
<td>Variable based on course</td>
</tr>
<tr>
<td><strong>Lab pack, uniforms and other supplies</strong></td>
<td>Variable based on course</td>
</tr>
<tr>
<td><strong>Physical Exam &amp; Immunizations</strong></td>
<td>Variable based on provider</td>
</tr>
<tr>
<td><strong>CPR Certification</strong></td>
<td>Variable based on provider</td>
</tr>
<tr>
<td><strong>Background Check &amp; Drug Screen</strong></td>
<td>131.00</td>
</tr>
<tr>
<td><strong>Certification Examination Fees</strong></td>
<td>$5 to $125 depending on credential</td>
</tr>
<tr>
<td>CNA ........................................ $75</td>
<td></td>
</tr>
<tr>
<td>QMA ........................................ $65</td>
<td></td>
</tr>
<tr>
<td>EMT ........................................ $50</td>
<td></td>
</tr>
<tr>
<td>Home Health ............................. $5</td>
<td></td>
</tr>
<tr>
<td>Pharmacy Tech (EXCPT) .................... $105</td>
<td></td>
</tr>
<tr>
<td>Phlebotomy (ASCP/PBT) .. $125</td>
<td></td>
</tr>
</tbody>
</table>

*While certification is strongly recommended, payment of the above fee is only required for Home Health, Pharmacy Technician, EKG, CNA, and QMA.*

**Note:** All costs are estimated and subject to change without notice.
Additional resources

The following links provide additional resources regarding careers in health care.


**Electrocardiography Technicians**
National Center for O*NET Development, O*NET Online, *Summary Report for: 29-2031.00 - Cardiovascular Technologists and Technicians*, on the Internet at [http://www.onetonline.org/link/summary/29-2031.00](http://www.onetonline.org/link/summary/29-2031.00)

**Emergency Medical Technicians**
National Center for O*NET Development, O*NET Online, *Summary Report for: 29-2041.00 - Emergency Medical Technicians and Paramedics*, on the Internet at [http://www.onetonline.org/link/summary/29-2041.00](http://www.onetonline.org/link/summary/29-2041.00)

**Massage Therapists**
National Center for O*NET Development, O*NET Online, *Summary Report for: 31-9011.00 - Massage Therapists*, on the Internet at
Medical Administrative Assistant/Medical Secretary
National Center for O*NET Development, O*NET Online, *Summary Report for: 43-6013.00 - Medical Secretaries*, on the Internet at http://www.onetonline.org/link/summary/43-6013.00

Medical Records and Health Information Technicians - Physician-based Coder

Nursing Assistants and Home Health Care
National Center for O*NET Development, O*NET Online, *Summary Report for: 31-1011.00 Home Health Aides*, on the Internet at http://www.onetonline.org/link/summary/31-1011.00

National Center for O*NET Development, O*NET Online, *Summary Report for: 31-1014.00 - Nursing Assistants*, on the Internet at http://www.onetonline.org/link/summary/31-1014.00


**Pharmacy Technicians**


National Center for O*NET Development, O*NET Online, *Summary Report for: 29-2052.00 - Pharmacy Technicians*, on the Internet at http://www.onetonline.org/link/summary/29-2052.00

**Phlebotomists**

American Society of Clinical Pathologists (ASCP), *A Career as a Phlebotomy Technician or Donor Technician*, on the Internet at http://www.ascp.org/pdf/PhlebotomyTechnicianandDonorPhlebotomyTechnician.aspx


Other Region-Specific Information IVY TECH COMMUNITY COLLEGE

SOUTHWEST REGION 12 (Evansville)
SCHOOL OF HEALTH SCIENCES DIVISION
Health Care Support
Academic Year 2013-2014
Estimated Program Cost AAS Degree Based on In-State Tuition

Total 60-61 Credit Hours.................................................................Fall (2013) $7007.00 to $7390.00
Spring (2014) $7269.00 to $7390.00
Books.................................................................will vary based on certification(s)

(For Externships)
Shoes .................................................................Varies based on retail of choice........50.00
Royal Blue Shirt Female (19.80 – 25.80): Male (24 – 25) ........................................Varies on size
2-Pairs Pants Landau style #8320 Female #8550 Male (19.80 to 25.00)........Varies on size
1-Disposable Lab Coat (Blue) (PHLB) ...................................................................................9.00
Cardiopulmonary Resuscitation (CPR) ...........................................Varies Based On Provider
Drug Screen and Background Check (Certified Background Check)......................... 131.00
Physical Exam with Lab Work/Immunizations ......................Varies Based On Provider
Certification Exam .................................................................Varies based on certification
Graduation Expenses........................................................................................................45.00
HLHS 279Capstone Fee ........................................................................................................21.45

* These fees are subject to change without notice.
UNIFORM POLICY: HEALTH CARE SUPPORT

Students are required to be in uniform for all-clinical and laboratory classes, beginning the first day of class. This includes PHLB 212, 257, MEAS 219, CARD 205, 206, 207, & TMAS 120, 125, 140, 141, 201, 205, 206. Any student not in uniform will be warned once and not be admitted to class the second time.

