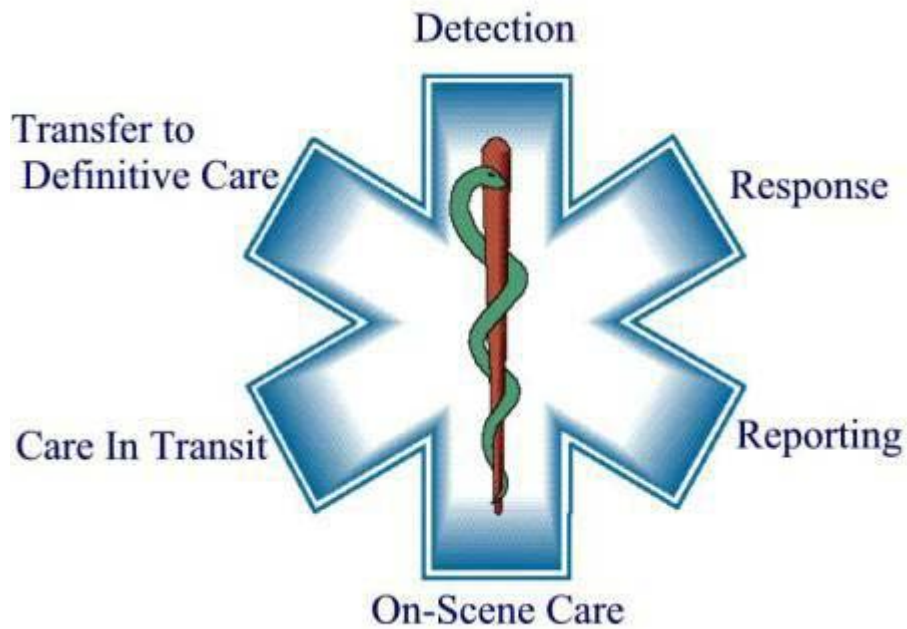




# Paramedic Science Program

## Information Packet

2010 - 2011



**School of Health Sciences**  
**700 E. Firmin Street**  
**Kokomo, IN 46903**  
(765) 457-0858 OR (866) 457-0891

## **INTRODUCTION**

This packet introduces you to the Paramedic Science Program at Ivy Tech Community College Kokomo Region.

## **ACCREDITING ORGANIZATIONS**

The College is accredited by the North Central Association of Colleges and Schools. The Paramedic Program is approved by the Indiana Department of Homeland Security and is accredited by the Commission on Accreditation of Emergency Medical Systems Professions (CoAEMSP), under the umbrella of Commission on Accreditation of Allied Health Education Professions (CAAHEP).

## **STANDARDS**

The Paramedic Science Program satisfies the standards of:

National Registry of Emergency Medical Technicians (NREMT)  
PO Box 29233  
Columbus, OH 43229  
614-888-4484  
[www.nremt.org](http://www.nremt.org)

Students successfully completing the Paramedic Science Program are eligible to take the National Registry examination. This examination is a prerequisite for certification as a Paramedic in the state of Indiana.

# Paramedic Science Program

Kokomo Ivy Tech Community College of Indiana, Region 5, is pleased to hear of your interest in our Paramedic Science Program. We will start a new program cohort consisting of **twelve (12)** students beginning in the **fall semester of each year**. Successful completion of this degree will lead to an Associate of Science Degree and graduates will be eligible to take the National Registry Examination for certification as Emergency Medical Technician-Paramedics.

The Paramedic Science program prepares competent health care providers who possess the professional qualities required to function in the uncontrolled environment of emergency medicine in the pre-hospital setting. The curriculum includes both clinical and practical instruction as well as a field internship in advanced emergency medical care and services. The degree requires 66.5 credit hours for completion.

