

2022-23 PROGRAM CATALOG

VALPARAISO CAMPUS

Michigan City and La Porte Sites



3100 Ivy Tech Drive
Valparaiso, IN
46383

3714 Franklin Street
Michigan City, IN
46360

1900 Whirlpool Drive
La Porte, IN
46350



IVY TECH
COMMUNITY COLLEGE



Welcome to Ivy Tech!

Chancellor Aco Sikoski



Welcome to the 2022-23 Program Catalog for Ivy Tech Community College, Valparaiso Campus! We are excited to be able to show you the wide range of programs offered at our campus, which includes our sites in Michigan City and La Porte as well. I have served the Valparaiso campus as chancellor for several years and have seen first-hand how passionate and dedicated our faculty and staff are to prepare our students with the skills and confidence needed for the workforce today. At Ivy Tech, we are all educators, and we offer specialized programs that energize each person who embarks on a scholastic journey here at Ivy Tech.

The possibilities are limitless for the Ivy Tech graduate. Alumni across the state and beyond have made great strides in the fields of nursing, advanced manufacturing, cyber security, surgical technology, computer science, engineering, business, criminal justice, design technology, human services, medical assisting, software development, education, paramedic science, cloud technologies, psychology and more. We are also proud to be the most affordable option in higher education in the State of Indiana. Our Ivy Plus program, which will continue into the 2022-23 academic year, reduces the cost of attending Ivy Tech with frozen tuition, free textbooks and free classes after twelve credit hours per semester.

Although we have all faced challenges due to the COVID-19 pandemic, there has never been a better time to start or continue your postsecondary education. Students at Ivy Tech come from all backgrounds. It's never too late nor too early to start your story at Ivy Tech Community College. Our faculty and staff are driven to provide the highest quality education at the most affordable cost. We hope to see you soon at the campus!



Ivy+ is frozen tuition; the price per credit hour will not increase. It also means free textbooks for the 2022-23 academic year and free classes after just 12 credit hours!

FROZEN TUITION

for the 2022-23 academic year

FREE TEXTBOOKS

FREE CLASSES

after 12 credit hours

The Economic Value of Ivy Tech Community College Valparaiso

EXECUTIVE SUMMARY



IMPACTS CREATED BY IVY TECH VALPARAISO IN FY 2018-19



\$17.8 million
Operations Spending Impact



\$1.8 million
Student Spending Impact



\$54.2 million
Alumni Impact



\$73.8 million
TOTAL IMPACT

- OR -

1,204
JOBS SUPPORTED

IVY TECH VALPARAISO IMPACTS BY INDUSTRY (JOBS SUPPORTED)



146

Health Care & Social Assistance



136

Retail Trade



81

Manufacturing



68

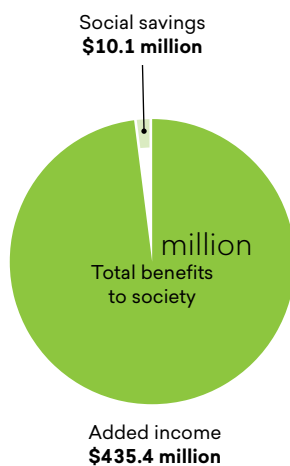
Government, Non-Education



63

Construction

SOCIAL BENEFITS IN INDIANA FROM IVY TECH VALPARAISO



STUDENTS SEE A HIGH RATE OF RETURN FOR THEIR INVESTMENT IN IVY TECH VALPARAISO



18.2%

Average annual return for
Ivy Tech Valparaiso students



9.9%

Stock market 30-year
average annual return



0.8%

Interest earned on savings account
(National Rate Cap)

STUDENT PERSPECTIVE

\$112.2 million
Present value benefits

\$26.3 million
Present value costs

\$85.9 million
Net present value

Benefit-cost ratio Rate of return

4.3

18.2%

TAXPAYER PERSPECTIVE

\$32.2 million
Present value benefits

\$16.9 million
Present value costs

\$15.3 million
Net present value

Benefit-cost ratio Rate of return

1.9

5.3%

SOCIAL PERSPECTIVE

\$445.5 million
Present value benefits

\$43.3 million
Present value costs

\$402.2 million
Net present value

Benefit-cost ratio Rate of return

10.3

n/a*

* The rate of return is not reported for the social perspective because the beneficiaries of the investment are not necessarily the same as the original investors.





Valparaiso Campus

Michigan City & La Porte Sites

3100 Ivy Tech Drive, Valparaiso, IN 46383
3714 Franklin Street, Michigan City, IN 46360
1900 Whirlpool Drive, La Porte, IN 46350
Phone: (219) 464-8514



FAST FACTS

Enrollment: **4,451 (AY 2020-21)**
Counties Served: **Porter, La Porte, Starke, Jasper, Pulaski**
Employees: **51 FT Faculty & 74 PT Faculty; 62 FT Staff & 35 PT Staff**
Number of Programs: **38**

CHANCELLOR'S CABINET

Aco Sikoski, Chancellor
Lori Staack, Executive Assistant
Lori Plank, Vice Chancellor of Academic Affairs
Dr. Countance Anderson, Vice Chancellor of Student Success
Matt Crawford, Vice Chancellor of Enrollment Services
Patti Shields, Executive Director of Career Coaching & Employer Connections
Olivia Zdraveski, Executive Director of Human Resources
Cindy Hall, Executive Director of Resource Development
Brooke Lichtenbarger, Interim Executive Director of Finance
Marcos Rodriquez, Michigan City & La Porte Site Director
Eric Zavinski, Director of Marketing & Communications
Tom Mize, Director of Facilities
William Brookshire III, Public Safety & Emergency Preparedness Campus Lead
Bob Clark, Director of IT
Kelly Daubek, Campus Diversity Lead

DEMOGRAPHICS: AY 2021-2022

Enrollment Top 5 Counties: Porter – **1,888**; Lake County – **986**; La Porte – **821**; Jasper – **198**; Starke – **160**

Valparaiso Campus Students:

GENDER:

Female	2,762
Male	1,527
Unreported	162

RACE:

White	3,200
Black/African Amer.	399
Multiracial	246
Hispanic/Latino	176
Asian	42
Amer. Indian/Alaskan	19
Pacific Islander	6
Not Available	363

AGE:

19 and under	1,057
20-24	1,428
25-34	1,167
35-39	274
40 and above	525

WHAT MAKES OUR CAMPUS UNIQUE?

- Major industrial technology and manufacturing partners: Cosmyfy, Sullair, Cleveland Cliffs, Sullivan Palatek, Precoat Metals, Shoremet, Chester, NITCO, Methodist Hospitals, NIPSCO, and more
- Strong ties to higher education partners: Valparaiso University, Purdue University Northwest, and Indiana University Northwest
- Campus plays an integral role in the Northwest Indiana Forum Regional Economic Development Organization, a regional strategy for economic transformation in the second largest economy in Indiana
- An engaged board of trustees that helps develop partnerships with community stakeholders so that our students can thrive post-graduation



Chair
Robert Thorgren



BOARD OF TRUSTEES

Robert Thorgren

Beth Wrobel

Johana Alanis

Mike Riehle

Tim Stoner

Barbara Eason-Watkins

State Trustee: Stewart McMillan

Clarence Hulse

Lisa Daugherty

Audra Peterson

Ronald Gifford

Vernon Beck

WHAT WE'RE KNOWN FOR:

The Valparaiso campus is home to highly-credentialed faculty and staff who are passionate about helping students succeed beyond the classroom. Some of our recent accomplishments include:

- Opening a state-of-the-art Cyber Security Operations Center & Awareness Lab with the help of State of Indiana officials and Cyberbit, a software company specializing in preparing students for the workforce by teaching them to recognize and fend off cyber attacks
- Collaborating with Italian cosmetics company AllMyFy, with students helping to design the brand of *Duneland Beauty*, a new line of beauty products inspired by Northwestern Indiana
- Maintaining NCLEX-RN pass rates above the 80% benchmark for six years running
- Being a pilot campus for Ivy Tech's new Career Coaching and Employer Connections team
- Our School of Business founding its own chapter of Kappa Beta Delta (Delta Omega chapter); Kappa Beta Delta is the international honor society for business programs accredited by ACBSP
- Our Energy Technology program having received the NIPSCO Luminary Education Award in 2019
- Becoming accredited by the Association of Technology, Management and Applied Engineering in 2020
- Our Cyber Security & Information Assurance program having received the Award of Excellence in Cyber Security from the Department of Education and placing second in the nation for the US Cyber Challenge 2020 National Cyber Security Competition
- Our Network Infrastructure Program having received the Cisco Partnership Award in 2020
- The Indiana Society of Medical Assistants awarding our Michigan City Site with the 2020 Eva Irwin CMA (AAMA) Medical Assistant Program Fund Award
- Our Paramedic Science program having received full accreditation from CAAHEP in July 2020; the Valparaiso campus has since expanded offerings to meet our students' needs for EMT & Paramedic Science, including the creation of a Paramedic to ASN track
- Having 100% pass rates in our CNA, Pharmacy, EKG and Surgical Technology programs



Welcome to Ivy Tech!

Vice Chancellor of Academic Affairs
Lori Plank



We are honored that you are considering a postsecondary education at Ivy Tech. Enrolling in one of our programs leads to a concrete career path. Within these pages, you will discover what career opportunities are available once you graduate and what you can expect to earn once you land in the field of your choosing.

Undecided? This catalog is a great resource that will help you learn more about the dozens of programs we offer at the Valparaiso campus. You can read up on program descriptions and see for yourself what kinds of classes you'll be taking in a particular program at Ivy Tech.

At the Valparaiso campus, we have thirty-eight programs offered throughout our seven schools. As you will see, many of these programs offer numerous concentrations that will allow you to specialize your credentials. Each pathway will be laid out for you in the following pages.

In this catalog, each school has a tab so that you can easily reference your program of interest. Behind each tab, programs are alphabetized within their school. On the left pages, we are excited to share with you the most important information, the kind of facts that will let you know if a particular program leads to a career path that is right for you. We have included program descriptions, career opportunities, salary outlook and information on how to apply on every program front page.

On the right pages, you'll be able to see the exact course curriculum you can expect if you apply and start classes at Ivy Tech this fall. Many of our programs offer certificates, technical certificates and Associate Degrees for our graduates. We have established transfer programs with many of the four-year institutions across the State of Indiana, meaning it's fully possible to start your postsecondary education at Ivy Tech and continue learning more after graduation. We encourage students to further their education at our partner schools, which include but are not limited to Indiana University, Purdue University, Indiana State University, Ball State University and Valparaiso University.

Most importantly, relevant contact information is included for each program, allowing you to apply now if you're ready or ask those in the know the questions you may have. Enjoy this showcase of what we have to offer. We hope to see you soon!



Welcome to the School of Advanced Manufacturing, Engineering & Applied Science!

Dean Jennifer Furmanek



What We're Known For

The School of Advanced Manufacturing, Engineering, & Applied Science offers a variety of exceptional programs and concentrations. If you are a student who loves to learn new things in technology, experiment and tinker with equipment, see the impact of creative problem solving, or get enjoyment from seeing how things work, then this school is for you! We have programs in Industrial Technology, HVAC, Welding, Machine Tool Technology, Design, Engineering and Engineering Technologies, Energy, Automation & Robotics, and Agriculture.

Many of these programs have multiple concentrations that you can choose from to meet your personality and passion, creating over 20 different pathways a student can take. Additionally, most programs are built with embedded certifications that are highly regarded in industry. Not only will you leave Ivy Tech with a credentialed degree, but you may also earn several possible certifications as well.

The Valparaiso Campus has three state-of-the-art labs that are designed to adapt to the creative and innovative needs of our technology students. The Flex Lab offers training for future manufacturers seeking careers in advanced manufacturing, industrial maintenance, machine tool technology, and energy programs such as our electric line program in which students learn energy fundamentals, climbing, transmission of power, and the necessary electrical skills to be a Power Line Worker. Our Michigan City and La Porte sites also have labs that offer our Industrial Technology courses for our La Porte County students. Ask me for a tour today! My contact information is on the bottom of each front page of our program sheets.



2022-23

ADVANCED AUTOMATION AND ROBOTICS

The Advanced Automation and Robotics Technology (AART) Program at Ivy Tech offers hands-on learning with modern equipment in classes taught by faculty who have spent their careers working in manufacturing. Students will be able to troubleshoot automated manufacturing equipment like PLCs, robotics, pneumatics, hydraulics, and motors and controls.

CAREER OPPORTUNITIES

What can I do with this major?

- Automation Technician
- Controls Engineer
- Service Technician
- Repair Technician

"American Licorice Company appreciates the partnership built with Ivy Tech to ensure our Associates have the opportunity to continue their growth and development."

- Karen Kopka

Director of Human Resources



SALARY OUTLOOK

\$58,991

**Data is Average Annual Salary Specific to Indiana*

EARN MORE & IMPROVE YOUR SKILLS

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APPLY NOW FOR FREE

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(219) 476-4701



YOU'VE GOT QUESTIONS; WE'VE GOT ANSWERS

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Ashley Witmer: awitmer4@ivytech.edu; (219) 476-4753

Department Chair:

Mark Antrim: mantrim3@ivytech.edu; ext. 3119







Career Coach:

Andrew Miles: amiles94@ivytech.edu; (219) 476-4772

Campus Main Line: (219) 464-8514



ADVANCED AUTOMATION & ROBOTICS TECHNOLOGY Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ADMF 101: Key Principles of Advanced Manufacturing (3 cr) CT	INDT 113: Industrial Electrical I (3 cr) CT 	IVYT 113: Student Success (1 cr) TC 	MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks
FALL Term 2	ADMF 102: Technology in Advanced Mfg. (3 cr) CT	ADMF 122: Industrial Electrical II (3 cr) TC		
SPRING Term 3	INDT 203: Machine Maintenance (3 cr) CT	INDT 104: Fluid Power I (3 cr) TC Elective*	INDT 205: Programmable Automation Controls I (3 cr) CT 16 weeks	
SPRING Term 4	ADMF 112: Mechanical Drives I (3 cr) CT	ADMF 222: Fluid Power II (3 cr) CT		
SUMMER Term 5	ADMF 202: Digital Funds and Siemens Automation Controllers (3cr) CT	ADMF 116: Industrial Robotics I (3 cr) AAS		
EARNED Mechatronics Certificate (27 Credit Hours) Automation & Robotics Technical Certificate (34 Credit Hours) 				
FALL Term 6	ADMF 206: Industrial Robotics II (3 cr) AAS	INDT 206: Programmable Automation Controls II (3 cr) AAS	INDT 211: Industrial Process Control & Inst. (3 cr) AAS Elective* 16 weeks	
FALL Term 7	ADMF 106: Supervision and Teams at Work (3 cr) AAS Elective*	INDT 212: Programmable Automation Controls III (3 cr) AAS		
SPRING Term 8	ENGL 111: English Comp (3 cr) AAS 	INDT 103: Motors and Motor Controls (3 cr) AAS 	INDT 260: Projects in Manufacturing (3 cr) AAS Elective* 16 weeks	
SPRING Term 9	INDT 204: Electrical Circuits (3 cr) AAS	INDT 279: Capstone (1 cr) AAS		
SUMMER Term 10	COMM 104: Workplace Communications (3 cr) AAS			CT-Certificate (27 credits) TC-Technical Certificate (34 credits)
FALL Term 11 & 12	SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 weeks	PSYC 101: Intro to Psychology (3 cr) AAS Elective* 		AAS-Associate of Applied Science (75 credits)



2022-23

AGRICULTURE GRAIN SYSTEMS

The Agriculture Program at Ivy Tech Community College engages students in hands-on activities in and outside of classrooms while preparing them for real-world agriculture careers. Students are exposed to various areas in the agriculture industry through field experiences and professional guest speaker presentations. Learn more here: <https://youtu.be/F7uiUebc9vQ>

CAREER OPPORTUNITIES

What can I do with this major?

- Livestock Production
- Agribusiness
- Agronomy
- Agriculture Equipment

Job opportunities are widely available.

Work for companies like:

- John Deere
- Case IH
- Fair Oaks Farms
- Independent Farmers
- And more!

SALARY OUTLOOK

\$37,194

*Data is Average Annual Salary Specific to Indiana

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Dean & Department Chair:

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Academic Advisor:

Ashley Witmer: awitmer4@ivytech.edu; (219) 476-4753

Career Coach:







Andrew Miles: amiles94@ivytech.edu; (219) 476-4772

Campus Main Line: (219) 464-8514



AGRICULTURE GRAIN SYSTEMS

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	INDT 113: Industrial Electrical I (3 cr) 	INDT 114: Introduction to Welding (3 cr) 16 weeks 		
FALL Term 2	AGRI 128: Agricultural Safety (3 cr) 			
SPRING Term 3	INDT 103: Motor and Motor Controls (3 cr) 	INDT 205: Programmable Automation Controllers I (3 cr) 16 weeks 		
SPRING Term 4	AGRI 127: Grain Systems (3 cr) 			

EARNED
Grain Systems Certificate (18 Credit Hours)


Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

2022-23

ARCHITECTURAL DESIGN TECHNOLOGY

The Design Technology Program at Ivy Tech prepares students for careers in a variety of environments including architectural firms, construction companies, big manufacturing companies, medical companies, fire safety companies, machining companies and more. Architectural Design will nourish the desire to design attractive and functional buildings and public spaces.

Designing a good building involves both an artistic feel and an engineering mind.

In our classes, you will learn about materials, space planning, structural design as well as historical and theoretical concepts in architecture.

Our studio class always completes a real-life project to sharpen students' design skills and make the world a better place.

We use the latest BIM software to allow for an easy transition into industry upon graduation.