Proper uniform includes:

The following items must be obtained from Ivy Tech Book Store:

Phlebotomy Students - MEAS 219, PHLB 212 & PHLB 257

<table>
<thead>
<tr>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pairs white pants Landau style #8320 ($19.80 - $25.80)</td>
<td>2 –Pairs White pants #8550 ($24 - $25)</td>
</tr>
<tr>
<td>Royal Blue Polo ($28 - $42)</td>
<td>Royal Blue Polo ($28 - $42)</td>
</tr>
<tr>
<td>1 – Disposable Lab Coat (Blue) ($9)</td>
<td>1 – Disposable Lab Coat (Blue) ($9)</td>
</tr>
</tbody>
</table>

ECG Technician Students – CARD 206, & CARD 208

<table>
<thead>
<tr>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Pairs white pants Landau style #8320</td>
<td>2 –Pairs White pants #8550</td>
</tr>
<tr>
<td>Royal Blue Polo</td>
<td>Royal Blue Polo</td>
</tr>
<tr>
<td>1 – Disposable Lab Coat (Blue)</td>
<td>1 – Disposable Lab Coat (Blue)</td>
</tr>
</tbody>
</table>

Therapeutic Massage – TMAS 120, TMAS 140, TMAS 141, TMAS 201, TMAS 202, TMAS 206

<table>
<thead>
<tr>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 set of Navy Blue Scrubs</td>
<td>1 set of Navy Blue Scrubs</td>
</tr>
<tr>
<td>Unisex Tops ($27 - $28)</td>
<td>Unisex Tops ($27 - $28)</td>
</tr>
<tr>
<td>Unisex Pants ($21.50 - $27.50)</td>
<td>Unisex Pants ($21.50 - $27.50)</td>
</tr>
<tr>
<td>Prices Vary according to size</td>
<td>Prices Vary according to size</td>
</tr>
</tbody>
</table>
The following items must be obtained from Ivy Tech Community College of Indiana:

1-Student Identification Card (Can be obtained from Carter Library during the first week of class. Make sure your instructor has submitted your name to the Library first.)

Students are required to be in full uniform (including ALL miscellaneous dress code guidelines) for all lab classes, field trips, health fairs, clinical (lecture & lab), and externships. Barrier precautions will be used in the laboratory class based on anticipated exposure.

PROPER full uniform and professional appearance includes:
• White pants/skirt—MUST always be pressed
• White/ blue polo shirt—MUST always be pressed
• Lab coat—MUST always be pressed
• Scrubs as directed by instructor
• White or flesh-colored undergarments—NO bikini style
• Regular hose (white-optional) – plain, or clean white socks
• White leather shoes kept clean with clean white shoe laces (closed toe, back)—NO clogs, NO colored logos, NO canvas
• Student name tag (available in the Carter Library after first day of respective class)
• Hair – clean and tied back away from the face and off the collar per OSHA standards
• Fingernails – short and clean (1/4 inch recommended)—NO artificial nails/ tips, ONLY clear polish
• Personal stethoscope
• Personal blood pressure cuff (clinical students only)
• Watch with second hand—NO digitals (clinical students only)
• Calculator (clinical students only)

Comfort in the classroom:
• If you are typically cold in the classroom, you can wear a long-sleeve white shirt under the uniform shirt.
• Coats or jackets over the uniform are NOT permitted.
• Bulky sweaters or sweatshirts on or under the uniform shirt are NOT permitted.