## To be eligible for the program, you must:

- be admitted to the college, have a high school diploma or GED and have taken the college placement exam (COMPASS test);
- be a currently certified EMT and maintain current certification as an EMT
- be able to document at least 20 hours of patient care experience within the year prior to the start of the paramedic program (actual patient care, not just shifts worked)
- be currently certified and maintain certification in cardiopulmonary resuscitation at the American Heart Association healthcare provider level
- Successfully pass a 10 panel drug screen and a nationwide background check.
- Have no felony arrests/convictions
- No more than 2 serious traffic violations within the past two (2) year period.
- Pass a physical exam certifying ability to perform the essential functions of the job. (enclosed)
- Be of sound mind (no psychiatric history)
- Have no disability that impairs the ability to perform the essential functions nor have a learning disability (per Indiana EMS commission ruling July 15, 2005)
- complete and submit the enclosed application form
- Attend the announced orientation session in the previous spring
- Admission is based on a two step admission process (enclosed) If there are more applicants than seats available, selection will be made by point standing.

## To obtain an application for admission to the college, please do one of the following:

1. Go to [ivytech.edu](http://ivytech.edu) and choose from the left hand column 'apply now'
2. Contact John Chalfin via email at [jchalfin@ivytech.edu](mailto:jchalfin@ivytech.edu)
3. Contact the Program Secretary, at ext. 100. An application will be sent to you in the mail. It will be your responsibility to contact our Learning Resource Center (library) at (765) 459-0561, ext. 515 to set up an appointment for your placement test. It is best to have these steps completed as soon as possible. You may need to take some basic skills courses in the summer to prepare you for the fall semester of courses.

Thanks again for your interest in this exciting program! We look forward to hearing from you!

John Chalfin, BGS, EMT-P, PI, CHT, DMT, MDI      Paramedic Science Program Chair

## Required Equipment

The following list of equipment and uniforms is required for EMT-B and Paramedic classes:

- Uniform shirt, gray polo with appropriate logo. Royal blue for EMT-Basics and Burgundy for Paramedic students
- Dark Blue EMT Pants with cargo pockets, equipped with snap down tab/tether for shears
- Duty boots/black in color—Bates, Magnum, Converse, etc or equivalent
- Black leather duty belt
- Stethoscope and blood pressure cuff (I recommend a good Littman or Prestige or equivalent). Don't get carried away and get a \$300 stethoscope, but don't get a cheap one that you can't hear on an ambulance. \$50-\$75 should equip you nicely.
- Pen light to check reactivity of pupils
- 5 ½ inch (large) EMT trauma shears
- Black sharpie
- Good ball point pen
- 2-H lead pencils for tests (at least 2 with a good eraser that does not smudge)
- Text books selected for the course.

## Graduation

Certification requirements for students seeking a degree include:

- A. Successful completion of all courses within program certification requirements at a minimum cumulative grade point average of 2.00.
- B. Successful completion of the required number of credits.
- C. 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.
- D. Satisfaction of all financial obligations due the College.
- E. Satisfaction of program accreditation standards that may have additional requirements. (4.1 APPM – DEGREE REQUIREMENTS/ GRADUATION)

## Grievance Process

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. A full description of the informal and formal grievance procedures can be found in pages 10-13 of 9.1SAP – STUDENT RIGHTS AND RESPONSIBILITIES.

## **Student Disciplinary System/Student Code of Conduct**

Students enrolled at the College are expected to conduct themselves in a mature, dignified and honorable manner. Students are entitled to a learning atmosphere free from discrimination, harassment, sexual harassment and intimidation. This applies to the conduct between faculty and staff to student, student to student, and student to faculty and staff.

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.

All Ivy Tech students are expected to abide by the College rules of conduct listed in pages 3-8 of 9.1SAP – STUDENT RIGHTS AND RESPONSIBILITIES.

Anyone found in violation of College regulations shall be subject to disciplinary action by the College through due process procedures for student conduct violations. Cases of student misconduct and/or lack of academic integrity are to be referred to the Chief Academic Officer or Chief Student Affairs Officer. A student who violates the rules and regulations of the College may be subject to disciplinary actions, which may include, but not limited to the following:

- A. Verbal reprimand;
- B. Restitution for damages;
- C. Restriction of privileges;
- D. Failure of the assignment or course;
- E. Withdrawal from a course, program or the College for the remainder of the semester or term;
- F. Suspension from the College (one calendar year);
- G. Dismissal from the College (five years; student may appeal for reinstatement).

In addition, the College representative will be responsible to review all initial disciplinary procedures and may suspend a student for a period of time until the Student Status Committee can meet.