SALARY OUTLOOK

\$62,492

**Data is Average Annual Salary Specific to Indiana*

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DESIGN TECHNOLOGY ARCHITECTURAL DESIGN

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	DESN 101: Introduction to Design Technology (3 cr) CT 	IVYT 113: Student Success in Technology (1 cr) TC 	MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks	DESN 220: 3D Computer Aided Design (3 cr) TC 16 weeks 
FALL Term 2	DESN 113: 2D Computer-Aided Design (3 CH) CT 	DESN 109: Construction Materials and Specifications (3 cr) CT		
SPRING Term 3	COMM 104: Workplace Communication (3 cr) TC		DESN 105: Architectural Design (3 cr) CT 16 weeks 	DESN 230: Computer Modeling Animation (3 cr) TC Elective* 16 weeks
SPRING Term 4	DESN 115: BIM Architecture (3 CH) CT 	DESN 227: Geometric Dimensions & Tolerance (3 cr) AAS Elective*		
FALL Term 5	DESN 130: Fundamental Computer Graphics (3 cr) AAS Elective*	ENGL 111: English Comp (3 cr) AAS 	DESN 218: Introduction to Statics and Strength of Materials (3 cr) AAS	
FALL Term 6	DESN 204: Architectural Design II (3 cr) CT	SOC 111: Intro to Sociology (3 cr) AAS Elective*		

EARNED

Certificate (18 Credit Hours)
Technical Certificate (31 Credit Hours)



SPRING Term 7	DESN 210: Surveying (3 cr) AAS Elective*	DESN 211: BIM Design I (3 cr) AAS 16 weeks	SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 weeks	DESN 217: Design Process and Applications (3 cr) AAS
SPRING Term 8	DESN 279: Design Technology Capstone (1 cr) AAS			

EARNED

Associate of Applied Science (60 Credit Hours)



CT-Certificate (18 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modality.

2022-23

COMPUTER-AIDED DESIGN TECHNOLOGY

The Design Technology Program at Ivy Tech prepares students for careers in a variety of environments including architectural firms, construction companies, big manufacturing companies, medical companies, fire safety companies, machining companies and more. Students will acquire technical skills such as 3D printing, web design, animation, and using Adobe Photoshop, Illustrator, and InDesign. Graduates will also have the foundation needed to begin a career in this field or to transfer to the four-year university of their choice.

Working with the Design Technology department has been a wonderful experience on many fronts. As a European company, we have a lot to understand about the U.S. design and marketing world, and the choice to work with Ivy Tech's students to approach that world has brought concrete results. Their ideas and freshness, with our knowledge and experience in the natural cosmetic industry, has led to the birth of a real cosmetic line and the possibility for the students to join our team and work with our company in the U.S. These are great results that give us the inspiration for more future projects with Ivy Tech.

-Camilla Magnaghi

CosMyFy

CosMyFy.com



SALARY OUTLOOK

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DESIGN TECHNOLOGY COMPUTER-AIDED DESIGN



Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	DESN 101: Introduction to Design Technology (3 cr) CT	IVYT 113: Student Success in Technology (1 cr) TC	MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks	DESN 220: 3D Computer Aided Design (3 cr) CT 16 weeks 
FALL Term 2	DESN 113: 2D Computer-Aided Design (3 CH) CT	DESN 109: Construction of Materials and Specifications (3 cr) TC Elective*		
SPRING Term 3	DESN 104: Mechanical Graphics (3 cr) CT	COMM 104: Workplace Communication (3 cr) TC	DESN 105: Architectural Design (3 cr) CT 16 weeks 	
SPRING Term 4	DESN 227: Geometric Dimensions & Tolerance (3 cr) TC Elective*	DESN 115: BIM Architecture (3 cr) CT Elective* 		

EARNED

Certificate (18 Credit Hours)
Technical Certificate (31 Credit Hours)



FALL Term 5	DESN 130: Fundamentals of Computer Graphics (3 cr) AAS Elective*	ENGL 111: English Comp (3 cr) AAS 	DESN 218: Introduction to Statics and Strength of Materials (3 cr) AAS 16 weeks	
FALL Term 6	DESN 273: Design for Additive Manufacturing (3 cr) AAS Elective*	DESN 195: Manufacturing Principles (3 cr) AAS Elective*		
SPRING Term 7	SOC 111: Intro to Sociology (3 cr) AAS Elective*		SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 weeks	DESN 217: Design Process and Applications (3 cr) AAS 16 weeks
SPRING Term 8	VISC 101: Fundamentals of Design (3 cr) AAS Elective* 	DESN 279: Design Technology Capstone (1 cr) AAS		

EARNED

Associate of Applied Science (60 Credit Hours)



CT-Certificate (18 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

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2022-23

COMPUTER GRAPHICS DESIGN TECHNOLOGY

The Design Technology Program at Ivy Tech prepares students for careers in a variety of environments including architectural firms, construction companies, big manufacturing companies, medical companies, fire safety companies, machining companies and more. Graphic Design combines technical and fine arts drawing into one field, preparing students to become graphic illustrators and commercial artists designing catalogs, magazines, newspapers, advertisements and more. Entry-level animation and web design classes are also offered.

Working with the Design Technology department has been a wonderful experience on many fronts. As a European company, we have a lot to understand about the U.S. design and marketing world, and the choice to work with Ivy Tech's students to approach that world has brought concrete results. Their ideas and freshness, with our knowledge and experience in the natural cosmetic industry, has led to the birth of a real cosmetic line and the possibility for the students to join our team and work with our company in the U.S. These are great results that give us the inspiration for more future projects with Ivy Tech.

-Camilla Magnaghi

CosMyFy

CosMyFy.com



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DESIGN TECHNOLOGY COMPUTER GRAPHICS DESIGN




Completion Guide

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FALL Term 1	DESN 101: Introduction to Design Technology (3 cr) CT 	DESN 130: Fundamentals of Computer Graphics (3 cr) CT	IVYT 113: Student Success in Technology (1 cr) TC 	
FALL Term 2	DESN 113: 2D Computer-Aided Design (3 CH) CT 	DESN 132: Raster Imaging Fundamentals (3 cr) CT		MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks
SPRING Term 3	DESN 133: Vector Imaging Fundamentals (3 cr) CT	COMM 104: Workplace Communication (3 cr) TC	DESN 105: 3D Architectural Design I (3 cr) TC 16 weeks 	
SPRING Term 4	DESN 134: Design for Visualization & Communication (3 cr) CT	DESN 115: BIM Architecture (3 cr) TC 		

EARNED

Certificate (18 Credit Hours)
Technical Certificate (31 Credit Hours)



FALL Term 5	ENGL 111: English Comp (3 cr) AAS 	DESN 220: 3D Computer Aided Design (3 cr) AAS Elective* 16 weeks 	SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 weeks	DESN 218: Introduction to Statics and Strength of Materials (3 cr) AAS 16 weeks
FALL Term 6	DESN 273: Design for Additive Manufacturing (3 cr) AAS Elective*			
SPRING Term 7	SOC 111: Intro to Sociology (3 cr) AAS Elective*		DESN 217: Design Process and Applications (3 cr) AAS 16 weeks	DESN 230: Computer Modeling & Animation (3 cr) AAS Elective* 16 weeks
SPRING Term 8	DESN 279: Design Technology Capstone (1 cr) AAS	VISC 101: Fundamentals of Design (3 cr) AAS Elective* 		

EARNED

Associate of Applied Science (60 Credit Hours)



CT-Certificate (18 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modality.

2022-23

MECHANICAL DESIGN TECHNOLOGY

The Design Technology Program at Ivy Tech prepares students for careers in a variety of environments including architectural firms, construction companies, big manufacturing companies, medical companies, fire safety companies, machining companies and more. Specialties in Design Technology: Mechanical Design include applied mechanical, manufacturing, energy systems, and pressure vessel and piping systems. Skills in these areas are in very high demand.

As Northwest Indiana has one of the highest concentrations of industry in the United States, mechanical design and drafting positions are in high demand.

We teach AutoCAD, Solid Works and soon will be offering Fusion as part of our required classes. We also offer industry certifications in these programs.



SALARY OUTLOOK

\$62,492

**Data is Average Annual Salary Specific to Indiana*

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Career Coach:


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Campus Main Line: (219) 464-8514



DESIGN TECHNOLOGY MECHANICAL DESIGN


Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	DESN 101: Introduction to Design Technology (3 cr) CT	DESN 130: Fundamentals of Computer Graphics (3 cr) TC Elective*	IVYT 113: Student Success in Technology (1 cr) TC	DESN 220: 3D Computer Aided Design (3 cr) CT 16 weeks 
FALL Term 2	DESN 113: 2D Computer-Aided Design (3 cr) CT	DESN 195: Manufacturing Principles & Design (3 cr) CT		
SPRING Term 3	DESN 104: Mechanical Graphics (3 cr) CT	DESN 109: Construction of Materials and Specifications (3 cr) TC Elective*	MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks	
SPRING Term 4	COMM 104: Workplace Communication (3 cr) TC	DESN 227: Geometric Dimensions and Tolerance (3 cr) CT		

EARNED

Certificate (18 Credit Hours)
Technical Certificate (31 Credit Hours)



FALL Term 5	ADMF 101: Key Principles in Advanced Manufacturing (3 cr) AAS Elective*	ENGL 111: English Comp (3 cr) AAS	DESN 218: Introduction to Statics and Strength of Materials (3 cr) AAS 16 weeks	
FALL Term 6	ADMF 102: Technology in Advanced Manufacturing (3 cr) AAS Elective*	DESN 273: Design for Additive Manufacturing (3 cr) AAS Elective*		
SPRING Term 7	SOC 111: Intro to Sociology (3 cr) AAS Elective*	SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 weeks	DESN 105: Architectural Design (3 cr) AAS Elective* 16 weeks 	DESN 217: Design Process and Applications (3 cr) AAS 16 weeks
SPRING Term 8	DESN 279: Design Technology Capstone (1 cr) AAS Elective*			

EARNED

Associate of Applied Science (60 Credit Hours)



CT-Certificate (18 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modality.

2022-23

ELECTRICAL ENGINEERING TECHNOLOGY

The Electrical Engineering Technology Program prepares students for a variety of careers in technology, such as computing, networking, communications, electrical power and machinery, process control and automation, robotics, energy management, and transportation. The program develops knowledgeable, skilled technologists who can work with engineers and technicians to implement electronic designs and perform engineering tasks such as collecting, prototyping, installing, maintaining, and troubleshooting various electronic systems.

CONTINUE YOUR EDUCATION

Transfer Partners:

- Indiana University / Purdue University Indianapolis
- Indiana State University
- Purdue University
- Indiana University / Purdue University Ft. Wayne

Graduates of our Associate of Science (AS) degree can seamlessly transfer to a four-year institution through our "Transfer as a Junior" program, entering at a junior status. To learn more about our Transfer as a Junior programs, and how they can save you money, visit our TSAP page. Please keep in mind, you will also need to be admitted to the four-year institution you intend to transfer to; admission is not guaranteed just by enrolling in a Transfer as a Junior program.

SALARY OUTLOOK

\$73,931

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ELECTRICAL ENGINEERING TECHNOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	IVYT 111/113: Student Success (1 cr) 4 day format recommended 	ENGL 111: English Composition (3 cr) 	EECT 111: Introduction to Circuit Analysis (4 cr) 16 weeks	EECT 112: Digital Fundamentals (3 cr) 16 weeks 
FALL Term 2	MATH 136: College Algebra (3 cr) 			
SPRING Term 3	MATH 137: Trigonometry with Analytic Geometry (3 cr) 	EECT 121: Electronics Circuits Analysis (4 cr) 16 weeks	EECT 122: Digital Applications (4 cr) 16 weeks	
SPRING Term 4	COMM 101: Fundamentals of Public Speaking (3 cr) 			
SUMMER Term 5	ECON 101: Economic Fundamentals (3 cr) AAS Elective*			
FALL Term 6	EECT 128: Introduction to Programming (3 cr)	EECT 211: AC Circuit Analysis (4 cr) 16 weeks	MATH 221: Calculus for Technology I (3 cr) 16 weeks	PHYS 101: Physics I (4 cr) 16 weeks
FALL Term 7	PHIL 102: Introduction to Ethics (3 cr)			
SPRING Term 8	EECT 223: Electrical Machines (3 cr)	EECT 222: Intro to Microcontrollers (4 cr) 16 weeks	MATH 222: Calculus for Technology II (3 cr) 16 weeks	PHYS 102: Physics II OR CHEM 111: Chemistry I (4 cr) 16 weeks
SPRING Term 9	EETC 279: EE Capstone (1 cr)			

EARNED

Associate of Science (60 Credit Hours)



* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

ELECTRONICS & COMPUTER TECHNOLOGY

The Electronics and Computer Technology Program prepares students for a variety of careers in technology, such as computing, networking, communications, process control and automation, robotics, biomedical, energy management, and transportation. The program develops knowledgeable, skilled technicians who implement electronic designs and perform tasks such as collecting, analyzing and interpreting data, and installing, maintaining and troubleshooting various electronic systems. Students can acquire the associate level Certified Electronics Technician (CET) certification.

CAREER OPPORTUNITIES

What can I do with this major?

- PLC Technician
- Industrial Maintenance Technician
- Nanotechnology Support
- Electrical Technician

Our Associate Degree students take the Certified Electronics Technician examination (CETa from eta-i.org) before graduation. The internationally-recognized CETa certification shows employers that you've learned important electronics and electrical skills.

SALARY OUTLOOK

\$72,860

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ELECTRONICS & COMPUTER TECHNOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	IVYT 111/113: Student Success (1 cr) 4 day format recommended	EECT101: Intro to Electronics "Or" INDY 113: Industrial Electrical I (3 cr)	EECT 111: Introduction to Circuit Analysis (4 cr) 16 weeks	EECT 112: Digital Fundamentals (3 cr) 16 weeks
FALL Term 2	MATH 136: College Algebra (3 cr)			
SPRING Term 3	MATH 137: Trigonometry with Analytic Geometry (3 cr)	EECT 121: Electronics Circuits Analysis (4 cr) 16 weeks	EECT 122: Digital Applications (4 cr) 16 weeks	
SPRING Term 4	ENGL 111: English Composition (3 cr)			
SUMMER Term 5	ECON 101: Economics Fundamentals (3 cr)	COMM 101: Fundamentals of Public Speaking (3 cr)		
FALL Term 6	EECT 128: Introduction to Programming (3 cr)	EECT 211: AC Circuit Analysis (4 cr) 16 weeks	PHYS 101: Physics I (4 cr) 16 weeks	
FALL Term 7	PSYC 101: Introduction to Psychology (3 cr) AAS Elective*			

EARNED**Technical Certificate (31 Credit Hours)**

SPRING Term 8	ENGL 211: Technical Writing (3 cr) AAS Elective*	EECT 222: Intro to Microcontrollers (4 cr) AAS Elective* 16 weeks	PHYS 102: Physics II (4 cr) AAS Elective* 16 weeks	
SPRING Term 9	EECT 279: EE Capstone (1 cr)			

EARNED**Associate of Applied Science (60 Credit Hours)**

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.



ENERGY TECHNOLOGY ELECTRIC LINE TECHNOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	NGAS 101: Natural Gas Fundamentals (3 cr) TC Elective*	ENRG 102: Climbing (3 cr) TC	IVYT 113: Student Success in Technology (1 cr) TC	
FALL Term 2	ENRGY 100: Energy Industries Fundamentals (3 cr) TC	INDT 113: Basic Electricity (3 cr) TC		
SPRING Term 3	INDT 103: Motors & Motor Controls (3 cr) TC	ENRG 103: Electrical Essentials for Power Line Workers (3 cr) TC	MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks	
SPRING Term 4	ENRG 107: Transmission and Distribution of Electric Power (3 cr) TC	INDT 125: Industrial Wiring Principles (3 cr) TC		
SUMMER Term 5	COMM 104: Workplace Communications (3 cr) TC	ENRG 109: Rigging for Line Workers (3 cr) TC		

EARNED Technical Certificate (34 Credit Hours)

FALL Term 6	ADMF 101: Key Principles of Advanced Manufacturing (3 cr) AAS Elective*	ENGL 111: English Composition (3 cr) AAS		
FALL Term 7	HVAC 100: Intro to HVAC (3 cr) AAS Elective*	SUST 101: Wind Power (3 cr) AAS Elective*		
SPRING Term 8	SOC 111: Intro to Sociology (3 cr) AAS Elective*	INDT 203: Machine Maintenance and Installation (3cr) AAS	SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 weeks	
SPRING Term 9	SUST 102: Solar, Wind & Geothermal (3 cr) AAS Elective*	HVAC 279: Green Awareness Capstone (1 cr) AAS		

EARNED Associate in Applied Science (60 Credit Hours)



TC-Technical Certificate (34 credits)

AAS-Associate of Applied Science (60 credits)

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2022-23

ENERGY TECHNOLOGY NATURAL GAS

Students in the Energy Technology Program at Ivy Tech are able to participate in a wide variety of hands-on learning activities including building and maintaining wind turbines, performing energy audits, wiring electrical circuits and generation systems, and even designing and installing solar photovoltaic systems. Students will be able to work in the laboratory where they will collect data on electrical generation systems and wire up, design, install and build new systems.

CAREER OPPORTUNITIES

What can I do with this major?

- Electrical Power Line Installers & Repairers
- Wind Turbine & Solar Systems Technicians
- Smart Grid Operators
- Electricians

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our Transfer Page for more information.

SALARY OUTLOOK

\$61,628

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2022-23

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ENERGY TECHNOLOGY NATURAL GAS TECHNOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	INDT 113: Basic Electricity (3 cr) TC	IVYT 113: Student Success in Technology (1 cr) TC 	NGAS 101: Natural Gas Fundamentals (3 cr) TC Elective*	
FALL Term 2	ENRG 100: Energy Industries Fundamentals (3 cr) TC	SUST 101: Wind Power (3 cr) TC		
SPRING Term 3	INDT 103: Motors & Motor Controls (3 cr) TC	INDT 104: Fluid Power Basics (3 cr) TC	MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks	
SPRING Term 4	NGAS 102: Natural Gas Piping Joining (3 cr) TC	NGAS 203: Natural Gas Regulatory & Compliance ISS (3 cr) TC		
SUMMER Term 5	COMM 104: Workplace Communications (3 cr) TC	Option 1 - INDT 280: Co-Op Internship (3 cr) OR	Option 2 - NGAS 204: Natural Gas Construction Techniques (3 cr)	

EARNED Technical Certificate (34 Credit Hours)

FALL Term 6	ADMF 101: Key Principles in Advanced Manufacturing (3 cr) AAS Elective*	ENGL 111: English Composition (3 cr) AAS 		
FALL Term 7	HVAC 100: Intro to HVAC (3 cr) AAS Elective*	SOC 111: Intro to Sociology (3 cr) AAS Elective*		
SPRING Term 8	ENRG 111: Smart Grid Home Integration (3 cr) AAS Elective*	INDT 203: Machine Maintenance & Installation (3 cr) AAS	SCIN 101: Science of Energy Generation (4 cr) AAS Elective*	
SPRING Term 9	SUST 102: Solar, Wind & Geothermal (3 cr) AAS Elective*	HVAC 279: Green Awareness Capstone (1 cr) AAS		

EARNED Associate in Applied Science (60 Credit Hours)



TC-Technical Certificate (34 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modality.