Personal Grooming – Applies to ALL students
• Non-oily clean hair, neatly arranged or tied back hair (off the face and collar)
• Washed face with natural make-up
• Personal hygiene that includes regular bathing
• Use of deodorant products
• Regular brushing of teeth
• Fragrance free (NO perfumes or strong scented body lotions)
Not Permitted:

- Jewelry except one pair tiny earrings (no hoops), engagement/ wedding rings
- Visible body jewelry (nose, eyelid, exposed skin)
- Visible tattoos or body art (All tattoos MUST be completely covered with a wrap, long sleeves, or bandage)
- Bracelets
- Necklaces
- No rips and tears on the hem of pants; pants should reach the shoe, but not touch the floor
- Do not roll down the waist of your pants/ skirt to make them appear “low rise”
- Colored or striped gym shoes or platform shoes or clogs
- No long fingernails, nail jewelry, or acrylic nails
- Coats or jackets over the uniform shirt
- Bulky sweaters or sweatshirts on or under the uniform shirt
- Canvas tennis shoes or tennis shoes with athletic stripes or styles
- Fragrances

PROFESSIONAL CONDUCT

The following list is considered the minimum for professional conduct in all HLCS courses. This includes externship sites and off-campus excursions.

- Maintain a dignified, courteous and professional attitude and manner at all times.
- Demonstrate behavior that reflects integrity, supports objectivity, displays a positive attitude, and fosters trust in the profession and health care in general.
- Establish good rapport with classmates, instructors, staff, medical personnel at externship site and patients.
- Foul and offensive graphic language is prohibited.
- Refrain from divulging confidential information regarding any patient or family.
- Provide care without discrimination on any basis, with respect for the rights and dignity of all individuals.
- Be accountable for all personal actions. Concealing mistakes is a grievous matter.
- Be directly responsible to the instructor when in the clinical area and recognize professional limitations.
- Report unsafe practice or conditions to instructor/ externship site coordinator immediately.
- Request permission from instructor/ externship site coordinator before leaving assigned area or enter an unassigned area.
- Contact instructor/ externship site coordinator if: Any unusual situations, accidents, or medication errors occur. Anyone is likely to make a mistake at some time or another. In most instances, it can be remedied (if known
immediately). Delay might prove fatal.

- The student sustains any needle stick or other potential exposure to blood or body fluid of a client. The student is responsible for follow-up care.
- The student has an uncertainty about the condition of any patient in their care.
- Refrain from eating, drinking and gum chewing while caring for patients or participating in lab activities.
- Smoking in uniform is strongly discouraged.
- Refrain from the use, possession, or distribution of alcoholic beverages and drugs on campus. This extends to student assignments at externship sites. Persons appearing on campus or at externship while under the influence of alcoholic beverages, narcotics, and other dangerous drugs, except as expressly permitted by law, will be subject to disciplinary and/or legal action.
- Cell phones and pagers are prohibited while in class and at externship sites.
- At all times be considerate to your classmates and your instructor.
- No food or beverage is allowed in Health Care Support Lab classes.
- If you make a mess of any kind, please clean up after yourself.
- Come to class on time and be ready to actively participate.
- Talking with classmates during class is disturbing and discourteous to everyone. Refrain from “private” conversations in a HLCS course or lab. This is a distraction to the instructor and other students.
- Remember that faculty will dismiss; do not prepare to leave early. Leaving early should be discussed with the instructor in advance.

Kyra Hiatt, BSN, RN, CPAN
Program Chair of health Care Support
(812) 429-9845
khiatt7@ivytech.edu

Kelly Doherty, DC
FT Faculty HLCS
(812) 492-0313
kdoherty@ivytech.edu

Kathy A Stokes
Administrative Assistant
(812) 429-9838
kstokes11@ivytech.edu

Judi McCutchan, RN, PhD
Dean School of Health Sciences
(812) 429-1496
jmccutch@ivytech.edu
SIGNATURE PAGES

Student Name______________________

Date of Program Entry________________
Students are required to comply with Federal HIPAA regulations, state regulations, and facility policies with regard to privacy of patient information.

All information that you learn about a patient is considered to be confidential information. Confidential information may NOT be discussed in any public place, such as the student lounge, the halls of the hospital or school, hospital cafeteria or any similar public place. This includes all social media formats.

Written information, such as care plans, practice nurse’s notes, growth and development papers, etc. pertaining to a patient, or any written information must be guarded as confidential. Any written information should never contain any of the patient’s name or any other identifying information.

Confidentiality extends to any and all operations of the clinical affiliating agency. DO NOT DISCUSS ANY HOSPITAL EXPERIENCES in any public place, whether or not you refer to patient information. This includes discussion of clinical experiences in any social media format.

Photocopying of any client records or removal of client records from the clinical facility is expressly forbidden.

I hereby acknowledge that I have received instruction related to Federal HIPAA regulations and patient confidentiality. I agree to comply with all Federal HIPAA regulations, state regulations, and facility policies with regard to privacy of patient information. I understand that violations of privacy regulations/policies may result in immediate dismissal from the program, as well as civil and criminal penalties.