Students are provided an opportunity to appeal any disciplinary decision and are required to sign a waiver if they choose to waive the right to appeal. The basic process in discipline cases is as follows: to notice of charges, notice of possible penalty, and opportunity to explain a defense to some authority.

The Student Status Committee hears all appeals relating to disciplinary actions. (9.1SAP – STUDENT RIGHTS AND RESPONSIBILITIES).

### **Guidelines for Professional Conduct in Clinical Settings**

Expectations for student behavior in clinical settings and field internships are governed by clinical agency affiliation agreements and are outlined in your student handbook, available on the first day of class. These guidelines are consistent with Ivy Tech State College policies for student conduct and are subject to the Student Disciplinary System 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 Paramedic Science Program will use the following grading scale:

94-100	A
87-93	B
80-86	C
73-79	D
72 and below	F

## Charges to Students

In 1998, an NCA self-study committee identified the issue of charges for consumables was identified as a concern, particularly in light of inconsistent practices among the regions for the provision of such materials. There was renewed interest in this subject when the Indiana Commission for Higher Education conducted a survey on fees and other charges in public institutions.

A Fees Committee was formed and issued a final report in the Fall of 1999 with the recommendations about how and what fees should be charged. Their recommendations follow:

1. In order to achieve consistency in regard to the selling of instructional supplies, a list of specific items must be identified for which charges can be made. Other instructional consumables not on that list must be provided in the classroom without additional charge. Charges were set by course, are the same in each region and include, e.g., materials in some of the welding, drafting, science, and visual communications courses.
2. Course kits may still be sold in the bookstore that include miscellaneous disposable practicum items, such as gloves, masks, safety glasses, tape, etc.
3. It is appropriate and allowable to charge students for tests, uniforms, and other similar charges either through the bookstore or the bursar's office.

Typical charges include (but are not limited to):

1. Tuition – **Indiana residents** pay \$104.55 per credit hour  
**Out-of-State residents** pay \$221.35 per credit hour
2. Other cost and fees
  - a. EMT-B – Fisdap fee of \$15 per student (this is your clinical scheduling tool)
  - b. EMT-P – Fisdap fee is \$100 per student (this is your clinical scheduling tool & a preliminary final exam charge)
  - c. PARM 220 – CAPSTONE Testing @ \$18.75
  - d. Technology Fee -- \$60 per semester

### **Payment of Fees**

You must arrange to pay all fees when you register. Students are officially registered and free to attend class after all fees are satisfied. You may pay with a personal check, cash, Visa or MasterCard. Read more about financial aid at [IvyTech.edu](http://IvyTech.edu).

**IVY TECH COMMUNITY COLLEGE  
HEALTH SCIENCE PROGRAMS ADMISSION-SELECTION PROCESSES**

**PROGRAM: Paramedic Science**

**STEP ONE: Admission to the College**

- Contact the Admissions Department for College admission requirements.

**STEP TWO: Admission to the Program**

- **Advising:** Attend a required program information session and/or meet with a program advisor; contact your advisor for campus-specific advising requirements).
- **Prerequisites:** Complete pre-requisite requirements
  - Current Indiana EMT or NREMT certification
  - Current American Heart Association Healthcare Provider BLS certification
  - Valid Indiana Driver's License
  - Program course pre-requisite: APHY 101
- **Program Application:** Submit a program application prior to the established deadline date. Contact your advisor for campus-specific information on how to obtain an application packet and for campus-specific application deadline date.
- **Selection Policy:** When there are more qualified applicants than seats available, a point system will be utilized to determine who is admitted to the program.
  - Applicants having the highest points will be offered admission to the program according to the number of clinical spots available.
  - **Course Points – maximum 36 points**
    - Points will be assigned for grades earned in the first semester prerequisite courses:  
**A = 6 points   B = 4 points   C = 2 points**  
APHY 101  
APHY 102  
\*ENGL 111  
\* MATH 1XX Mathematics elective  
COMM 102  
\*PSYC 101 OR SOCI 111  
\* Points awarded for credits received by CLEP or DANTES test out = 2 points.
  - **Work Experience/Certification Points – maximum 25 points**
    - First responder, EMT-B, EMT-Advanced – 5 points/year
    - LPN, RN - 4 points/year
    - ACLS, PHTLS, BTLS, PALS, NOLS - 2 points for each current certification
    - ACLS, PHTLS,BTLS, PALS, NOLS, BLS - 4 points for each Instructor certification
  - **Tie Breaker**
    - Earliest date/time that application was received.