2022-23

ENERGY TECHNOLOGY RENEWABLE ENERGY

Students in the Energy Technology Program at Ivy Tech are able to participate in a wide variety of hands-on learning activities including building and maintaining wind turbines, performing energy audits, wiring electrical circuits and generation systems, and even designing and installing solar photovoltaic systems. Students will be able to work in the laboratory where they will collect data on electrical generation systems and wire up, design, install and build new systems.

CAREER OPPORTUNITIES

What can I do with this major?

- Electrical Power Line Installers & Repairers
- Wind Turbine & Solar Systems Technicians
- Smart Grid Operators
- Electricians

Working Toward Your Bachelor's Degree?

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SALARY OUTLOOK

\$61,628

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ENERGY TECHNOLOGY RENEWABLE ENERGY TECHNOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	INDT 113: Basic Electricity (3 cr) TC	NGAS 101: Natural Gas Fundamentals (3 cr) TC Elective*	IVYT 113: Student Success in Technology (1 cr) TC	MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks
FALL Term 2	ENRG 100: Energy Industries Fundamentals (3 cr) TC	SUST 101: Wind Power (3 cr) TC		
SPRING Term 3	ENRG 111: Smart Grid Home Integration (3 cr) TC	ENRG 202: Photovoltaic System Installation (3 cr) TC		
SPRING Term 4	INDT 125: Industrial Wiring Principles (3 cr) TC	SUST 102: Solar, Wind & Geothermal (3 cr) TC	ENRG 107: Transmission & Distribution of Electrical Power (3 cr) TC	
SUMMER Term 5	COMM 104: Workplace Communications (3 cr) TC			

EARNED Technical Certificate (34 Credit Hours)

FALL Term 6	ADMF 101: Key Principles in Advanced Manufacturing (3 cr) AAS Elective*	BUSN 101: Introduction to Business (3 cr) AAS Elective*		
FALL Term 7	HVAC 100: Intro to HVAC (3 cr) AAS Elective*	SOC 111: Intro to Sociology (3 cr) AAS Elective*		
SPRING Term 8	INDT 103: Motors & Motor Controls (3 cr) AAS Elective*	INDT 203: Machine Maintenance & Installation (3 cr)	SCIN 101: Science of Energy Generation (4 cr) AAS Elective*	
SPRING Term 9	ENGL 111: English Composition (3 cr)	HVAC 279: Green Awareness Capstone (1 cr)		

EARNED Associate in Applied Science (60 Credit Hours)



TC-Technical Certificate (34 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modality.

2022-23

ENGINEERING TECHNOLOGY

Students in the Engineering Technology Program will become skilled technicians who will work with engineers and other technicians to design, implement and support engineering processes. Students will learn about collecting, analyzing, and interpreting data and troubleshooting complex systems in all courses.

Graduates of the Engineering Technology program will have two options. Students will develop the science, technology, engineering and math skills needed to enter the workforce as an engineering technician, or they can transfer to a four-year engineering technology program. Our graduates have continued their education at Purdue University statewide programs, Indiana State University, Indiana Tech and Trine University.

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our Transfer Page for more information.

SALARY OUTLOOK

\$71,701

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ENGINEERING TECHNOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	IVYT 111/113: Student Success (1 cr) 4 day format recommended 	ENGL 111: English Composition (3 cr) 	ENGT 120: Engineering Concepts & Technology (3 cr) 16 weeks	EECT 111: Introduction to Circuit Analysis (4 cr) 16 weeks
FALL Term 2	MATH 136: College Algebra (3 cr) 			
SPRING Term 3	MATH 137: Trigonometry with Analytic Geometry (3 cr) 	METC 107: Mechanical Design & Documentation (3 cr)	EECT 112: Digital Fundamentals (3 cr) 16 weeks 	
SPRING Term 4	Comm 101: Fundamentals of Public Speaking (3 cr) 	METC 143: Materials & Processes (3 cr)		
SUMMER Term 5	ECON 101: Economic Fundamentals (3 cr) AAS Elective*			
FALL Term 6	EECT 128: Introduction to C Programming (3 cr)	MATH 221: Calculus for Technology (3 cr) 16 weeks	PHYS 101: Physics I (4 cr) 16 weeks	
FALL Term 7	PHIL 102: Introduction to Ethics (3 cr)			
SPRING Term 8	METC 220: CAD for Mechanical Design (3 cr)	SOC 111: Intro to Sociology (3 cr) AAS Elective*	PHYS 102: Physics II OR	
SPRING Term 9	ENGT 279: Portfolio Preparation (2 cr)	METC 111: Statics (3 cr)	CHEM 111: Chemistry I (4 cr) 16 weeks	

EARNED**Associate of Science (60 Credit Hours)**

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

ENGINEERING

Curriculum in this program allows students to learn about materials, testing and design. Students will also learn skills such as synthesizing, improving and implementing mechanical designs. Students will gain a necessary understanding in order to support engineering processes such as collecting, analyzing, and interpreting data and troubleshooting mechanical systems.

"I believe that Ivy Tech is where I really found my way to my passions and ambitions. I was surrounded by people who encouraged me every day, reassuring me that I had the ability to reach the goals I spoke about."

- Michael Wilson

Mechanical Engineering Technology

Working Toward Your Bachelor's Degree?

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SALARY OUTLOOK

\$84,649

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ENGINEERING

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	IVYT 113/111: Student Success (1 cr)	ENGR 116: Geometric Modeling for Visualization (2 cr) 16 weeks	MATH 211: Calculus I (4 cr) 16 weeks	ENGR 140: Engineering Software Tools I (3 cr) Transfer Cluster Elective* 16 weeks
FALL Term 2	ENGL 111: English Composition (3 cr)			
SPRING Term 3	PHIL 102: Intro to Ethics (3 cr)	MATH 212: Calculus II (4 cr) 16 weeks	PHYS 220: Mechanics (5 cr) 16 weeks	ENGR 160: Engineering Software Tools II (3 cr) Transfer Cluster Elective* 16 weeks
SPRING Term 4	METC 143: Materials & Processes (3 cr) Transfer Cluster Elective*			
EARNED	Certificate (22 Credit Hours)			
SUMMER Term 5	COMM 101: Fundamentals of Public Speaking (3 cr)			
EARNED	Technical Certificate (31 Credit Hours)			
FALL Term 6	ENGR 251: Electrical Circuit I (4 cr) Transfer Cluster Elective* 16 weeks	MATH 261: Multivariate Calculus (4 cr) 16 weeks	PHYS 221: Heat, Electricity & Optics OR CHEM 106: General Chemistry II (5 cr) 16 weeks	
FALL Term 7				
SPRING Term 8	SOC 111: Introduction to Sociology (3 cr)		MATH 264: Differential Equations (3 cr) 16 weeks	ENGR 252: Electrical Circuit II (4 cr) Transfer Cluster Elective* 16 weeks
SPRING Term 9	ENGR 260: Vector Mechanics - Statics (3 cr) Transfer Cluster Elective*	ENGR 279: Capstone Course (1 cr)		
EARNED	Associate of Science (60 Credit Hours)			

2022-23

HEATING, VENTILATION AND AIR CONDITIONING

Classes in the Heating, Ventilation and Air Conditioning (HVAC) Program at Ivy Tech are lab-based with hands-on practice in almost every class. This lab allows students to gain experience in equipment installation, charging AC units and troubleshooting equipment failures. Our students will also learn about energy-saving equipment like solar thermal, thermal storage, geo-thermal, air and hot water zoning systems and HVAC building automation systems.

CAREER OPPORTUNITIES

What would I do as an HVAC Technician?

- Install, clean and maintain HVACR systems
- Install electrical components and wiring
- Inspect and test HVACR systems and components
- Discuss system malfunctions with customers

SALARY OUTLOOK

\$54,991

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



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Campus Main Line: (219) 464-8514



HEATING, VENTILATION AND AIR CONDITIONING TECHNOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	HVAC 101: Heating Fundamentals (3 cr) CT 	HVAC 103: Refrigeration I (3 cr) CT 	IVYT 113: Student Success (1 cr) TC 	
FALL Term 2	HVAC 100: Intro to HVAC (3 cr) CT 	HVAC 211: Refrigeration II (3 cr) CT		
SPRING Term 3	INDT 113: Basic Electricity (3 cr) CT 	MATH 122: Applied Technical Math (3 cr) TC		
SPRING Term 4	HVAC 202: Electrical Controls & Circuits (3 cr) CT 	HVAC 208: Heating Service (3 cr) CT		
EARNED	HVAC Certificate (21 Credit Hours)			
SUMMER Term 5	HVAC 107: Duct Fabrication & Install (3 cr) TC	COMM 104: Workplace Communications (3 cr) TC		
EARNED	HVAC Technology Technical Certificate (31 Credit Hours)			
FALL Term 6	HVAC 203: Heat Loss & Gain (3 cr) AAS Elective*	ENGL 111: English Composition (3 cr) AAS 	INDT 114: Introductory Welding (3 cr) AAS Elective*	
FALL Term 7	HVAC 201: Cooling Service (3 cr) AAS Elective*	HVAC 207: HVAC Codes (3 cr) AAS Elective*		
SPRING Term 8	HVAC 171: Boilers I (3 cr) AAS Elective*	HVAC 205: Heat Pump Systems (3 cr) AAS Elective*	SCIN 101: Science of Energy Generation (4 cr) AAS Elective*	
SPRING Term 9	HVAC 279: Green Awareness Capstone (1 cr) AAS	PSYC 101: Intro to Psychology (3 cr) AAS Elective* 		
EARNED	HVAC Technology Associate of Applied Science (60 Credit Hours)			

CT-Certificate (21 credits)

TC-Technical Certificate (34 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

INDUSTRIAL TECHNOLOGY ELECTRICAL

The Industrial Technology Electrical Program is designed to prepare students for entry-level and apprentice-level positions in industrial maintenance and electrical. Students receive hands-on training in motor controls, relay systems, electrical circuits, programmable logic controllers, and industrial safety. Learn more here: <https://youtu.be/OdddGNFCNFk>

CAREER OPPORTUNITIES

What can I do with this major?

- Industrial Maintenance Technician
- Electrical Apprentice
- Controls Technician
- Field Service Technician

Job opportunities are widely available.
Work for companies like:

- NLMK
- Cleveland Cliffs
- Nexus RV
- Shoremet
- CosMyFy
- 5 Star Engineering
- Waste Away Group

SALARY OUTLOOK

\$42,975

*Data is Average Annual Salary Specific to Indiana

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INDUSTRIAL TECHNOLOGY ELECTRICAL

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ADMF 101: Key Principles of Advanced Manufacturing (3 cr) CT	INDT 113: Industrial Electrical I (3 cr) CT	IVYT 113: Student Success (1 cr) TC	MATH 122: Applied Technical Mathematics (3 cr) TC
FALL Term 2	ADMF 102: Technology in Advanced Manufacturing (3 cr) CT	ADMF 122: Industrial Electrical II (3 cr) TC		
SPRING Term 3	INDT 103: Motors & Motor Controls (3 cr) CT	INDT 104: Fluid Power I (3 cr) TC Elective*	INDT 205: Programmable Automation Controls I (3 cr) CT	
SPRING Term 4	INDT 204: Electrical Circuits (3 cr) CT	INDT 125: Industrial Wiring Principles (3 cr) CT		
EARNED	Industrial Electrical Certificate (21 Credit Hours)			
SUMMER Term 5	COMM 104: Workplace Communications (3 cr) TC			
EARNED	Industrial Electrical Technology Technical Certificate (34 Credit Hours)			
FALL Term 6	ENGL 111: English Composition (3 cr) AAS	INDT 206: Programmable Automation Controls II (3 cr) AAS Elective*	INDT 211: Industrial Process Control & Inst. (3 cr) AAS Elective* 16 weeks	
FALL Term 7	ADMF 106: Supervision & Teams at Work (3 cr) AAS	INDT 212: Programmable Automation Controls III (3 cr) AAS Elective*		
SPRING Term 8	PSYC 101: Introduction to Psychology (3 cr) AAS Elective*	SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 weeks	INDT 260: Projects in Manufacturing (3 cr) AAS 16 weeks	
SPRING Term 9	INDT 279: Capstone (1 cr) AAS			
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (21 credits)

TC-Technical Certificate (34 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

INDUSTRIAL TECHNOLOGY MECHANICAL

The Industrial Mechanical Program is designed to prepare students for work in both large and small industrial environments, with a wide variety of equipment. Students receive hands-on training on hydraulic systems, industrial automation, relay systems, mechanical drives, machine installation and industrial safety. Learn more here: <https://youtu.be/OdddGNFCNFk>

CAREER OPPORTUNITIES

What can I do with this major?

- Industrial Maintenance Technician
- Machine Installer
- Controls Technician
- Field Service Technician

Job opportunities are widely available.
Work for companies like:

- NLMK
- Cleveland Cliffs
- Nexus RV
- Shoremet
- CosMyFy
- 5 Star Engineering
- Waste Away Group

SALARY OUTLOOK

\$42,975

*Data is Average Annual Salary Specific to Indiana

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INDUSTRIAL TECHNOLOGY MECHANICAL

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ADMF 101: Key Principles of Advanced Manufacturing (3 cr) CT	MTTC 101: Introduction to Machining (3 cr) TC	IVYT 113: Student Success (1 cr) TC 	INDT 114: Introductory Welding (3cr) TC Elective* 16 weeks
FALL Term 2	ADMF 102: Technology in Advanced Manufacturing (3 cr) CT	INDT 113: Industrial Electrical I (3 cr) CT 		
SPRING Term 3	INDT 203: Machine Maintenance (3 cr) CT	INDT 104: Fluid Power I (3 cr) CT	MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks	
SPRING Term 4	ADMF 112: Mechanical Drives I (3 cr) CT	ADMF 222: Fluid Power II (3 cr) CT		
EARNED	Industrial Mechanical Certificate (21 Credit Hours)			
SUMMER Term 5	COMM 104: Workplace Communications (3 cr) TC			
EARNED	Industrial Mechanical Technology Technical Certificate (34 Credit Hours)			
FALL Term 6	ENGL 111: English Composition (3 cr) AAS 	INDT 210: Pumps (3cr) AAS Elective*		
FALL Term 7	ADMF 106: Supervision & Teams at Work (3 cr) AAS	INDT 213: Pipe Fitting Basics (3cr) AAS Elective*		
SPRING Term 8	PSYC 101: Intro to Psychology (3 cr) AAS Elective* 		SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 weeks	INDT 260: Projects in Manufacturing (3 cr) AAS 16 weeks
SPRING Term 9	INDT 279: Capstone (1 cr) AAS	INDT 204: Electrical Circuits (3cr) AAS Elective*		
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (21 credits)

TC-Technical Certificate (34 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

INDUSTRIAL TECHNOLOGY WELDING

Students who earn a Welding Certificate will have developed welding and blueprint-reading skill sets leading to career opportunities in the welding field. The Technical Certificate creates a pipe and fabrication learning opportunity for students. Students participate in hands-on opportunities to learn GTAW (TIG), GMAW (MIG), and SMAW (STICK) welding processes.

CAREER OPPORTUNITIES

What can I do with this major?

- Machine Maintenance Technician
- MIG/TIG Welder
- Service Technician
- Electrician

SALARY OUTLOOK

\$42,975

*Data is Average Annual Salary Specific to Indiana

Job opportunities in our region are widely available. Work for companies like:

- Renolit
- Sullair
- KLM Engineering



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INDUSTRIAL TECHNOLOGY WELDING

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	WELD 100: Welding Processes (3 cr) CT 	WELD 108: Shielded Metal Arc Welding I (3 cr) CT 	IVYT 113: Student Success (1 cr) TC 	
FALL Term 2	Math 122: Applied Technical Mathematics (3 cr) TC 	WELD 206: Shielded Metal Arc Welding II (3 cr) CT 		
SPRING Term 3	WELD 207: Gas Metal Arc (MIG) Welding (3 cr) CT 	WELD 208: Gas Tungsten Arc (TIG) Welding (3 cr) CT 		
SPRING Term 4	WELD 272: Gas Metal Arc Welding II (3 cr) CT 	WELD 273: Gas Tungsten Arc Welding II (3 cr) CT 		
EARNED	Structural Welding Technology Certificate (21 Credit Hours)			
SUMMER Term 5	COMM 104: Workplace Communications (3 cr) TC	INDT 203: Machine Maintenance (3 cr) AAS Elective*		
FALL Term 6	MTTC 101: Introduction to Machining (3 cr) AAS Elective*	WELD 203: Pipe Welding I (3 cr) TC Elective* 	ENGL 111: English Composition (3 cr) AAS 	
FALL Term 7	ADMF 106: Supervision & Teams at Work (3 cr) AAS	WELD 210: Welding Fabrication I (3 cr) TC Elective* 		
EARNED	Welding Technology Technical Certificate (34 Credit Hours)			
SPRING Term 8	INDT 113: Industrial Electrical I (3cr) AAS Elective*	PSYC 101: Intro to Psychology (3 cr) AAS Elective* 	SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 weeks	INDT 260: Projects in Manufacturing (3 cr) AAS 16 weeks
SPRING Term 9	INDT 279: Capstone (1 cr) AAS			
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (21 credits)

TC-Technical Certificate (34 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

MACHINE TOOL TECHNOLOGY

The Machine Tool Technology Program delivers a blend of training in traditional manual machining and leading-edge Computer Numerical Control (CNC) machining. At present, Indiana is one of the top manufacturing states in the nation with a massive need for traditional and CNC machinists. As a result, the State of Indiana has provided substantial tuition assistance for those seeking certificates and technical certificates through the Next Level Jobs program.