___________________________
Student’s Printed Name

___________________________    _________________________
Student Signature                Date
I understand that the possibility exists that a record of certain offenses may result in a graduate being denied certification or licensure as a health practitioner in the State of Indiana. These offenses include but are not limited to being convicted of a crime or disciplinary action taken on previous licenses or certifications.

Ivy Tech Community College has informed me that if I have a record of any criminal offenses or prior actions related to certification or licensure, the Indiana Professional Licensing Agency may choose to deny me certification or licensure, even if I satisfactorily complete Ivy Tech Community College’s required curriculum.

________________________________________
Student’s Printed Name

________________________________________
Student Signature

___________________________
Date
STUDENT VERIFICATION OF TRAINING IN UNIVERSAL AND STANDARD PRECAUTIONS
IVY TECH COMMUNITY COLLEGE SCHOOL OF HEALTH SCIENCES

According to the Universal Standards Rule 410 IAC 1-4 under Public Law 123-1988: "An employer shall provide training and the necessary equipment to each employee and student trainee who has duties that require the employee to have direct contact with blood or body fluids in the scope of the employee's employment." This training must include instruction in the procedures "Universal Standards" adopted by the Indiana State Board of Health. Because students in the Health Care Support program may have direct contact with blood or other body fluids, the Health Care Support Program is required to provide annual training in Universal Standards. This form will be retained in the Health Care Support Program's office as documentation of training in Universal/Standard Precautions.

I realize that instruction may require that I safely and accurately perform invasive procedures such as injections/drawing blood/starting intravenous fluids during the laboratory and clinical components of my program. I recognize the importance of practice under faculty supervision in the learning laboratory as well as in the clinical environment. Likewise, I am aware of the dangers inherent with giving and receiving injections. I acknowledge the need for 100% use of Universal and Standard Precautions and sterile technique when performing parenteral procedures.

Therefore, my signature below verifies that I have had training and instruction on Universal and Standard Precautions and that I accept responsibility for consistent application of Universal and Standard Precautions, consistent application of sterile techniques, handling syringes and other sharp equipment only as instructed, and practicing skills in the lab setting only under the supervision of faculty.

__________________________________________
Student’s Printed Name

__________________________________________  ______________
Student Signature                      Date

Further, I accept responsibility for allowing classmates in my program, under faculty supervision in the learning laboratory, to practice parenteral procedures on me. I understand that this is not a mandatory requirement.

__________________________________________
Student’s Printed Name

__________________________________________  ______________
Student Signature                      Date

71
PERMISSION TO DISCLOSE PERSONAL, CONFIDENTIAL INFORMATION

I do hereby grant permission to authorized persons in Ivy Tech Community College, including School of Health Sciences Program faculty, to comply with requests for information for evaluative purposes by others acting on my behalf in such matters as: clinical/externship placement, employment references, admission to other colleges, and/or securing financial aid, scholarships, honors, or awards.

I understand and agree that enrollment in the Health Care Support program requires my participation in clinical/externship educational activities at certain health care provider locations, including but not limited to hospitals, nursing homes, physical rehabilitation centers and other health clinics. I further understand that such clinical/externship locations require proof of immunity to certain infectious illness, tuberculosis screening, documentation that I am capable of performing essential functions, criminal background checks, and drug screening. Consequently, I hereby authorize Ivy Tech Community College to disclose such personal protected information that it may possess, whether provided directly by myself or my personal health care provider, to such clinical/externship locations as may be necessary for my participation in said health care related instructional program.

Finally, I understand that this authorization extends indefinitely and may be revoked at any time by providing written and signed notice to Ivy Tech Community College. I understand that refusal to authorize release of this information may result in my inability to participate in clinical experiences and may result in withdrawal from the nursing program.

__________________________________________
Student’s Printed Name

__________________________________________  _________________________
Student Signature                        Date
ACKNOWLEDGEMENT OF RECEIPT OF HANDBOOK
IVY TECH COMMUNITY COLLEGE SCHOOL OF HEALTH SCIENCES

PRINTED NAME:__________________________________________________________

CURRENT ADDRESS:_____________________________________________________

CURRENT PHONE NUMBER:_______________________________________________

STUDENT IDENTIFICATION NUMBER: C_____________________________________

I HAVE RECEIVED A COPY OF THE HEALTH CARE SUPPORT PROGRAM STUDENT HANDBOOK AND HAVE BEEN GIVEN AN OPPORTUNITY TO ASK QUESTIONS RELATED TO THE CONTENTS.

_________________________________________  _________________
Student Signature                              Date

Email address: ____________________________@ivytech.edu