# Application for Paramedic Science Program

Date: \_\_\_\_\_ Social Security Number: \_\_\_\_-\_\_\_\_-\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Home Phone:(\_\_\_\_) \_\_\_\_\_ Business Phone: (\_\_\_\_) \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Are you at least 18 years of age or older? \_\_\_\_ Yes \_\_\_\_ No

## In Case of Emergency, Please Contact:

Name: \_\_\_\_\_ Relationship: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone: \_\_\_\_\_

## CERTIFICATIONS

EMT Certification Number: \_\_\_\_\_ Expires: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Where did you attend EMT training: \_\_\_\_\_

Instructor: \_\_\_\_\_ Date Attended: \_\_\_\_\_ to \_\_\_\_\_

## PLEASE ATTACH A COPY OF CERTIFICATION

Any other certifications? \_\_\_\_\_

College or University: \_\_\_\_ Yes \_\_\_\_ No Circle year completed: 1 2 3 4 5 6 7 8

Business, Special or Professional School? \_\_\_\_ Yes \_\_\_\_ No

Name of School: \_\_\_\_\_

Address: \_\_\_\_\_

Type of Study: \_\_\_\_\_

Completion Date: \_\_\_\_\_

How were you referred to the Program? \_\_\_\_\_

**Ivy Tech Community College of Indiana  
School of Health Sciences  
Health Statement**

**PARAMEDIC**

Student Name: \_\_\_\_\_ SS# \_\_\_\_\_ Date of Birth \_\_\_/\_\_\_/\_\_\_

Address: \_\_\_\_\_

Telephone Numbers: Home: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Work: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_

Cell: \_\_\_\_\_ Email: \_\_\_\_\_

**Immunizations and Lab Tests:** Clinical affiliates require that students show proof of the following immunizations and laboratory tests. If the physician recommends that a specific immunization or lab test not be given to the applicant, written documentation must be supplied by the physician or nurse practitioner to the College. **Ivy Tech Community College of Indiana reserves the right to not admit a student to a clinical course if one or more immunizations or lab tests are not completed, unless documentation is attached and signed by the physician or nurse practitioner.**

**REQUIRED IMMUNIZATIONS OR LAB TESTS:**

**Measles (Rubeola), Mumps, Rubella Immunity (MMR):**

1. If applicant is born before 1-1-57, they are considered immune. However, medical personnel who are unsure of their immunity should be immunized.
2. If applicant is born after 1-1-57, they should show proof of:
  - \* Two doses of measles vaccine or measles contained vaccine are required. Both vaccines must be given after 1967 (the first on or after the first birthday) and the two doses must be separated by at least 30 days.
  - \* One dose of mumps and rubella given after first birthday
3. **Measles and mumps:** Documentation by immune titer test or physician-diagnosed disease is acceptable.
4. **Rubella:** Immune titer test is acceptable, but physician-diagnosed disease is not acceptable.

Vaccine	Date of First Vaccine mo/day/yr	A N D	Date of Second Vaccine mo/day/yr	O R	Date of Immune Titer mo/day/yr	O R	Date of Physician-Diagnosed Disease mo/day/yr
<b>MMR</b>		X					
- or -							
Measles		X		X		X	
Mumps				X		X	
Rubella							

**Chicken Pox:** Evidence of immunity required.  
**Titer:** \_\_\_\_\_ **Results:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Vaccine:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Tetanus/Diphtheria Booster:** Within last 10 years \_\_\_\_\_  
 Date \_\_\_\_\_

**TB Test:** For health care workers who have not had a documented negative tuberculin skin test in the preceding 12 months, baseline tuberculin skin testing should employ a two-step method (*IAC 16.2 Health Facilities Rules for the State of Indiana*).