CAREER OPPORTUNITIES

What would I do as a machinist?

- Set up and operate manual and CNC machinery to produce mission-critical parts used in all segments of the advanced manufacturing industry
- Use effective print reading and precision measurement skills to ensure all part dimensions are in tolerance
- Use team communication skills to solve real-world problems and bring about continuous improvement

Job opportunities for machinists are widely available. Work for companies like:

- Sullair
- Josam
- Urschel Laboratories
- Task Force Tips
- The Gund Company



SALARY OUTLOOK

\$51,521

*Data is Average Annual Salary Specific to Indiana

EARN MORE & IMPROVE YOUR SKILLS

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MACHINE TOOL TECHNOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	MTTC 101: Introduction to Machining (3 cr) CT	MTTC 102: Turning Processes I (3 cr) CT 16 Weeks	MTTC 106: Print Interpretation (3 cr) CT 16 weeks	MTTC 107: CNC Set Up & Operations (3 cr) CT 16 weeks
FALL Term 2	MTTC 103: Milling Processes I (3 cr) CT	IVYT 113: Student Success in Technology (1 cr) TC 		
SPRING Term 3	MTTC 208: CNC Mill Programming (3 cr) CT	MATH 122: Applied Technical Mathematics (3 cr) TC 16 weeks	MTTC 105: Abrasive Processes (3 cr) CT 16 weeks	MTTC 220: CAD/CAM I (3 cr) TC 16 weeks
SPRING Term 4	MTTC 209: CNC Lathe Programming (3 cr) TC			

EARNED

Certificate (21 Credit Hours)
Technical Certificate (31 Credit Hours)

FALL Term 5	ADMF 101: Key Principles in Advanced Manufacturing (3 cr) AAS Elective*	ENGL 111: English Composition (3 cr) AAS 	DESN 220: 3D Computer Aided Design (3 cr) AAS Elective* 16 weeks	
FALL Term 6	ADMF 102: Technology in Advanced Manufacturing (3 cr) AAS Elective*	PSYC 101: Intro to Psychology (3 cr) AAS Elective* 		
SPRING Term 7	COMM 104: Communication in the Workplace (3 cr) TC	SCIN 101: Science of Energy Generation (4 cr) AAS Elective* 16 Weeks	MTTC 242: CNC Machining (3 cr) AAS 16 Weeks	MTTC 185: Multi-Axis CNC Setup & Operations (3 cr) AAS Elective* 16 weeks
SPRING Term 8	MTTC 279: Machine Tool Capstone (1 cr) AAS			

EARNED

Associate of Applied Science (60 Credit Hours)

CT-Certificate (21 credits)

TC-Technical Certificate (31 credits)

AAS- Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.



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AFTER 12 CREDITS

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Welcome to the School of Business!

Dean Dejan Ristevski

What We're Known For



Studying business at Ivy Tech Community College, whether it be Business (BUSN), Business Operations, Applications & Technology (BOAT), or Logistics (LOGM), develops well-rounded individuals ready to tackle anything in the business world.

Why study business at Ivy Tech Community College? To be connected with the global generation, for one. Globalization has changed the world of business. Whether we're talking finance, marketing, entrepreneurship, economics or something in between, the study of business will open a world of possibilities.

Whether you are pursuing a certificate in your chosen field or completing the courses needed to transfer to a four-year institution, the Business Programs at Ivy Tech provide you with all those opportunities.

Choose from one of our certificates in Insurance or Human Resources or build your business courses to further your knowledge towards your Associate degree and transferable Associate degree.

Interested in taking Microsoft Office courses? Ivy Tech has the perfect opportunity. Sign up and complete your Microsoft Office Specialist Certificate.

One of the hottest demanding fields is Supply Chain Management. Our Supply Chain Management program gives the perfect opportunity to obtain your Supply Chain Management degree or receive your Certificate in the CDL Plus program.

The School of Business at the Valparaiso Campus offers an Accounting program with Associate degrees and several certificates. Whether your interest is in bookkeeping, payroll, taxes, or getting started toward a four-year degree and becoming a CPA or a CMA, Ivy Tech has the program for you. If you are interested in online course offerings, the Accounting program can be completed online as well.

2022-23

ACCOUNTING

The accounting program at Ivy Tech is led by CPAs with nearly 30 years of practical accounting and tax experience. Students will have the opportunity to gain real-world accounting experience by participating with the VITA office, which is a student-led professional office that e-files federal and state tax returns for taxpayers free of charge. Learn more here: <https://youtu.be/6HeTJprdr0>

CAREER OPPORTUNITIES

What can I do with this major?

- Accounts Payable / Accounts Receivable
- Bookkeeping
- Payroll
- Tax Preparer

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.

[Learn more](#)



SALARY OUTLOOK

\$49,324

*Data is Average Annual Salary Specific to Indiana

EARN MORE & IMPROVE YOUR SKILLS

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Career Coach:











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Campus Main Line: (219) 464-8514



Accounting

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	BUSN 101: Introduction to Business (3 cr) TC/AAS 	IVYT 111: Student Success (1 cr) TC/AAS 	ACCT 101: Financial Accounting (3 cr) CT/TC/AAS 16 weeks	
FALL Term 2	ACCT 106: Payroll Accounting (3 cr) CT/TC/AAS	ACCT 205: Income Tax (3 cr) CT/TC/AAS		
SPRING Term 3	BOAT 218: Microsoft Excel (3 cr) CT/TC/AAS		ACCT 102: Managerial Accounting (3 cr) CT/TC/AAS 16 weeks	
SPRING Term 4	ENGL 111: English Composition (3 cr) TC/AAS 	ACCT 122: Accounting Systems Applications (3 cr) CT/TC/AAS		
EARNED	Certificate (21 Credit Hours)			
SUMMER Term 5	SOCI 111: Introductory Sociology (3 cr) TC/AAS	ACCT 118: Financial Concepts for Accounting (3 cr) TC/AAS Elective*		
EARNED	Technical Certificate (31 Credit Hours)			
FALL Term 6	BUSN 201: Business Law (3 cr) AAS 	COMM 101: Fundamentals of Public Speaking (3 cr) AAS 	MATH 123: Quantitative Reasoning (3 cr) AAS	
FALL Term 7	ACCT 201: Intermediate Accounting I (3 cr) AAS	ACCT 203: Cost Accounting I (3 cr) AAS		
SPRING Term 8	BUSN 108: Personal Finance (3 cr) AAS Elective* 	ECON 201: Principles of Macroeconomics (3 cr) AAS	BIOL 101: Introductory Biology (3 cr) AAS	
SPRING Term 9	ACCT 225: Integrated Accounting Systems (3 cr) AAS	BUSI 279: School of Business Evaluation (2 cr) AAS		
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (21 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

BUSINESS OPERATIONS, APPLICATIONS & TECHNOLOGY

The Business Operations, Applications and Technology (BOAT) Program prepares students for a career as an administrative professional in a world of emerging technologies. Our students develop communication, organization, leadership and technology skills that prepare them for a world-class work environment. Our students also develop proficiency in the latest Microsoft Office applications, and they will have the opportunity to earn certifications in Word, Excel, Access, PowerPoint and Outlook that are recognized worldwide.

Work in an office environment in a wide range of disciplines:

- Customer Service
- Healthcare
- Law
- Government
- And More!

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



SALARY OUTLOOK

\$41,233

*Data is Average Annual Salary Specific to Indiana

EARN MORE & IMPROVE YOUR SKILLS

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Campus Main Line: (219) 464-8514



Business Operations, Applications & Technology

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	BOAT 101: Microsoft Outlook (3 cr) CT/TC/AAS 	BOAT 105: Microsoft Word (3 cr) CT/TC/AAS 	IVYT 111: Student Success (1 cr) TC/AAS 	
FALL Term 2	BOAT 109: Microsoft PowerPoint (3 cr) CT/TC/AAS 	BOAT 214: Microsoft Project (3 cr) CT/TC/AAS		
SPRING Term 3	BOAT 218: Microsoft Excel (3 cr) CT/TC/AAS	BOAT 222: Microsoft Access (3 cr) CT/TC/AAS		
SPRING Term 4	ENGL 111: English Composition (3 cr) TC/AAS 	BOAT 121: Office Procedures & Team Dynamics (3 cr) TC/AAS 		
EARNED	Certificate (21 Credit Hours)			
SUMMER Term 5	BOAT 201: Emerging Technologies (3 cr) TC/AAS	BOAT 216: Business Communication (3 cr) TC/AAS		
EARNED	Technical Certificate (31 Credit Hours)			
FALL Term 6	BUSN 101: Introduction to Business (3 cr) AAS 	ACCT 106: Payroll Accounting (3 cr) AAS Elective*	ACCT 101: Financial Accounting (3 cr) AAS 16 Weeks	
FALL Term 7	COMM 101: Fundamentals of Public Speaking (3 cr) AAS 	MATH 123: Quantitative Reasoning (3 cr) AAS 		
SPRING Term 8	BOAT 221: Organizational Leadership (3 cr) AAS	ECON 201: Principles of Macroeconomics (3 cr) AAS	BIOL 101: Introductory Biology (3 cr) AAS 16 Weeks	
SPRING Term 9	SOCI 111: Introductory Sociology (3 cr) AAS	BUSI 279: School of Business Evaluation (2 cr) AAS		
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (21 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.



BUSINESS ADMINISTRATION

The principles taught through the Ivy Tech Business Administration program are threaded in all industries including nonprofit business and education. Students will create marketing plans, budgets, websites, simulations, case-studies and community connections. The Business Administration program at Ivy Tech also partners with many local businesses to give students the experience and exposure in the business world that they will need to be successful.

Graduates of our Associate of Science (AS) degree can seamlessly transfer to a four-year institution through our "Transfer as a Junior" program, entering at a junior status. To learn more about our Transfer as a Junior programs, and how they can save you money, visit our [TSAP page](#). Please keep in mind, you will also need to be admitted to the four-year institution you intend to transfer to; admission is not guaranteed just by enrolling in a Transfer as a Junior program.

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



SALARY OUTLOOK

\$54,276

**Data is Average Annual Salary Specific to Indiana*

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Business Administration

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	BUSN 101: Introduction to Business (3 cr) CT/TC/AAS 	ENGL 111: English Composition (3 cr) CT/TC/AAS 	IVYT 111: Student Success (1 cr) CT/TC/AAS 	
FALL Term 2	BUSN 105: Principles of Management (3 cr) CT/TC/AAS 	BUSN 106: Customer Service (3 cr) CT/TC/AAS Elective*		
SPRING Term 3	CINS 101: Introduction to Microcomputers (3 cr) TC/AAS		ACCT 101: Financial Accounting (3 cr) CT/TC/AAS 16 weeks	
SPRING Term 4	SOCI 111: Introductory Sociology (3 cr) AAS	BUSN 201: Business Law (3 cr) TC/AAS 		
EARNED	Certificate (21 Credit Hours)			
SUMMER Term 5	BUSN 108: Personal Finance (3 cr) TC/AAS Elective* 	BUSN 207: International Business (3 cr) TC/AAS Elective*		
EARNED	Technical Certificate (31 Credit Hours)			
FALL Term 6	COMM 101: Fundamentals of Public Speaking (3 cr) AAS 	BUSN 120: Business Ethics & Social Response (3 cr) AAS Elective* 	ACCT 102: Managerial Accounting (3 cr) AAS 16 Weeks	
FALL Term 7	BUSN 202: Human Resource Management (3 cr) AAS	MATH 123: Quantitative Reasoning (3 cr) AAS 		
SPRING Term 8	MKTG 101: Principles of Marketing (3 cr) AAS 	ECON 201: Principles of Macroeconomics I (3 cr) AAS	BIOL101: Introductory Biology (3 cr) AAS 16 Weeks 	
SPRING Term 9	BUSN 204: Strategic Management (3 cr) AAS	BUSI 279: School of Business Evaluation (2 cr) AAS		
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (21 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

SUPPLY CHAIN MANAGEMENT

Ivy Tech's Supply Chain Management Program prepares students to enter the workforce with the skills demanded in industry. It addresses the movement and storage of raw materials, work-in-process inventory, analysis and finished goods. Students are able to study and familiarize themselves with the high technologies and information systems used to track goods and increase efficiencies.

CAREER OPPORTUNITIES

What can I do with this major?

- Supply Chain Analyst
- Transportation Planner
- Inventory Control
- Buyer

Watch a video about the Supply Chain career field and educational opportunities at Ivy Tech here:
<https://www.youtube.com/watch?v=NoYZUVKXNQO>

SALARY OUTLOOK

\$47,086

*Data is Average Annual Salary Specific to Indiana

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YOU'VE GOT QUESTIONS; WE'VE GOT ANSWERS

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Campus Main Line: (219) 464-8514



Supply Chain Management

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	LOGM 127: Introduction to Logistics (3 cr) CT/TC/AAS	LOGM 201: Logistics Quality & Lean Management (3 cr) CT/TC/AAS	IVYT 111: Student Success (1 cr) TC/AAS 	
FALL Term 2	LOGM 227: Supply Chain Management (3 cr) CT/TC/AAS	LOGM 228: Principles of Procurement (3 cr) CT/TC/AAS		
SPRING Term 3	LOGM 229: Transportation Systems (3 cr) CT/TC/AAS	LOGM 267: Operations Management (3 cr) CT/TC/AAS		
SPRING Term 4	BOAT 207: Integrated Microsoft Applications (3 cr) CT/TC/AAS 	COMM 101: Fundamentals of Public Speaking (3 cr) TC/AAS 		
EARNED	Certificate (21 Credit Hours)			
SUMMER Term 5	ACCT 101: Financial Accounting (3 cr) TC/AAS	BUSN 105: Principles of Management (3 cr) TC/AAS 		
EARNED	Technical Certificate (31 Credit Hours)			
FALL Term 6	ENGL 111: English Composition (3 cr) AAS 	BUSN 101: Introduction to Business (3 cr) AAS Elective* 	BOAT 218: Microsoft Excel (3 cr) AAS Elective*	
FALL Term 7	BUSN 202: Human Resource Management (3 cr) AAS Elective*	MATH 123: Quantitative Reasoning (3 cr) AAS 		
SPRING Term 8	MKTG 101: Principles of Marketing (3 cr) AAS Elective* 	ECON 201: Principles of Macroeconomics (3 cr) AAS	BIOL 101: Introductory Biology (3 cr) AAS 16 Weeks 	
SPRING Term 9	BUSN 207: International Business (3 cr) AAS Elective*	BUSI 279: School of Business Evaluation (2 cr) AAS		
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (21 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.



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Welcome to the School of Public Affairs!

Dean Dejan Ristevski

What We're Known For



The Criminal Justice program gives students the opportunity to work and learn from professionals in the field to prepare students for careers or transfer to a four-year institution. Graduates of our Associate of Science degree can transfer through our "Transfer as a Junior" program. Criminal Justice students can choose to focus on several different area of studies: Law Enforcement, Corrections/Probation, Court Services, Public, Private & Business Security, and Forensics. Our Criminal Justice program at the Valparaiso Campus offers students courses with the industry-leading MILO Range simulation training. The MILO Virtual is a simulation training system provider for government, military, law enforcement, and police agencies, for critical incident training, de-escalation, decision support training, traditional tactical judgmental training, and firearms proficiency training.

If you're interested in studying law, the Legal Studies program is your starting point. Learn from professionals from the field about government structures, legal research & writing, civil procedure & litigation, and legal ethics. The Legal Studies program offers students the ability to transfer to a four-year program in a variety of different disciplines: Paralegal, Legal Studies, Law in Liberal Arts and other Bachelor programs.

Homeland Security students have the opportunity to learn about Homeland Security and Public Safety, learning about terrorist threats, emergency response & recovery, or government agencies. Students have the opportunity to encounter potential employers that include fire departments, EMS agencies, law enforcement agencies, hospitals, industrial safety departments, Transportation Security Administration, and emergency government offices.

The Human Services program at the Valparaiso Campus is known for its practical experience with clients and for getting active in the community. We have courses that teach students theories of counseling, how to complete intakes and assessments, how to facilitate groups, how to build and finance new programs, and how the physical and sociocultural environment affects individual development. Additionally, our program provides two 16-week internships, where students learn how to apply all they have learned. All of this makes Human Services graduates in high demand! Working with these partners, students often find themselves employed immediately following graduation. Human Services is a great program for anyone to follow who wants to be on the front lines helping others.

2022-23

CRIMINAL JUSTICE

The Criminal Justice Program gives students the opportunity to work and learn from professionals and scholars in the fields of Private and Business Security, Law Enforcement, Investigation, Court Services, Corrections, Probation, and Parole at the local, state, and federal levels. You may experience crime labs, court rooms, probation, community corrections, correctional facilities, jails, drug courts, and investigative techniques that include physical evidence, psychological profiles, and cyber forensics, as well as private and business security.

CAREER OPPORTUNITIES

What can I do with this major?

- Law Enforcement
- Corrections/Probation
- Court Services
- Private Security

SALARY OUTLOOK

\$39,590

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



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Campus Main Line: (219) 464-8514



Criminal Justice

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	CRIM 101: Intro to Criminal Justice (3 cr) TC/AAS 	CRIM 103: Cultural Awareness 	IVYT 111: Student Success (1 cr) TC/AAS 	
FALL Term 2	CRIM 105: Intro to Criminology 	ENG 111: English Composition 		
SPRING Term 3	CRIM 110: Intro to Law Enforcement 	COMM 101: Fundamentals of Public Speaking 		
SPRING Term 4	CRIM 120: Intro to Courts (3 cr) TC/AAS	CRIM 130: Intro to Corrections (3 cr) TC/AAS		
SUMMER Term 5	CRIM 113: Criminal Investigation (3 cr) TC/AAS Elective*	CRIM 117: Introduction to Forensics (3 cr) TC/ AAS Elective*		
EARNED	Technical Certificate (30 Credit Hours)			
FALL Term 6	CRIM 150: Juvenile Justice System (3 cr) AAS	CRIM 201: Ethics in Criminal Justice (3 cr) AAS	MATH 123: Quantitative Reasoning (3 cr) AAS 	
FALL Term 7	CRIM 155: Introduction to Cyber Forensics (3 cr) AAS Elective*	CRIM 211: Criminal Law (3 cr) AAS		
SPRING Term 8	SOCI 111: Introductory Sociology (3 cr) TC/AAS	CRIM 171: Drugs & Justice (3 cr) AAS Elective*	BIOL 101: Introductory Biology (3 cr) AAS 	
SPRING Term 9	CRIM 204: Interview and Interrogation (3 cr) AAS Elective*	CRIM 260: Research Methods in Criminal Justice (3 cr) AAS		
EARNED	Associate of Applied Science (60 Credit Hours)			

TC-Technical Certificate (30 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

HOMELAND SECURITY & PUBLIC SAFETY

Choosing the Homeland Security & Public Safety Program allows students the opportunity to explore a career with many facets. This profession serves local communities to both state and federal agencies. Students in this program will study and learn about the various components of Homeland Security and Public Safety, whether it is learning about terrorist threats, emergency response and recovery, or governmental agencies. Students will obtain the knowledge and skills necessary to prepare them for their career of choice.

CAREER OPPORTUNITIES

What can I do with this major? Work for:

- Fire Departments
- Law Enforcement Agencies
- Transportation Security Administration

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our Transfer Page for more information.

SALARY OUTLOOK

\$50,212

*Data is Average Annual Salary Specific to Indiana

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Campus Main Line: (219) 464-8514



Homeland Security & Public Safety

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	HSPS 101: Intro to Homeland Security (3 cr) CT/TC/AAS	ENGL 111: English Composition (3 cr) TC/AAS 	IVYT 111: Student Success (1 cr) TC/AAS 	
FALL Term 2	HSPS 102: Intro to Public Safety (3 cr) CT/TC/AAS 	MATH 123: Quantitative Reasoning (3 cr) AAS 		
SPRING Term 3	HSPS 111: Principles of Emergency Management (3 cr) CT/TC/AAS	HSPS 120: Incident Management System (3 cr) CT/TC/AAS	HSPS 121: Intro to Hazardous Materials (3 cr) TC/AAS	
SPRING Term 4	HSPS 220: Incident Management System II (3 cr) CT/TC/AAS	HSPS 270: Contingency Planning (3 cr) CT/AAS	HSPS 204: Homeland Security & Public Safety (3 cr) TC	
EARNED	Certificate (18 Credit Hours)			
SUMMER Term 5	HSPS 104: Intro to Environmental (3 cr) TC/AAS	HSPS 110: Computer Applications in Homeland Security (3 cr) TC/AAS		
EARNED	Technical Certificate (31 Credit Hours)			
FALL Term 6	CRIM 101: Introduction to Criminal Justice (3 cr) AAS 	COMM 101: Fundamentals of Public Speaking (3 cr) AAS 		
FALL Term 7	BUSN 105: Principles of Management (3 cr) AAS 	BIOL 101: Introductory Biology (3 cr) AAS 		
SPRING Term 8	HSPS 202: Risk Management (3 cr) AAS	SCIN 111: Physical Science (3 cr) AAS		
SPRING Term 9	SOCI 164: Multicultural Studies (3 cr) AAS	HSPS 280: Internship (3 cr) AAS	HSPS 279: Capstone (2 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (18 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

HUMAN SERVICES

The Ivy Tech Human Services program is geared toward helping students develop the skills, attitudes and knowledge needed for the helping professions. Students will spend the majority of their time interacting and doing problem-based activities, getting involved in case studies and experiences that will prepare them to provide feedback as human services professionals. Students will participate in job shadowing and community service opportunities. All degrees include two internships with direct hands-on learning opportunities.

CAREER OPPORTUNITIES

What can I do with this major?

- Case Manager
- Youth Services
- Addiction Services
- Elder Services

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our Transfer Page for more information.

SALARY OUTLOOK

\$28,120

*Data is Average Annual Salary Specific to Indiana

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Campus Main Line: (219) 464-8514



Human Services

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	HUMS 101: Introduction to Human Services (3 cr)	HUMS 102: Helping Relationship Techniques (3 cr)	IVYT 111: Student Success (1 cr) 	
FALL Term 2	HUMS 103: Interviewing & Assessment (3 cr)	ENGL 111: English Composition (3 cr) 		
SPRING Term 3	PHIL 101: Intro to Philosophy (3 cr)	SOCI 111: Introduction to Sociology (3 cr)	MATH 123: Quantitative Reasoning (3 cr) 16 weeks	
SPRING Term 4	HUMS 206: Group Process & Skills (3 cr)	PSYC 101: Introduction to Psychology (3 cr) 		
SUMMER Term 5	COMM 101: Intro to Public Speaking (3 cr) 			
FALL Term 6	HUMS 207: Program Planning & Policy Issues (3 cr)		H@F#1- Internship I (3 cr) 16 weeks	BIOL 101: Introduction to Biology (3 cr) 16 weeks 
FALL Term 7	SOCI 164: Multicultural Studies (3 cr)	PHIL 102: Introduction to Ethics (3 cr)		
SPRING Term 8	HUMS 220: Issues & Ethics in Human Services (3 cr)	PSYC 205: Abnormal Psychology (3 cr)	H@F#2- Internship II (3 cr) 16 weeks	
SPRING Term 9	HUMS 269: Human Development & Ecological Systems (3 cr)	H@F#9- Capstone (2 cr)		
EARNED	Associate of Science, Transfer as a Junior/Social Work (60 Credit Hours)			

AS-Associate of Science - Social Work (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

LEGAL STUDIES

Students in the Legal Studies Program will learn about government structures, sources of law, legal research and writing, civil procedure and litigation, and legal ethics. As a transfer degree, Legal Studies is a starting point for a student interested in law. It is designed to be a transfer program; however, students may be able to transfer into a variety of different disciplines, including paralegal, legal studies, law in liberal arts, and other bachelor's programs.

TRANSFER OPPORTUNITIES

Designed as a transfer program, this major can lead to degrees in:

- Legal Studies/Law
- Organizational Management
- Political Science

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our Transfer Page for more information.

SALARY OUTLOOK

\$44,343

*Data is Average Annual Salary Specific to Indiana

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Campus Main Line: (219) 464-8514



Legal Studies

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	LEGS 101: Intro to Legal Studies (3 cr) CT/TC/AAS	LEGS 170: Legal Ethics (3 cr) CT/TC/AAS	IVYT 111: Student Success (1 cr) TC/AAS 	
FALL Term 2	LEGS 102: Legal Research (3 cr) CT/TC/AAS	LEGS 103: Civil Procedure (3 cr) CT/TC/AAS	ENGL 111: English Composition (3 cr) TC/AAS 	
SPRING Term 3	LEGS 124: Legal Writing I (3 cr) CT/TC/AAS	LEGS 155: Law Office Technology (3 cr) TC/AAS		
SPRING Term 4	LEGS 224: Legal Writing II (3 cr) TC/AAS	LEGS 211: Criminal Law (3 cr) TC/AAS Elective*		
EARNED	Certificate (18-21 Credit Hours)			
SUMMER Term 5	LEGS 202: Litigation (3 cr) CT/TC/AAS	LEGS 209: Family Law (3 cr) TC/AAS Elective*		
EARNED	Technical Certificate (30-31 Credit Hours)			
FALL Term 6	LEGS 107: Contracts & Commercial Law (3 cr) AAS	MATH 123: Quantitative Reasoning (3 cr) AAS 		
FALL Term 7	LEGS 205: Business Associations (3 cr) AAS	LEGS 108: Property Law (3 cr) TC/AAS Elective*		
SPRING Term 8	ENGL 211: Technical Writing (3 cr) AAS	COMM 101: Fundamentals of Public Speaking (3 cr) AAS 	SOCI 111: Introductory Sociology (3 cr) TC/AAS	
SPRING Term 9	BIOL 101: Introductory Biology (3 cr) AAS 	LEGS 278: Paralegal Capstone (2 cr) AAS		
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (18 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.



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Welcome to the School of Health Sciences!

Dean Lori Plank

What We're Known For



The School of Health Sciences offers a wide variety of high-wage, high-demand programs. Employment in healthcare occupations is projected to grow 16 percent from 2020 to 2030, much faster than the average for all occupations, adding about 2.6 million new jobs. Healthcare occupations are projected to add more jobs than any of the other occupational groups (U. S. Bureau of Labor Statistics, 2021).

At the Ivy Tech Valparaiso Campus, we have programs in Surgical Technology, Paramedic Science, Medical Assisting, and other Healthcare Specialties, including EKG Technician, Pharmacy Technician, Phlebotomy Technician, Nursing Assistant, and Central Service Technician.

The Valparaiso Campus has many state-of-the-art labs that are designed to provide students pursuing healthcare careers a safe and realistic environment to learn patient care skills. Our programs integrate interprofessional simulation experiences whenever possible to improve collaboration and facilitate communication among healthcare professionals. Our clinical partnerships with area healthcare providers allow students to apply clinical skills in patient care situations.

If you have a passion for helping others, you are compassionate and understanding, and also a good listener, a career in healthcare may be for you. It's a beautiful thing when a career and a passion come together!



2022-23

HEALTHCARE SPECIALIST (CNA & DEMENTIA CARE)

Students in the Healthcare Specialist program are able to study a wide variety of certification options, including Dementia Care, Phlebotomy, Pharmacy Technician, Certified Nursing Aide, and more. Students receive clinical hands-on practice in actual healthcare settings, with a mix of classroom and lab experience. Pharmacy technician labs use state-of-the-art equipment. Phlebotomy students receive hands-on training with a 100-hour externship in an approved lab setting.

CAREER OPPORTUNITIES

What can I do with this major?

- Dementia Care
- Phlebotomy
- Pharmacy Technician
- CNA

SALARY OUTLOOK

\$35,828

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



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Campus Main Line: (219) 464-8514



HEALTHCARE SPECIALIST



CNA + DEMENTIA CARE

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	HLHS 107: CNA Preparation (5 cr) 	HLHS 131: Introduction to Infection Control (1 cr)	ENGL 111: English Composition (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 
FALL Term 2	HLHS 113: Dementia Care (3 cr) 	HLHS 121: Customer Relations in Healthcare (3 cr)		
SPRING Term 3	HLHS 101: Medical Terminology (3 cr) 	APHY 101: Anatomy & Physiology I (3 cr) 		
SPRING Term 4	HLHS 100: Intro to Health Careers (3 cr)	APHY 102: Anatomy & Physiology II (3 cr) 	HLHS 105: Medical Law & Ethics (3 cr)	

EARNED Technical Certificate in Healthcare Specialist (30 Credit Hours)



FALL Term 5	HLHS 118: Diversity in Healthcare (3 cr)	HLHS 111: Health & Wellness for Life (3 cr)	MATH 123: Quantitative Reasoning (3 cr) 	
FALL Term 6	MEAS 242: Disease Conditions (3 cr)	HLHS 211: Nutrition (3 cr)	HLHS 103: Dosage Calculation (1 cr)	
SPRING Term 7	CINS 101: Introduction to Microcomputers (3 cr)	PSYC 101: Intro to Psychology (3 cr) 		
SPRING Term 8	HLHS 279: Healthcare Support Capstone (1 cr)	COMM 102: Introduction to Interpersonal Communication (3 cr)	HLHS 125: Behavioral Health (3 cr)	

EARNED Associate of Science in Healthcare Specialist (60 Credit Hours)



2022-23

HEALTHCARE SPECIALIST (CNA & DEMENTIA CARE)

Students in the Healthcare Specialist program are able to study a wide variety of certification options, including Dementia Care, Phlebotomy, Pharmacy Technician, Certified Nursing Aide, and more. Students receive clinical hands-on practice in actual healthcare settings, with a mix of classroom and lab experience. Pharmacy technician labs use state-of-the-art equipment. Phlebotomy students receive hands-on training with a 100-hour externship in an approved lab setting.

CAREER OPPORTUNITIES

What can I do with this major?

- Dementia Care
- Phlebotomy
- Pharmacy Technician
- CNA

SALARY OUTLOOK

\$35,828

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



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Campus Main Line: (219) 464-8514



HEALTHCARE SPECIALIST

CNA + DEMENTIA CARE

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	HLHS 107: CNA Preparation (5 cr) 	HLHS 118: Diversity in Healthcare (3 cr)	IVYT 111: Student Success (1 cr) 4 day recommended 	
FALL Term 2	HLHS 113: Dementia Care (3 cr) 	HLHS 121: Customer Relations in Healthcare (3 cr)		
SPRING Term 3	HLHS 101: Medical Terminology (3 cr) 	HLHS 102: Essentials of Anatomy & Physiology (3 cr)* 	ENGL 111: English Composition (3 cr) 	
SPRING Term 4	HLHS 100: Intro to Health Careers (3 cr)	HLHS 105: Medical Law & Ethics (3 cr)		

EARNED
Technical Certificate in Healthcare Specialist (30 Credit Hours)


*APHY 101 + APHY 102 can be substituted for HLHS 102.

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

2022-23

HEALTHCARE SPECIALIST (EKG TECH & DEMENTIA CARE)

Students in the Healthcare Specialist program are able to study a wide variety of certification options, including Dementia Care, Phlebotomy, Pharmacy Technician, Certified Nursing Aide, EKG and more. Students receive clinical hands-on practice in actual healthcare settings, with a mix of classroom and lab experience. Pharmacy technician labs use state-of-the-art equipment. Phlebotomy students receive hands-on training with a 100-hour externship in an approved lab setting.

CAREER OPPORTUNITIES

What can I do with this major?

- Dementia Care
- EKG

SALARY OUTLOOK

\$35,828

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate
offered through this degree program.



EARN MORE & IMPROVE YOUR SKILLS

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HEALTHCARE SPECIALIST

EKG TECH + DEMENTIA CARE

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	APHY 101: Anatomy & Physiology I (3 cr)	HLHS 101: Medical Terminology (3 cr)	ENGL 111: English Composition (3 cr)	IVYT 111: Student Success (1 cr) 4 day recommended
FALL Term 2	APHY 102: Anatomy & Physiology II (3 cr)	HLHS 105: Medical Law & Ethics (3 cr)		
SPRING Term 3	CARD 205: Introduction to Electrocardiography (3 cr)	HLHS 121: Customer Relations in Healthcare (3 cr)		
SPRING Term 4	CARD 206: Advanced Electrocardiography Technique (3 cr)	HLHS 113: Dementia Care (3 cr)	HLHS 131: Infection Control (1 cr)	
SUMMER Term 5	CARD 208: ECG Experiential Seminar (3 cr)			

EARNED **GVX aWT_6XegWVTgX in Healthcare Specialist (30 Credit Hours)**


FALL Term 6	HLHS 111: Health & Wellness for Life (3 cr)	MATH 123: Quantitative Reasoning (3 cr)		
FALL Term 7	HLHS 211: Nutrition (3 cr)	HLHS 118: Diversity in Healthcare (3 cr)	HLHS 100: Introduction to Health Careers (3 cr)	
SPRING Term 8	CINS 101: Introduction to Microcomputers (3 cr)	PSYC 101: Intro to Psychology (3 cr)		
SPRING Term 9	HLHS 279: Healthcare Support Capstone (1 cr)	COMM 102: Introduction to Interpersonal Communication (3 cr)	HLHS 125: Behavioral Health (3 cr)	

EARNED **Associate of Science in Healthcare Specialist (60 Credit Hours)**


2022-23

HEALTHCARE SPECIALIST (EKG TECH)

Students in the Healthcare Specialist program are able to study a wide variety of certification options, including Dementia Care, Phlebotomy, Pharmacy Technician, Certified Nursing Aide, EKG and more. Students receive clinical hands-on practice in actual healthcare settings, with a mix of classroom and lab experience. Pharmacy technician labs use state-of-the-art equipment. Phlebotomy students receive hands-on training with a 100-hour externship in an approved lab setting.

CAREER OPPORTUNITIES

What can I do with this major?

- Dementia Care
- EKG

SALARY OUTLOOK

\$35,828

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



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HEALTHCARE SPECIALIST

EKG TECH

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	HLHS 102: Essentials of Anatomy & Physiology (3 cr)* 	HLHS 101: Medical Terminology (3 cr) 	ENGL 111: English Composition (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 
FALL Term 2	HLHS 100: Introduction to Health Careers (3 cr) 	HLHS 105: Medical Law & Ethics (3 cr)		
SPRING Term 3	CARD 205: Introduction to Electrocardiography (3 cr)	HLHS 121: Customer Relations in Healthcare (3 cr)		
SPRING Term 4	CARD 206: Advanced Electrocardiography Technique (3 cr)	HLHS 113: Dementia Care (3 cr) 		
SUMMER Term 5	CARD 208: ECG Experiential Seminar (3 cr)			

EARNED**GVX aWT_6XegWVTgX in Healthcare Specialist (30 Credit Hours)**

*APHY 101 + APHY 102 can be substituted for HLHS 102.

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

2022-23

HEALTHCARE SPECIALIST (PHARMACY TECH & DEMENTIA CARE)

Students in the Healthcare Specialist program are able to study a wide variety of certification options, including Dementia Care, Phlebotomy, Pharmacy Technician, Certified Nursing Aide, and more. Students receive clinical hands-on practice in actual healthcare settings, with a mix of classroom and lab experience. Pharmacy technician labs use state-of-the-art equipment. Phlebotomy students receive hands-on training with a 100-hour externship in an approved lab setting.

CAREER OPPORTUNITIES

What can I do with this major?