**Tuberculin Mantoux Test:** Lot # \_\_\_\_\_

**First step**  
 (within 90 days, prior to clinical semester)    \_\_\_\_\_  
 Date Adm.    Adm. by    Date Read    Results    Read by  
 (mm)

**Second step**  
 (If first step is negative, second step should be performed in one to three weeks later.)    \_\_\_\_\_  
 Date Adm.    Adm. by    Date Read    Results    Read by  
 (mm)

- OR -

**QuantIFERON®-TB Gold (QFT-G)**    \_\_\_\_\_  
 Date Adm.    Results  
 (QFT-G “Positive” result requires Chest X-ray; “Indeterminate” result requires a Mantoux test, per ISDH)

- AND / OR -

**Chest X-ray:**    \_\_\_\_\_  
 (if Mantoux is positive; 90 days prior to clinical semester)    Date    Results    Read by

**Hepatitis B Vaccine:** First dose must be given or declination statement on file by first clinical day.

First Dose \_\_\_\_\_    Second Dose \_\_\_\_\_    Third Dose \_\_\_\_\_    Titer \_\_\_\_\_    Declined \_\_\_\_\_  
 Date    Date    Date    Date    Date

I have examined \_\_\_\_\_ (applicant’s name), and find the applicant capable of delivering direct patient care and/or client services in keeping with the essential functions of the program (see attached essential functions).

\_\_\_\_\_  
 Name of Physician (PRINT)    Physician Signature    Date

**OR**

\_\_\_\_\_  
 Name of Board Certified Nurse Practitioner (PRINT)    Board Certified Nurse Practitioner Signature    Date

**I UNDERSTAND THAT THE INFORMATION ON THIS FORM OR THE FORM ITSELF MAY BE GIVEN TO CLINICAL AFFILIATE SITES AS REQUIRED FOR INSTITUTIONAL ACCREDITATION.**

\_\_\_\_\_  
 Name of Student (PRINT)    Student Signature    Date

# ESSENTIAL FUNCTION REQUIREMENTS FOR PARAMEDICS

<b>TASK</b>	<b>Weight (lbs)/Reach</b>	<b>% of Time</b>	<b>Description Tasks</b>	<b>Remarks</b>
Carrying	250 lbs	60%	Carry patient from scene to ambulance	With assistance of 1 or 2 additional persons
Hearing/Speaking		100%	Listening and communicating with patients and personnel	Must have excellent communication skills
Vision		100%	Performing patient care and driving skills	Corrected to 20/20 vision
Lifting	250 lbs	60%	Lifting patients from ground to stretcher	With assistance
Pulling/Pushing	250 lbs	60%	Pull or push stretcher to ambulance	With assistance
Sitting		25%	Completion of run reports	Writing
Eye/Hand Coordination		100%	Writing, run reports, driving, patient care skills	Sometimes in adverse weather and light conditions
Standing		75%	Patient care at scene and in hospital	Sometimes in adverse weather
Walking		75%	Patient care at scene and in hospital	Sometimes in adverse weather
Bending/Stooping/Squatting	250 lbs	60%	Lifting and moving equipment and patients	With assistance
Special Requirements: (i.e. Climbing, Cleaning, Driving, Crawling, One-Handedness, etc.)		80%	Must drive ambulance, climbing, crawling, etc. occurs while performing rescues	Considerable physical and mental effort in duties requires judgment and perception and normal use of all limbs, eye and ears, heavy lifting required.

**Ivy Tech Community College of Indiana**  
**School of Health Sciences**  
**PARAMEDIC SCIENCE**  
**ADVISOR CHECKLIST**

Student Name: \_\_\_\_\_ Date Started: \_\_\_\_\_

Social Security Number: \_\_\_\_\_ Phone Number: \_\_\_\_\_

DEVELOPMENTAL COURSES

	<u>Needed</u>	<u>Completed</u>		<u>Needed</u>	<u>Completed</u>
ENGL 024	_____	_____	ENGL 032	_____	_____
ENGL 025	_____	_____	MATH 015	_____	_____
ENGL 031	_____	_____			

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Prerequisites</u>	<u>Completed</u>
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**SEMESTER 1**

IVYT 1XX	Life Skills Elective	1.0	None	_____
APHY 101	Anatomy and Physiology I	3.0	ENGL 025, ENGL 032, MATH 015	_____
MATH 1XX	Intermediate Algebra or higher	3.0	MATH 015	_____
PARM 102	EMT-Basic Training	7.5	Must be 18 years of age; completed ASSET or COMPASS Test; had a College Health Exam; received required immunizations; completed Regionally Determined Tests; obtained Current AHA Health Care Provider CPR Certification	_____