- Dementia Care
- Pharmacy Technician

SALARY OUTLOOK

\$35,828

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Next Level Jobs

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HEALTHCARE SPECIALIST

PHARMACY TECH + DEMENTIA CARE

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	APHY 101: Anatomy & Physiology I (3 cr)	HLHS 101: Medical Terminology (3 cr)	ENGL 111: English Composition (3 cr)	IVYT 111: Student Success (1 cr) 4 day recommended
FALL Term 2	APHY 102: Anatomy & Physiology II (3 cr)	HLHS 105: Medical Law & Ethics (3 cr)		
SPRING Term 3	PHAR 210: Pharmacy Technician Concepts (4 cr)	HLHS 115: Pharmacology for Healthcare Support (3 cr)	HLHS 103: Dosage Calculation (1 cr) recommended	
SPRING Term 4	HLHS 121: Customer Relations in Healthcare (3 cr)	PHARM 211: Pharmacy Technician Experimental Seminar (3 cr)		

EARNED Technical Certificate in Healthcare Specialist (30 Credit Hours)


FALL Term 5	HLHS 111: Health & Wellness for Life (3 cr)	MATH 123: Quantitative Reasoning (3 cr)		
FALL Term 6	HLHS 211: Nutrition (3 cr)	HLHS 118: Diversity in Healthcare (3 cr)	HLHS 100: Introduction to Health Careers (3 cr)	
SPRING Term 7	CINS 101: Introduction to Microcomputers (3 cr)	HLHS 113: Dementia Care (3 cr)	PSYC 101: Introduction to Psychology (3 cr)	
SPRING Term 8	HLHS 279: Healthcare Support Capstone (1 cr)	COMM 102: Introduction to Interpersonal Communication (3 cr)	HLHS 125: Behavioral Health (3 cr)	

EARNED Associate of Science in Healthcare Specialist (60 Credit Hours)


2022-23

HEALTHCARE SPECIALIST (PHARMACY TECH)

Students in the Healthcare Specialist program are able to study a wide variety of certification options, including Dementia Care, Phlebotomy, Pharmacy Technician, Certified Nursing Aide, and more. Students receive clinical hands-on practice in actual healthcare settings, with a mix of classroom and lab experience. Pharmacy technician labs use state-of-the-art equipment. Phlebotomy students receive hands-on training with a 100-hour externship in an approved lab setting.

CAREER OPPORTUNITIES

What can I do with this major?

- Dementia Care
- Pharmacy Technician

SALARY OUTLOOK

\$35,828

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



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HEALTHCARE SPECIALIST

PHARMACY TECH

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	HLHS 102: Essentials of Anatomy & Physiology (3 cr)* 	HLHS 101: Medical Terminology (3 cr) 	ENGL 111: English Composition (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 
FALL Term 2	HLHS 100: Introduction to Health Careers (3 cr) 	HLHS 105: Medical Law & Ethics (3 cr)		
SPRING Term 3	PHAR 210: Pharmacy Technician Concepts (4 cr)	HLHS 115: Pharmacology for Healthcare Support (3 cr)	HLHS 103: Dosage Calculation (1 cr) recommended	
SPRING Term 4	HLHS 121: Customer Relations in Healthcare (3 cr)	PHARM 211: Pharmacy Technician Experimental Seminar (3 cr)		

EARNED**Technical Certificate in Healthcare Specialist (30 Credit Hours)**

*APHY 101 + APHY 102 can be substituted for HLHS 102.

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

2022-23

HEALTHCARE SPECIALIST (PHLEBOTOMY TECH & DEMENTIA CARE)

Students in the Healthcare Specialist program are able to study a wide variety of certification options, including Dementia Care, Phlebotomy, Pharmacy Technician, Certified Nursing Aide, EKG and more. Students receive clinical hands-on practice in actual healthcare settings, with a mix of classroom and lab experience. Pharmacy technician labs use state-of-the-art equipment. Phlebotomy students receive hands-on training with a 100-hour externship in an approved lab setting.

CAREER OPPORTUNITIES

What can I do with this major?

- Dementia Care
- Phlebotomy
- Pharmacy Technician
- CNA
- EKG

SALARY OUTLOOK

\$35,828

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Next Level Jobs

You may be eligible for a free certificate
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HEALTHCARE SPECIALIST

PHLEBOTOMY + DEMENTIA CARE

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	APHY 101: Anatomy & Physiology I (3 cr)	HLHS 101: Medical Terminology (3 cr)	IVYT 111: Student Success (1 cr) 4 day recommended	
FALL Term 2	APHY 102: Anatomy & Physiology II (3 cr)	HLHS 121: Customer Relations in Healthcare (3 cr)	HLHS 105: Medical Law & Ethics (3 cr)	
SPRING Term 3	PHLB 212: Phlebotomy (3 cr)	HLHS 131: Intro to Infection Control (1 cr)	ENGL 111: English Composition (3 cr)	
SPRING Term 4	PHLB 257: Phlebotomy Externship (2 cr)	HLHS 113: Dementia Care (3 cr)	HLHS 100: Introduction to Health Careers (3 cr)	

EARNED Technical Certificate in Healthcare Specialist (30 Credit Hours)



FALL Term 5	HLHS 118: Diversity in Healthcare (3 cr)	HLHS 111: Health & Wellness for Life (3 cr)	MATH 123: Quantitative Reasoning (3 cr)	
FALL Term 6	MEAS 242: Disease Conditions (3 cr)	HLHS 211: Nutrition (3 cr)	HLHS 103: Dosage Calculation (1 cr)	
SPRING Term 7	CINS 101: Introduction to Microcomputers (3 cr)	PSYC 101: Intro to Psychology (3 cr)		
SPRING Term 8	HLHS 279: Healthcare Support Capstone (1 cr)	COMM 102: Introduction to Interpersonal Communication (3 cr)	HLHS 125: Behavioral Health (3 cr)	

EARNED Associate of Science in Healthcare Specialist (60 Credit Hours)



2022-23

HEALTHCARE SPECIALIST (PHLEBOTOMY TECH)

Students in the Healthcare Specialist program are able to study a wide variety of certification options, including Dementia Care, Phlebotomy, Pharmacy Technician, Certified Nursing Aide, EKG and more. Students receive clinical hands-on practice in actual healthcare settings, with a mix of classroom and lab experience. Pharmacy technician labs use state-of-the-art equipment. Phlebotomy students receive hands-on training with a 100-hour externship in an approved lab setting.

CAREER OPPORTUNITIES

What can I do with this major?

- Dementia Care
- Phlebotomy
- Pharmacy Technician
- CNA
- EKG

SALARY OUTLOOK

\$35,828

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



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HEALTHCARE SPECIALIST

PHLEBOTOMY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	HLHS 102: Essentials of Anatomy & Physiology (3 cr)* 	HLHS 101: Medical Terminology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	
FALL Term 2	HLHS 100: Introduction to Health Careers (3 cr) 	HLHS 121: Customer Relations in Healthcare (3 cr)	HLHS 105: Medical Law & Ethics (3 cr)	
SPRING Term 3	PHLB 212: Phlebotomy (3 cr)	PSYC 101: Intro to Psychology (3 cr) 	ENGL 111: English Composition (3 cr) 	
SPRING Term 4	PHLB 257: Phlebotomy Externship (2 cr)	HLHS 113: Dementia Care (3 cr) 		

EARNED**Technical Certificate in Healthcare Specialist (30 Credit Hours)**

*APHY 101 + APHY 102 can be substituted for HLHS 102.

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

2022-23

MEDICAL ASSISTING

The Medical Assisting Program at Ivy Tech offers exciting, hands-on learning where student simulations are as “real-life” as possible. Students in the program get to learn from faculty who are credentialed and have real experience in the field. In addition, students have the opportunity to participate in an externship in the community. Classes will focus on patient care, venipuncture, electrocardiogram, vital signs, injections, medical coding, electronic charting and medical records.

CAREER OPPORTUNITIES

What can I do with this major?

Medical Assistants work in doctor’s offices, clinics, and hospitals focusing on patient care, venipuncture, electrocardiogram, vital signs, injections, medical coding, electronic charting and medical records. Sign-on bonuses up to \$4,000!

SALARY OUTLOOK

\$37,755

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through [this degree program](#).



EARN MORE & IMPROVE YOUR SKILLS

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MEDICAL ASSISTING

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	APHY 101: Anatomy & Physiology I (3 cr) 	HLHS 101: Medical Terminology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	
FALL Term 2	APHY 102: Anatomy & Physiology II (3 cr) 	ENGL 111: English Composition (3 cr)* 		
SPRING Term 3	MEAS 109: The Professional Medical Assistant (3 cr)	MEAS 110: Introduction to Clinical Practice (3 cr)		
SPRING Term 4	MEAS 137: Outpatient Insurance & Basic Coding (3 cr)	MEAS 238: Clinical I (3 cr)	MEAS 209: Electronic Administrative Practices (3 cr)	
FALL Term 5	MEAS 239: Clinical II (3 cr)	MEAS 218: Pharmacology (3 cr)	MEAS 219: Medical Assisting Laboratory Techniques (3 cr)	
FALL Term 6	MEAS 242: Disease Conditions (3 cr)*	MEAS 260: Medical Assisting Administrative / Clinical Externship (5 cr)		

EARNED Technical Certificate in Medical Assisting (39 Credit Hours)



SPRING Term 7	MATH 123: Quantitative Reasoning (3 cr) 	COMM 102: Introduction to Interpersonal Communication (3 cr)		
SPRING Term 8	PSYC 101: Introduction to Psychology (3 cr) 	MEAS 215: Advanced Medical Terminology (3 cr)	HLHS 105: Medical Law & Ethics (3 cr)	

EARNED Associate of Applied Science in Medical Assisting (60 Credit Hours)



* Classes required only for AAS track.

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

2022-23

MEDICAL ASSISTING (OUTPATIENT INSURANCE CODING)

The Medical Assisting Program at Ivy Tech offers exciting, hands-on learning where student simulations are as “real-life” as possible. Students in the program get to learn from faculty who are credentialed and have real experience in the field. In addition, students have the opportunity to participate in an externship in the community. Classes will focus on patient care, venipuncture, electrocardiogram, vital signs, injections, medical coding, electronic charting and medical records.

CAREER OPPORTUNITIES

What can I do with this major?

Medical Assistants work in doctor’s offices, clinics, and hospitals focusing on patient care, venipuncture, electrocardiogram, vital signs, injections, medical coding, electronic charting and medical records.

SALARY OUTLOOK

\$37,755

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through [this degree program](#).



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MEDICAL ASSISTING OUTPATIENT INSURANCE CODING

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	APHY 101: Anatomy & Physiology I (3 cr) 	HLHS 101: Medical Terminology (3 cr) 		
FALL Term 2	APHY 102: Anatomy & Physiology II (3 cr) 	MEAS 137: Outpatient Insurance & Basic Coding (3 cr)		
SPRING Term 3	MEAS 203: Advanced Insurance Coding (3 cr)	MEAS 204: Advanced Insurance Claims Processing (3 cr)		
EARNED	Medical Assisting Outpatient Insurance Coding Certificate (18 Credit Hours) 			

2022-23

PARAMEDIC SCIENCE

The Paramedic Science Program at Ivy Tech is taught by some of the area's finest paramedics. Students will benefit from 288 hours of clinical experience and 472 hours of an internship using hands-on experiences in actual patient care settings. The curriculum is a careful mix of lecture, demonstration, in-class skill practice sessions and clinical rotations. Through all of these experiences, students obtain the knowledge and skills to allow them to function in the ever-changing world of Emergency Medical Services.

CAREER OPPORTUNITIES

What can I do with this major?

Paramedic Science graduates work as ambulance paramedics, firefighter paramedics, tactical paramedics, emergency room paramedics, and even wilderness paramedics.

SALARY OUTLOOK

\$34,278

*Data is Average Annual Salary Specific to Indiana

Next Level Jobs

You may be eligible for a free certificate offered through [this degree program](#).



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Campus Main Line: (219) 464-8514







PARAMEDIC SCIENCE

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	APHY 101: Anatomy & Physiology I (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 		
FALL Term 2	PARM 111: Preparatory (3 cr)	PARM 112: Pre-hospital Pharmacology (3 cr)	APHY 102: Anatomy & Physiology II (3 cr) 	
SPRING Term 3	PARM 115: Airway Patient Assessment (3.5 cr)	PARM 116: Clinical Application I (1.5 cr) 16 weeks	PARM 210: Medical I (6 cr) 16 weeks	
SPRING Term 4	PARM 220: Operations (2.5 cr)			
SUMMER Term 5	PARM 200: Trauma (3 cr)	PARM 213: Medical II (5 cr)	PARM 216: Clinical Applications II (1.5 cr)	
FALL Term 6	PARM 215: Special Considerations (3.5 cr)	PARM 219: Clinical Applications III (1.5 cr)		
FALL Term 7	PARM 221: Ambulance Internship (6 cr)			

EARNED**Technical Certificate****(54.5 Credit Hours)**

SPRING Term 8	MATH 123: Quantitative Reasoning (3 cr) 	ENGL 111: English Composition (3 cr) 		
SPRING Term 9	COMM 102: Introduction to Interpersonal Communication (3 cr) 	PSYC 101: Introduction to Psychology (3 cr) 		

EARNED**Associate of Applied Science****(66.5 Credit Hours)**

2022-23

SURGICAL TECHNOLOGY

The Surgical Technology Program is very demanding and requires a high quality of training. This is a very rewarding career in the Health Science Field. It is a technical job working in the operating room, including assisting the surgeon. Our program requires more than 900 hands-on hours of training where you will spend your time in a real operating room.

CAREER OPPORTUNITIES

What can I do with this major?

Surgical Technology graduates will be prepared to enter the workforce in the surgery field, labor and delivery, or in Central Sterile Supply.

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Applied Science (AAS) degree can transfer to a four-year institution. Visit our Transfer Page for more information.

SALARY OUTLOOK

\$48,859

*Data is Average Annual Salary Specific to Indiana

EARN MORE & IMPROVE YOUR SKILLS

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Campus Main Line: (219) 464-8514



SURGICAL TECHNOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	APHY 101: Anatomy & Physiology I (3 cr) 	HLHS 101: Medical Terminology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	
FALL Term 2	APHY 102: Anatomy & Physiology II (3 cr) 	ENGL 111: English Composition (3 cr) 	MATH 123: Quantitative Reasoning (3 cr) 	
SPRING Term 3	PSYC 101: Introduction to Psychology (3 cr) 	COMM 102: Introduction to Interpersonal Communication (3 cr)	BIOL 201: Microbiology (4 cr) 16 weeks	
SPRING Term 4	SURG 203: Surgical Pharmacology (3 cr)	HLHS 105: Medical Law & Ethics (3 cr)		
FALL Term 5	SURG 111: Fundamentals of Surgical Technology (4 cr)	SURG 112: Application of Surgical Fundamentals (2 cr)		
FALL Term 6	SURG 113: Surgical Procedures I (3 cr)	SURG 114: Clinical Applications I (3 cr)		
SPRING Term 7	SURG 211: Surgical Procedures II (6 cr) 16 weeks	SURG 212: Clinical Applications II (9 cr) 16 weeks		
SPRING Term 8				
SUMMER Term 9	SURG 213: Surgical Procedures III (3 cr)	SURG 214: Clinical Applications III (7 cr)		

EARNED**Associate of Applied Science****(60 Credit Hours)**



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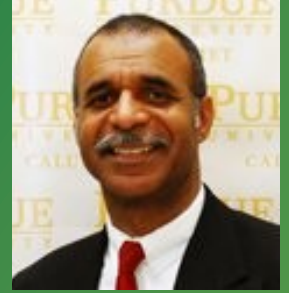




Welcome to the School of Information Technology!

Department Chair Ben Marrero

What We're Known For



Information Technology (IT) is about using computer programs to send, retrieve, process and store information for businesses. Earning a certificate or degree in Information Technology is one of the most versatile, market-ready choices for any student ready to enter college. It provides a broad foundation and necessary skills required to work with systems that make modern life possible.

The IT programs offered at the Valparaiso Campus give students the opportunity to begin a career right after graduation. It can also provide the student with a great foundation for more advanced degrees. The courses offered also provide opportunities to earn industry-recognized certifications from data management, networking, cyber security, cloud computing, coding and programming. The School of Information Technology in the Valparaiso/Michigan City/La Porte area is a great starting point for entering into the exciting and ever-growing field of Information Technology.

The School of IT at the Valparaiso Campus is home to a Cyber Security program recognized by the Indiana Department of Education by receiving the Award of Excellence in 2019 and receiving the designation as Center of Academic Excellence (CAE-2Y) by the National Security Agency (NSA). It is also home to our high-tech Cyber Security Operations Center (bottom left), providing skills needed in the fields of Cyber Security Operations Specialist, Incident Analyst, and CyberCrime.

The Network Infrastructure Program provides students with the skills required to work as Networking Engineers, Systems Engineers or Systems Analysts. This is accomplished via access to state-of-the-art lab facilities which are equipped with routers, switches, firewalls, wireless LAN controllers and Access Points (APs). Training is also provided for software programming/coding and Website Design. Software languages taught include: JAVA, Python, C++, C#, and HTML (web design).



2022-23

CLOUD TECHNOLOGY (LINUX ADMINISTRATION)

Cloud refers to the software and services that run on the Internet, instead of locally on your computer. Today, most data is stored in "the Cloud." Our graduates are skilled in developing and maintaining multi-user computer systems for business, from small organizations to large enterprises. Students will learn how to unpack complex problems and systems and learn how modern organizations are dealing with ever-changing infrastructure. Students will learn about Cloud platforms Amazon Web Services (AWS) and Microsoft Azure.

CAREER OPPORTUNITIES

What can I do with this major?

- Server Support Technician
- Network Server Support Analyst
- Cloud Engineer
- Cloud Support Technician

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our [Transfer Page](#) for more information.