**SEMESTER 2**

APHY 102	Anatomy and Physiology II	3.0	APHY 101	_____
ENGL 111	English Composition I	3.0	ENGL 025, ENGL 032	_____
PARM 111	Preparatory I	3.0	PARM 102	_____
PARM 112	Preparatory II	3.0	PARM 113	_____

**SEMESTER 3**

COMM XXX	Communications Elective	3.0	Course Specific	_____
PARM 115	Airway & Patient Assessment	3.5	PARM 112, APHY 101	_____
PARM 116	Clinical I	1.5	APHY 101	_____
PARM 200	Trauma	3.0	PARM 115, APHY 102	_____

**SEMESTER 4**

PARM 210	Medical I	6.0	PARM 200, APHY 102	_____
PARM 216	Clinical II	1.5	PARM 115, PARM 116	_____

**SEMESTER 5**

XXXX XXX	Humanities/Social Science Elective	3.0	ENGL 111	_____
PARM 213	Medical II	5.0	PARM 210, APHY 102	_____
PARM 219	Clinical III	1.5	PARM 115, PARM 116	_____

**SEMESTER 6**

PARM 215	Special Considerations	3.5	PARM 213, APHY 102	_____
PARM 220	Operations	2.5	PARM 215	_____
PARM 221	Ambulance Internship	6.0	PARM 219, PARM 220 (co-req)	_____

**Total Credits** **66.5**

# Ivy Tech Community College of Indiana

## Paramedic Science

### PARM 102-EMT BASIC TRAINING

7.5 credits

Requires laboratory practice and clinical observation in a hospital emergency room, nursing home and ambulance. Covers theories, techniques and operational aspects of pre-hospital emergency care within the scope and responsibility of the emergency medical technician (EMT). Prepares students for the state certification examination. Prerequisites: 18 years of age; High School diploma or GED; completion of ASSET or COMPASS test; college health exam; required immunizations; regionally determined tests; & current health care provider CPR.

### 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 025.

### APHY 102-ANATOMY & PHYSIOLOGY II

3 credits

Continues the study of the interrelationships of the systems of the human body. Prerequisites: APHY 101

### PARM 111-PREPARATORY I

3 credits

The legal, moral and ethical responsibilities of the health care Professional are introduced. An overview of the EMS System and its components and their relationships is presented. The essential principles of standard of care, medical liability, areas of potential medical liability, and medical liability protection are introduced. An overview of stress, reactions to stress, anxiety, paramedic job stress and dealing with death and dying is discussed. The essentials of Pathophysiology and how the understanding of disease processes will improve upon the level of care provided by the paramedic are explained. Prerequisites: Certification as an EMT; course application and physical exam on file; current Health Care Provider CPR card; successful completion of written and practical entrance exams; positive evaluation by selection committee; demonstrated competency in reading, writing, and mathematics through appropriate assessment or successful completion of academic skills advancement classes. Lifespan Development is also included.

### PARM 112-PREPARATORY II

3 credits

Pre-hospital pharmacology is the introduction of drug information, action of drugs, weights and measures and the administration and techniques of administering drugs. The essentials of Venous Access, Therapeutic Communications. Prerequisite: PARM 111.

### PARM 115-AIRWAY, PATIENT ASSESSMENT

5 credits

The fundamentals of airway management including airway anatomy and physiology, assessment, management, ventilation, and suction are emphasized. General patient assessment, initial management including scene survey, initial assessment, resuscitation, focused/detailed exam, history, definitive field management, and re-evaluation are also introduced. Prerequisites: PARM 112, APHY 101.