SALARY OUTLOOK

\$66,597

*Data is Average Annual Salary Specific to Indiana

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YOU'VE GOT QUESTIONS; WE'VE GOT ANSWERS

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Academic Advisor:

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Career Coach:




Andrew Miles: amiles94@ivytech.edu; (219) 476-4772

Campus Main Line: (219) 464-8514



CLOUD TECHNOLOGY LINUX ADMINISTRATION

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	INFM 109: Informatics Fundamentals (3 cr) CT	ITSP 132: IT Essentials I (2 cr) CT	IVYT 115: Student Success (1 cr) TC	NETI 109: Networking I (3 cr) CT 16 weeks
FALL Term 2	SVAD 111: Linux & Virtualization Technologies (3 cr) CT	ITSP 134: IT Essentials II (2 cr) CT		
SPRING Term 3	SVAD 116: Linux Administration I (3 cr) CT	SDEV 150: Cloud Technologies Fundamentals (3 cr) CT		ITSP 136: Workforce Prep: CompTIA a+ Certification (1 cr) TC 16 weeks
SPRING Term 4	SVAD 117: Workforce Prep: RHCSA Certification (1 cr) CT	SVAD 216: Linux Administration II (3 cr) CT	SDEV 120: Computer Logic (3 cr) TC	
SUMMER Term 5	SVAD 121: Enterprise Computing (3 cr) TC	SVAD 217: Workforce Prep: RHCSA Certification (1 cr) CT		
EARNED	Certificate (25 Credit Hours)			
FALL Term 6	ENG 111: English Composition (3 cr) TC	MATH 123: Quantitative Reasoning (3 cr) TC		
EARNED	Technical Certificate (30 Credit Hours)			
FALL Term 7	COMM 101: Fundamentals of Public Speaking (3 cr) AAS	CSIA 105: Introduction to Cyber Security (3 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	
SPRING Term 8	PHIL 102: Intro to Ethics (3 cr) AAS	SVAD 250: Linux Administration III (3 cr) AAS		
SPRING Term 9	SVAD 230: Hybrid Systems (3 cr) AAS	CPIN 269: Project Management (3 cr) AAS	CPIN 279: CPIN Exploration & Evaluation (1 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (25 credits)

TC-Technical Certificate (30 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

CLOUD TECHNOLOGY (MICROSOFT ADMINISTRATION)

Cloud refers to the software and services that run on the Internet, instead of locally on your computer. Today, most data is stored in "the Cloud." Our graduates are skilled in developing and maintaining multi-user computer systems for business, from small organizations to large enterprises. Students will learn how to unpack complex problems and systems and learn how modern organizations are dealing with ever-changing infrastructure. Students will learn about Cloud platforms Amazon Web Services (AWS) and Microsoft Azure.

CAREER OPPORTUNITIES

What can I do with this major?

- Server Support Technician
- Network Server Support Analyst
- Cloud Engineer
- Cloud Support Technician

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our [Transfer Page](#) for more information.

SALARY OUTLOOK

\$66,597

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Campus Main Line: (219) 464-8514



CLOUD TECHNOLOGY MICROSOFT ADMINISTRATION

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	INFM 109: Informatics Fundamentals (3 cr) CT	ITSP 132: IT Essentials I (2 cr) CT	IVYT 115: Student Success (1 cr) TC	NETI 109: Networking I (3 cr) CT 16 weeks
FALL Term 2	SVAD 111: Linux & Virtualization Technologies (3 cr) TC	ITSP 134: IT Essentials II (2 cr) CT		
SPRING Term 3	SVAD 121: Enterprise Computing (3 cr) CT	SVAD 231: Microsoft Server Administration I (3 cr) CT		ITSP 136: Workforce Prep: CompTIA a+ Certification (1 cr) TC 16 weeks
SPRING Term 4	SDEV 120: Computer Logic (3 cr) TC	SVAD 236: Microsoft Server Administration II (3 cr) CT		
SUMMER Term 5	SVAD 150: Cloud Technologies Fundamentals (3 cr) CT	SVAD 241: Microsoft Server Administration III (3 cr) CT		
EARNED	Certificate (25 Credit Hours)			
FALL Term 6	ENG 111: English Composition (3 cr) TC	MATH 123: Quantitative Reasoning (3 cr) TC		
EARNED	Technical Certificate (30 Credit Hours)			
FALL Term 7	COMM 101: Fundamentals of Public Speaking (3 cr) AAS	CSIA 105: Introduction to Cyber Security (3 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	
SPRING Term 8	PHIL 102: Intro to Ethics (3 cr) AAS	ITSP 235: Internet of Things Fundamentals (3 cr) AAS		
SPRING Term 9	SVAD 230: Hybrid Systems (3 cr) AAS	CPIN 269: Project Management (3 cr) AAS	CPIN 279: CPIN Exploration & Evaluation (1 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (25 credits)

TC-Technical Certificate (30 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

CLOUD TECHNOLOGY (SYSTEM ADMINISTRATION)

Cloud refers to the software and services that run on the Internet, instead of locally on your computer. Today, most data is stored in "the Cloud." Our graduates are skilled in developing and maintaining multi-user computer systems for business, from small organizations to large enterprises. Students will learn how to unpack complex problems and systems and learn how modern organizations are dealing with ever-changing infrastructure. Students will learn about Cloud platforms Amazon Web Services (AWS) and Microsoft Azure.

CAREER OPPORTUNITIES

What can I do with this major?

- Server Support Technician
- Network Server Support Analyst
- Cloud Engineer
- Cloud Support Technician

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our [Transfer Page](#) for more information.

SALARY OUTLOOK

\$66,597

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CLOUD TECHNOLOGY SYSTEM ADMINISTRATION

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	INFM 109: Informatics Fundamentals (3 cr) TC 	ITSP 132: IT Essentials I (2 cr) TC 	NETI 104: Introduction to Networking (3 cr) CT	IVYT 115: Student Success (1 cr) TC 
FALL Term 2	SVAD 150: Cloud Technologies Fundamentals (3 cr) CT	ITSP 134: IT Essentials II (2 cr) TC 	SDEV 120: Computer Logic (3 cr) TC 	
SPRING Term 3	SVAD 170: Monitoring & Issue Resolution (3 cr) CT	SVAD 220: AWS Solutions Architect Associate (3 cr) CT		ITSP 136: Workforce Prep: CompTIA a+ Certification (1 cr) TC 16 weeks
SPRING Term 4	SVAD 260: Systems Automation & Orchestration (3 cr) CT	SVAD 221: Workforce Prep: CompTIA Security + Certification (1 cr) CT	SVAD 230: Hybrid Systems (3 cr) CT	
EARNED	Certificate (19 Credit Hours)			
SUMMER Term 5	SVAD 121: Enterprise Computing (3 cr) TC	SVAD 111: Linux & Virtualization Technologies (3 cr) TC		
FALL Term 6	MATH 123: Quantitative Reasoning (3 cr) TC 	ENG 111: English Composition (3 cr) TC 		
EARNED	Technical Certificate (30 Credit Hours)			
FALL Term 7	SCIN 111: Physical Science (3 cr) AAS	CSIA 105: Introduction to Cyber Security (3 cr) AAS 		
SPRING Term 8	SVAD 231: Microsoft Server Administration I (3 cr) AAS	PHIL 102: Introduction to Ethics (3 cr) AAS		
SPRING Term 9	CPIN 269: Project Management (3 cr) AAS	CPIN 279: CPIN Exploration & Evaluation (1 cr) AAS	COMM 101: Fundamentals of Public Speaking (3 cr) AAS 	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (19 credits)

TC-Technical Certificate (30 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

COMPUTER SCIENCE

Computer Science is an exciting field that explores the limits of what computers can accomplish. It also spans many restraints and sectors of our economy, including science and research, industry, business and military. Coursework can include implementing and understanding properties of algorithms as well as discussing the social content of computing. This includes the history and evolution of machines, social impact of computers, and the code of ethics.

CAREER OPPORTUNITIES

What can I do with this major?

- Software Development
- Informatics
- Database Management /Administration
- Server Administration

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our [Transfer Page](#) for more information.

SALARY OUTLOOK

\$80,945

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COMPUTER SCIENCE

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	IVYT 115: Student Success (1 cr) AS 	CSCI 101: Computer Science I (3 cr) CT 	MATH 211: Calculus I (4 cr) CT 16 weeks	
FALL Term 2	CSCI 201: Computer Science II (3 cr) CT	ENG 111: English Composition (3 cr) CT 		
SPRING Term 3	SDEV 120: Computing Logic (3 cr) CT 	PHYS 220: Mechanics (5 cr) AS 16 weeks*	MATH 212: Calculus II (4 cr) AS 16 weeks*	

EARNED**Certificate (19 Credit Hours)**

SPRING Term 4	INFM 109: Informatics Fundamentals (3 cr) CT	PHYS 220: Mechanics (5 cr) AS 16 weeks*	MATH 212: Calculus II (4 cr) AS 16 weeks*	
SUMMER Term 5	CSCI 105: Discrete Logic for Computers (3 cr) AS			
FALL Term 6	CSCI 210: Database Systems (3 cr) AS		PHYS 221: Teat, Electricity & Optics (5 cr) AS 16 weeks	
FALL Term 7	PHIL 102: Introduction to Ethics (3 cr) AS	CSCI 202: Data Structures (3 cr) AS		
SPRING Term 8	ECON 101: Economics Fundamentals (3 cr) AS	SDEV 220: Software Development Using Python (3 cr) AS	COMM 101: Fundamentals of Public Speaking (3 cr) AS 	
SPRING Term 9	SDEV 272: Database Systems (1 cr) AS	CSCI 279: Computing & Information Exploration & Evaluation (1 cr) AS	SDEV 265: System/Software Analysis & Projects (3 cr) AS	

EARNED**Associate of Science (60 Credit Hours)**

CT-Certificate (19 credits)

AS-Associate of Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

CYBER SECURITY & INFORMATION ASSURANCE CYBERCRIME

This program will build the foundation to identify and fix computer security attacks. The material covered in the program is designed for students with advanced computer knowledge or currently working in the computer industry. Cyber Security is a degree that can be applied to many facets of the student's life, from personal to work experiences. There is a growing need for stronger cyber security with increasing media attention. Learn more here: <https://youtu.be/kt173DSDX5Q>

CAREER OPPORTUNITIES

What can I do with this major?

- Network Security Support Technician
- Security Auditor
- Digital Forensics Auditor

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



In 2013, the National Security Agency (NSA) and the Department of Homeland Security (DHS) designated Ivy Tech Community College as a Center of Academic Excellence in Cyber Defense Education (CAE-2Y).

SALARY OUTLOOK

\$76,069

*Data is Average Annual Salary Specific to Indiana

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Academic Advisor:

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Career Coach:




Andrew Miles: amiles94@ivytech.edu; (219) 476-4772

Campus Main Line: (219) 464-8514



CYBER SECURITY & INFORMATION ASSURANCE CYBERCRIME

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	CRIM 101: Introduction to Criminal Justice (3 cr) CT	ITSP 132: IT Essentials I (2 cr) CT	IVYT 115: Student Success (1 cr) TC	
FALL Term 2	NETI 104: Introduction to Networking (3 cr) TC	ITSP 134: IT Essentials II (2 cr) CT	CSIA 105: Introduction to Cyber Security (3 cr) CT	
SPRING Term 3	CRIM 105: Introduction to Criminology (3 cr) CT	CRIM 201: Ethics in Criminal Justice (3 cr) CT	CSIA 210: Network Protocols Analysis (3 cr) TC	ITSP 136: Workforce Prep: CompTIA A+ Certification (3 cr) AAS 16 weeks
SPRING Term 4	CSIA 106: Workforce Prep: CompTIA Security + Certification (1 cr) CT	CSIA 115: Cyber Ops (3 cr) CT	Math 136: College Algebra (3 cr) TC 16 weeks*	
EARNED	Certificate (19 - 23 Credit Hours)			
SUMMER Term 5	INFM 109: Informatics Fundamentals (3 cr) TC	SDEV 120: Computing Logic (3 cr) TC	Math 136: College Algebra (3 cr) TC 16 weeks*	
FALL Term 6	ENG 111: English Composition (3 cr) TC	SVAD 111: Linux & Virtualization Technologies (3 cr) TC	PHIL 102: Introduction to Ethics (3 cr) AAS	
EARNED	Technical Certificate (33 Credit Hours)			
FALL Term 7	SVAD 121: Enterprise Computing (3 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	NETI 114: Workforce Prep: CompTIA Network + Certification (1 cr) AAS	
SPRING Term 8	COMM 101: Fundamentals of Public Speaking (3 cr) AAS	CSIA 225: Ethical Hacking (3 cr) AAS	CSIA 235: Digital Forensics (3 cr) AAS	
SPRING Term 9	CPIN 269: Project Management (3 cr) AAS	CSIA 279: CPIN Exploration & Evaluation (1 cr) AAS	CSIA 260: Business Continuity in an Information World (3 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (19-23 credits) TC-Technical Certificate (33 credits) AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

CYBER SECURITY & INFORMATION ASSURANCE (INCIDENT ANALYSIS)

This program will build the foundation to identify and fix computer security attacks. The material covered in the program is designed for students with advanced computer knowledge or currently working in the computer industry. Cyber Security is a degree that can be applied to many facets of the student's life, from personal to work experiences. There is a growing need for stronger cyber security with increasing media attention. Learn more here: <https://youtu.be/kt173DSDX5Q>

CAREER OPPORTUNITIES

What can I do with this major?

- Network Security Support Technician
- Security Auditor
- Digital Forensics Auditor

Next Level Jobs

You may be eligible for a free certificate offered through [this degree program](#).



In 2013, the National Security Agency (NSA) and the Department of Homeland Security (DHS) designated Ivy Tech Community College as a Center of Academic Excellence in Cyber Defense Education (CAE-2Y).

SALARY OUTLOOK

\$76,069

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CYBER SECURITY & INFORMATION ASSURANCE INCIDENT ANALYST Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	INFM 109: Informatics Fundamentals (3 cr) CT 	ITSP 132: IT Essentials I (3 cr) CT 	NETI 104: Introduction to Networking (3 cr) CT	IVYT 115: Student Success (1 cr) TC 
FALL Term 2	SVAD 111: Linux & Virtualization Technologies (3 cr) CT	ITSP 134: IT Essentials II (2 cr) CT 	NETI 114: Workforce Prep: CompTIA A+ Certification (1 cr) AAS	
SPRING Term 3	CSIA 105: Introduction to Cyber Security (3 cr) CT 	CSIA 210: Network Protocols Analysis (3 cr) CT		ITSP 136: Workforce Prep: Comp TIA A+ Certification (1 cr) AAS 16 weeks
SPRING Term 4	CSIA 106: Workforce Prep: CompTIA Security + Certification (1 cr) CT	CSIA 235: Digital Forensics (3 cr) CT	CSIA 260: Business Continuity in an Information World (3 cr) CT	
EARNED	Certificate (26 Credit Hours)			
SUMMER Term 5	Math 136: College Algebra (3 cr) TC 	SDEV 120: Computing Logic (3 cr) TC 		
FALL Term 6	ENG 111: English Composition (3 cr) TC 	CSIA 115: Cyber Ops (3 cr) TC		
EARNED	Technical Certificate (33 Credit Hours)			
FALL Term 7	SVAD 121: Enterprise Computing (3 cr) AAS	COMM 101: Fundamentals of Public Speaking (3 cr) AAS 		
SPRING Term 8	PHIL 102: Intro to Ethics (3 cr) AAS	CSIA 225: Ethical Hacking (3 cr) AAS		
SPRING Term 9	CPIN 269: Project Management (3 cr) AAS	CPIN 279: CPIN Exploration & Evaluation (1 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (26 credits)

TC-Technical Certificate (33 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

CYBER SECURITY & INFORMATION ASSURANCE SECURITY OPERATIONS SPECIALIST

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CAREER OPPORTUNITIES

What can I do with this major?

- Network Security Support Technician
- Security Auditor
- Digital Forensics Auditor

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



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SALARY OUTLOOK

\$76,069

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CYBER SECURITY & INFORMATION ASSURANCE SECURITY OPERATIONS CENTER SPECIALIST Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	INFM 109: Informatics Fundamentals (3 cr) CT 	ITSP 132: IT Essentials I (2 cr) TC 	NETI 104: Introduction to Networking (3 cr) CT	IVYT 115: Student Success (1 cr) TC 
FALL Term 2	SVAD 111: Linux & Virtualization Technologies (3 cr) CT	ITSP 134: IT Essentials II (2 cr) TC 	NETI 114: Workforce Prep: CompTIA Network+ Certification (1 cr) AAS	
SPRING Term 3	CSIA 105: Introduction to Cyber Security (3 cr) CT 	CSIA 210: Network Protocols Analysis (3 cr) CT		
SPRING Term 4	CSIA 106: Workforce Prep: CompTIA Security + Certification (1 cr) CT	CSIA 225: Ethical Hacking (3 cr) CT	CSIA 115: Cyber Ops (3 cr) CT	
EARNED	Certificate (22 Credit Hours)			
SUMMER Term 5	Math 136: College Algebra (3 cr) TC 	SDEV 120: Computing Logic (3 cr) TC 		
EARNED	Technical Certificate (33 Credit Hours)			
FALL Term 6	CSIA 260: Business Continuity in an Information World (3 cr) AAS	CSIA 235: Digital Forensics (3 cr) AAS	ITSP 136: Workforce Prep: CompTIA A+ Certification (3 cr) AAS 16 weeks 	
FALL Term 7	SVAD 121: Enterprise Computing (3 cr) AAS	COMM 101: Fundamentals of Public Speaking (3 cr) AAS 		
SPRING Term 8	PHIL 102: Introduction to Ethics (3 cr) AAS	ENG 111: English Composition (3 cr) TC 		
SPRING Term 9	CPIN 269: Project Management (3 cr) AAS	CPIN 279: CPIN Exploration & Evaluation (1 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (22 credits)

TC-Technical Certificate (33 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

DATA ANALYTICS

The Data Analytics program prepares students for this fast-growing field which requires skills in organization, storage, integration, retrieval and analysis of data. Students are trained in database designing, building, managing, system troubleshooting and report generation. Students are introduced to the significant tasks required of database administrators, the internal structures and architectures of database management systems, the implementation of data security and integrity measures, and the assessment of data usage and availability on the web and within internal business systems.

CAREER OPPORTUNITIES

What can I do with this major?

- Database Design and Administration
- Information Security Analyst
- Market Research Analyst
- Computer Network Architect

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our [Transfer Page](#) for more information.