### PARM 116-CLINICAL I

1.5 credits

Provides experiences in a hospital environment or other medical setting under supervision. Provides the opportunity to practice and perform patient assessment, endotracheal intubation, intravenous access techniques, therapeutic communication techniques in the emergency department, surgery, and other appropriate clinical areas. Pre-requisites: APHY 101

### PARM 216-CLINICAL II

1.5 credits

Provides experiences in a hospital environment or other medical setting under supervision. Provides the opportunity to practice and perform patient assessment, endotracheal intubation, suction of upper and lower airway, delivery of aerosolized medications, administration of medications via various enteral and parenteral routes, intravenous access techniques, interpretation of electrocardiogram tracings, and therapeutic communication techniques in the emergency department, critical care units, behavioral units, and other appropriate clinical areas. Prerequisites: PARM 115 and PARM 116

### PARM 200-TRAUMA

3 credits

The course is an overview of kinematics, primary survey, resuscitation, secondary survey and management, monitoring and transporting trauma victims. The pathophysiology of shock, care of shock and victim oxygenation are covered. It defines parameters and discusses anatomy and physiology as related to burn injury, presents pathophysiology related to a specific source of burn injury and presents patient-related detail assessment and specific management of burns. Basic Trauma Life Support (BTLS) certification must be earned during this course. Prerequisites: PARM 115 and APHY 102.

### PARM 210-MEDICAL I

6 credits

Pulmonology, respiratory management, and pharmacological interventions are covered in detail. Cardiology and Dysrhythmia recognition relative to pre-hospital intervention are emphasized. (ACLS) Advanced Cardiac Life Support certification must be earned during this course. Prerequisites: PARM 200 and APHY 102

### PARM 213-MEDICAL II

6 credits

Etiology and treatment of medical emergencies associated with the nervous, endocrine and reproductive systems are reviewed. Allergies & Anaphylaxis, Gastroenterology, Toxicology, Hematology, Infectious & Communicable Diseases, Environmental Conditions and Behavioral and Psychiatric Disorders are presented. Prerequisites: PARM 210 and APHY 102

### PARM 215-SPECIAL CONSIDERATIONS

5 credits

Pediatrics, geriatrics and interventions for the chronic care patient and assessment based management are covered. Neonatal Resuscitation Provider (NRP) certification must be earned during this class. Prerequisites: PARM 213 and APHY 102

### PARM 219-CLINICAL III

1.5 credits

Provides experiences in a hospital environment or other medical setting under supervision. The emphasis is on gaining experience in the management of neonatal, pediatric, and obstetric patients. Provides opportunities to practice assessment, communication and management with patients ranging from neonate to young adult and opportunities to observe live births and perform assessment of obstetric patients are also available. Assessing the critically ill patient and assisting with care in specialty intensive care units and the burn unit is included. Prerequisites: PARM 115 and PARM 216

### PARM 220- OPERATIONS

2.5 credits

An awareness of the concepts of rescue and the preparation for a response to a scene/incident is provided. The essentials of crime scene awareness, medical incident command and hazardous materials operations are presented. Prerequisites: PARM 215

### PARM 221-AMBULANCE INTERNSHIP

6 credits

Students will participate in a field internship that provides on the job experience in all phases of prehospital advanced life support. All skills tested by the National Registry Exam will be reviewed and practiced. A general review of the total paramedic curriculum will be presented. This is a capstone course of the paramedic curriculum. Student's practical skills experienced through Clinical I, Clinical II, Clinical III and this course must demonstrate competency in the objectives listed as required by the National Standard Curriculum, DOT 1998. Prerequisites: PARM 219; Co-requisite: PARM 220.

### 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 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 State College.

# PARAMEDIC SCIENCE PROGRAM CROSS-WALK

**This information applies to currently certified paramedics seeking the Associate of Applied Science Degree in Paramedic Science.**

## **CREDIT WILL BE GIVEN AS FOLLOWS:**

### **Current Certification**

State EMT-B Certification

State EMT-B Certification

Current National Registry EMT-Paramedic Certification

**OR**

State EMT-Paramedic Indiana Certification

### **Course Credit Given**

PARM 102 Emergency Medical Technician-Basic Training

PST 120 First Responder

PARM 102 Emergency Medical Technician - Basic Training

PARM 111 Preparatory I

PARM 112 Preparatory II

PARM 115 Airway, Patient Assessment

PARM 116 Clinical I

PARM 200 Trauma

PARM 210 Medical I

PARM 213 Medical II

PARM 215 Special Considerations

PARM 216 Clinical II

PARM 219 Clinical III

PARM 220 Operations

PARM 221 Ambulance Internship