SALARY OUTLOOK

\$76,724

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Career Coach:




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Campus Main Line: (219) 464-8514



DATA ANALYTICS

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	DBMS 110: Introduction to Data Analytics (3 cr) CT	MATH 200: Statistics (3 cr) CT	IVYT 115: Student Success (1 cr) TC	
FALL Term 2	INFM 109: Informatics Fundamentals (3 cr) CT	DBMS 130: Data Management Structured Query Language (3 cr) CT	SDEV 120: Computing Logic (3 cr) CT	
SPRING Term 3	INFM 219: Business Intelligence, Data Warehousing & Reporting (3 cr) CT	DBMS 160: Data Visualization & Analysis (3 cr) CT		
SPRING Term 4	SVAD 150: Cloud Computing Technologies (3 cr) CT	DBMS 260: Advanced Data Analytics (3 cr) CT		
EARNED	Certificate (27 Credit Hours)			
SUMMER Term 5	DBMS 261: CIW Data Analytics Certification (1 cr) AAS			
FALL Term 6	ENG 111: English Composition (3 cr) TC	BUSN 101: Introduction to Business Application (3 cr) TC	MATH 135: Finite Math (3 cr) AAS	
EARNED	Technical Certificate (31 Credit Hours)			
FALL Term 7	COMM 101: Fundamentals of Public Speaking (3 cr) AAS	SDEV 140: Introduction to Software Development (3 cr) AAS		
SPRING Term 8	ECON 101: Economics Fundamentals (3 cr) AAS	SVAD 111: Linux & Virtualization Technologies Fundamentals (3 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	
SPRING Term 9	CSIA 105: Introduction to Cyber Security (3 cr) AAS	CPIN 269: Project Management (3 cr) AAS	CPIN 279: CPIN Exploration & Evaluation (1 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (27 credits)

TC-Technical Certificate (31 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

INFORMATICS SALESFORCE ADMINISTRATOR

Informatics involves studying how people interact with computers to increase productivity and enhance communication. Students will learn to critically analyze approaches to processing information and develop skills to design, implement and evaluate the next generation of information technology tools.

Learn more here: <https://youtu.be/kt173DSDX5Q>

Graduates of our Associate of Science (AS) degree can seamlessly transfer to a four-year institution through our "Transfer as a Junior" program, entering at a junior status. To learn more about our Transfer as a Junior programs, and how it can save you money, visit our [TSAP page](#). Please keep in mind, you will also need to be admitted to the four-year institution you intend to transfer to; admission is not guaranteed just by enrolling in a Transfer as a Junior program.

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



SALARY OUTLOOK

\$65,044

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INFORMATICS SALESFORCE ADMINSTRATOR

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	DBMS 110: Intro to Data Analytics (3 cr) CT 	BUSN 101: Intro to Business Applications (3 cr) CT 	IVYT 115: Student Success (1 cr) TC 	
FALL Term 2	INFM 109: Informatics Fundamentals (3 cr) CT 	BUSN 106: Customer Service (3 cr) CT	SDEV 120: Computing Logic (3 cr) CT 	
SPRING Term 3	INFM 219: Business Intel Data, Warehousing, & Reporting (3 cr) CT	INFM 260: Salesforce Administrator (3 cr) CT	ENG 111: English Composition (3 cr) TC 	
SPRING Term 4	NETI 104: Introduction to Networking (3 cr) TC	INFM 261: Salesforce Administrator Certification Course (1 cr) CT	INFM 209: Informatics & Human Computer Interaction (3 cr) TC	
EARNED	Certificate (22 Credit Hours)			
SUMMER Term 5	CSIA 105: Introduction to Cyber Security (3 cr) TC 	TRACK OPTION 1 (3 cr) AAS		
FALL Term 6	MATH 123: Quantitative Reasoning (3 cr) AAS 	ITSP 132: IT Essentials I (2 cr) TC 	TRACK OPTION 2 (3 cr) AAS	
EARNED	Technical Certificate (30 Credit Hours)			
FALL Term 7	PHIL 102: Introduction to Ethics (3 cr) AAS	ITSP 134: IT Essentials II (2 cr) AAS 	SVAD 150: Cloud Technologies Fundamentals (3 cr) AAS	
SPRING Term 8	COMM 101: Fundamentals of Public Speaking (3 cr) AAS 	SCIN 111: Physical Science (3 cr) AAS	TRACK OPTION 3 (3 cr) AAS	
SPRING Term 9	CPIN 269: Project Management (3 cr) AAS	CPIN 279: CPIN Exploration & Evaluation (1 cr) AAS	TRACK OPTION 4 (3 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (22 credits)

TC-Technical Certificate (30 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

INFORMATICS

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Next Level Jobs

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SALARY OUTLOOK

\$65,044

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INFORMATICS

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	DBMS 110: Intro to Data Analytics (3 cr) CT	ITSP 132: IT Essentials I (2 cr) CT	IVYT 115: Student Success (1 cr) TC	
FALL Term 2	INFM 109: Informatics Fundamentals (3 cr) CT	ITSP 134: IT Essentials II (2 cr) CT	SDEV 120: Computing Logic (3 cr) TC	
SPRING Term 3	NETI 104: Introduction to Networking (3 cr) CT	ENG 111: English Composition (3 cr) TC	ITSP 136: Workforce Prep: CompTIA A+ Certification (1 cr) CT 16 weeks	
SPRING Term 4	INFM 219: Business Intel Data, Warehousing & Reporting (3 cr) CT	INFM 209: Informatics & Human Computer Interaction (3 cr) CT		
EARNED	Certificate (20 Credit Hours)			
SUMMER Term 5	CSIA 105: Intro to Cyber Security (3 cr) TC	SVAD 150: Cloud Technologies Fundamentals (3 cr) TC		
EARNED	Technical Certificate (30 Credit Hours)			
FALL Term 6	MATH 123: Quantitative Reasoning (3 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	TRACK OPTION 1 (3 cr) AAS	
FALL Term 7	PHIL 102: Introduction to Ethics (3 cr) AAS	TRACK OPTION 2 (3 cr) AAS		
SPRING Term 8	COMM 101: Fundamentals of Public Speaking (3 cr) AAS	TRACK OPTION 3 (3 cr) AAS		
SPRING Term 9	CPIN 269: Project Management (3 cr) AAS	CPIN 279: CPIN Exploration & Evaluation (3 cr) AAS	TRACK OPTION 4 (3 cr) AAS	
EARNED	Associate of Applied Science (61 Credit Hours)			

CT-Certificate (20 credits)

TC-Technical Certificate (30 credits)

AAS-Associate of Applied Science (61 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

INFORMATION TECHNOLOGY

This program walks through tearing down and rebuilding computers, working with customer support software and managing projects. This program is loaded with hands-on labs and the ability to receive necessary certifications. Students will learn skills needed to work with and support a wide range of customers. They will learn how to diagnose computer-related issues and walk customers through resolving those issues.

Learn more here: <https://youtu.be/kt173DSDX5Q>

CAREER OPPORTUNITIES

What can I do with this major?

- Support Specialist
- IT Technician
- Network Engineer
- IT Systems Administrator

SALARY OUTLOOK

\$64,209

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Next Level Jobs

You may be eligible for a free certificate
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INFORMATION TECHNOLOGY SUPPORT HELP DESK

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	DBMS 110: Introduction to Data Analytics (3 cr) CT	ITSP 132: IT Essentials I (2 cr) CT	IVYT 115: Student Success (1 cr) TC	NETI 109: Networking I (3 cr) CT 16 weeks
FALL Term 2	INFM 109: Informatics Fundamentals (3 cr) CT	ITSP 134: IT Essentials II (2 cr) CT		
SPRING Term 3	SVAD 111: Linux & Virtualization Technologies (3 cr) CT	CSIA 105: Introduction to Cyber Security (3 cr) CT		ITSP 136: Workforce Prep: CompTIA A+ Certification (1 cr) CT 16 weeks
SPRING Term 4	ITSP 175: Customer Support & Help Desk (3 cr) CT	ENG 111: English Composition (3 cr) TC	CSIA 106: Workforce Prep: CompTIA Security+ Certification (1 cr) CT	
EARNED	Certificate (23 Credit Hours)			
SUMMER Term 5	SDEV 120: Computing Logic (3 cr) TC	SVAD 121: Enterprise Computing (3 cr) TC		
EARNED	Technical Certificate (30 Credit Hours)			
FALL Term 6	Math 123: Quantitative Reasoning (3 cr) AAS	ITSP 215: Mobile/Wireless Computing Support (3 cr) AAS		
FALL Term 7	PHIL 102: Introduction to Ethics (3 cr) AAS	ITSP 235: Internet of Things (3 cr) AAS	ITSP 216: Workforce Prep: Certified Wireless (1 cr) AAS	
SPRING Term 8	COMM 101: Fundamentals of Public Speaking (3 cr) AAS	SDEV 150: Cloud Technologies (3 cr) AAS		
SPRING Term 9	CPIN 269: Project Management (3 cr) AAS Elective*	CPIN 279: CPIN Exploration & Evaluation (1 cr) AAS Elective*	SCIN 111: Physical Science (3 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (23 credits)

TC-Technical Certificate (30 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

NETWORK INFRASTRUCTURE

Networking is at the core of all digital communications in our interconnected society. Students will work through the Cisco Networking Academy official CCNA preparation curriculum, in addition to courses in infrastructure, wireless, voice, and server administration.

CAREER OPPORTUNITIES

What can I do with this major?

- Network Engineer
- Network Installation
- IoT Developer
- Systems Analyst

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our [Transfer Page](#) for more information.

SALARY OUTLOOK

\$66,145

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NETWORK INFRASTRUCTURE

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	NETI 109: Networking I (3 cr) CT	IVYT 115: Student Success (1 cr) TC	ITSP 132: IT Essentials I (2 cr) TC	
FALL Term 2	NETI 119: Networking II (3 cr) CT	SVAD 150: Cloud Computing Technologies (3 cr) CT	ITSP 134: IT Essentials II (2 cr) TC	
SPRING Term 3	NETI 209: Networking III (3 cr) CT	SDEV 120: Computer Logic (3 cr) TC	NETI 219: Workforce Prep: CCNA Certification (1 cr) CT 16 weeks	NETI 120: Infrastructure Design (3 cr) CT 16 weeks
SPRING Term 4	INFM 109: Informatics Fundamentals (3 cr) TC	MATH 123: Quantitative Reasoning (3 cr) TC		
EARNED Certificate (16 Credit Hours)				
SUMMER Term 5	NETI 114: Workforce Prep: CompTIA Network + Certification (1 cr) AAS	ENGL 111: English Composition (3 cr) TC		
FALL Term 6	SVAD 121: Enterprise Computing (3 cr) TC	SVAD 111: Linux & Virtualization Technologies (3 cr) TC		
EARNED Technical Certificate (33 Credit Hours)				
FALL Term 7	COMM 101: Fundamentals of Public Speaking (3 cr) AAS	SDEV 140: Introduction to Software Development (3 cr) AAS	CSIA 105: Introduction to Cyber Security (3 cr) AAS	
SPRING Term 8	CSIA 115: Cyber Ops (3 cr) AAS	PHIL 102: Introduction to Ethics (3 cr) AAS	CSIA 106: Workforce Prep: CompTIA Security + Certification (1 cr) AAS	
SPRING Term 9	CPIN 269: Project Management (3 cr) AAS	CPIN 279: Computing & Informatics Exploration & Evaluation (1 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	
EARNED Associates in Applied Science (60 Credit Hours)				

CT-Certificate (#6 credits)

TC-Technical Certificate (3%credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

SOFTWARE DEVELOPMENT (SOFTWARE APPLICATION DEVELOPER)

The Software Development Program prepares students to develop, test and maintain the software applications that people use every day with their computers and other technical devices. The coursework involves a combination of practical programming techniques and problem-solving skills.
Learn more here: <https://youtu.be/kt173DSDX5Q>

CAREER OPPORTUNITIES

What can I do with this major?

- Applications Developer
- Systems Programmer
- Web Developer
- Webmaster

SALARY OUTLOOK

\$80,945

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Next Level Jobs

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Campus Main Line: (219) 464-8514



SOFTWARE DEVELOPMENT SOFTWARE APPLICATION DEVELOPER

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	DBMS 110: Introduction to Data Analytics (3 cr) CT	SDEV 120: Computing Logic (3 cr) CT	IVYT 115: Student Success (1 cr) TC	
FALL Term 2	SDEV 153: Website Development (3 cr) CT	SDEV 140: Introduction to Software Development (3 cr) CT		
SPRING Term 3	SDEV 220: Software Development Using Python (3 cr) CT	SDEV 264: Mobile Application Development (3 cr) CT		
EARNED	Certificate (18 Credit Hours)			
SPRING Term 4	COMM 101: Fundamentals of Public Speaking (3 cr) CT	ENG 111: English Composition (3 cr) TC	SDEV 272: Workforce Prep: Python (1 cr) TC	
SUMMER Term 5	CPIN 269: Project Management (3 cr) TC	CSCI 105: Discrete Logic (3 cr) TC		
EARNED	Technical Certificate (32 Credit Hours)			
FALL Term 6	VISC 104: Experience/Interface (UX/UI) (3 cr) AAS	INFM 109: Informatics Fundamentals (3 cr) AAS	Math 136: College Algebra (3 cr) AAS 16 weeks	
FALL Term 7	PHIL 102: Introduction to Ethics (3 cr) AAS	SVAD 150: Cloud Foundations (3 cr) AAS		
SPRING Term 8	SDEV 255: Web Application Development (3 cr) AAS	INFM 209: Human-Computer Interaction (3 cr) AAS		
SPRING Term 9	SDEV 265: System/Software Analysis & Projects (3 cr) AAS	CPIN 279: Computing & Informatics Exploration & Evaluation (1 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (18 credits)

TC-Technical Certificate (32 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

SOFTWARE DEVELOPMENT (SOFTWARE WEB APPLICATION DEVELOPMENT)

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Learn more here: <https://youtu.be/kt173DSDX5Q>

CAREER OPPORTUNITIES

What can I do with this major?

- Applications Developer
- Systems Programmer
- Web Developer
- Webmaster

SALARY OUTLOOK

\$80,945

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Next Level Jobs

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SOFTWARE DEVELOPMENT WEB APPLICATION DEVELOPMENT

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	INFM 109: Informatics Fundamentals (3 cr) CT 	SDEV 120: Computing Logic (3 cr) CT 	IVYT 115: Student Success (1 cr) TC 	
FALL Term 2	SDEV 140: Introduction to Software Development (3 cr) CT 	SDEV 153: Website Development (3 cr) CT 	VISC 104: Experience/Interface (UX/UI) (3 cr) AAS	
SPRING Term 3	DBMS 110: Introduction to Data Analytics (3 cr) CT 	SDEV 250: Client Side Scripting Language & Tools (3 cr) CT		
SPRING Term 4	SDEV 253: Server Side Scripting Language & Tools (3 cr) TC	ENG 111: English Composition (3 cr) TC 	COMM 101: Fundamentals of Public Speaking (3 cr) TC 	
EARNED	Certificate (21 Credit Hours)			
SUMMER Term 5	CPIN 269: Project Management (3 cr) TC	INFM 209: Informatics Fundamentals (3 cr) AAS		
FALL Term 6	SDEV 275: Workforce Preparation: MTA 98-375 HTML5 Fundamentals Certification (1 cr) TC	SDEV 255: Web Application Development (3 cr) AAS	Math 136: College Algebra (3 cr) AAS 16 weeks 	
FALL Term 7	PHIL 102: Intro to Ethics (3 cr) AAS	SDEV 264: Mobile Application Development (3 cr) AAS		
EARNED	Technical Certificate (32 Credit Hours)			
SPRING Term 8	SVAD 150: Cloud Foundations (3 cr) AAS	SDEV 200: Software Development Using Java (3 cr) AAS	SDEV 230: Software Development Using C++ (3 cr) AAS	
SPRING Term 9	SDEV 265: System/Software Analysis & Projects (3 cr) AAS	CPIN 279: Computing & Informatics Exploration & Evaluation (1 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (21 credits)

TC-Technical Certificate (32 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.

2022-23

SOFTWARE DEVELOPMENT (WEBSITE DESIGN)

The Software Development Program prepares students to develop, test and maintain the software applications that people use every day with their computers and other technical devices. The coursework involves a combination of practical programming techniques and problem-solving skills.
Learn more here: <https://youtu.be/kt173DSDX5Q>

CAREER OPPORTUNITIES

What can I do with this major?

- Applications Developer
- Systems Programmer
- Web Developer
- Webmaster

SALARY OUTLOOK

\$80,945

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Next Level Jobs

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SOFTWARE DEVELOPMENT WEBSITE DESIGN

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	VISC 104: Experience/Interface (UX/UI) (3 cr) CT	SDEV 120: Computing Logic (3 cr) CT	IVYT 115: Student Success (1 cr) TC	
FALL Term 2	VISC 115: Introduction to Computer Graphics (3 cr) CT	SDEV 153: Website Development (3 cr) CT	INFM 209: Informatics Fundamentals (3 cr) AAS	
SPRING Term 3	DBMS 110: Introduction to Data Analytics (3 cr) TC	SDEV 155: Content Management Systems (3 cr) CT	SDEV 140: Introduction to Software Development (3 cr) TC	
EARNED	Certificate (18 Credit Hours)			
SPRING Term 4	COMM 101: Fundamentals of Public Speaking (3 cr) TC	ENG 111: English Composition (3 cr) TC		
SUMMER Term 5	CPIN 269: Project Management (3 cr) TC	SDEV 275: Workforce Preparation: MTA 98-375 HTML5 Fundamentals Certification (1 cr) TC		
FALL Term 6	SDEV 255: Web Application Development (3 cr) TC	INFM 109: Informatics Fundamentals (3 cr) AAS	Math 136: College Algebra (3 cr) AAS 16 weeks	
FALL Term 7	PHIL 102: Introduction to Ethics (3 cr) AAS	SVAD 150: Cloud Foundations (3 cr) AAS		
EARNED	Technical Certificate (32 Credit Hours)			
SPRING Term 8	SDEV 230: Software Development Using C++ (3 cr) AAS	SDEV 264: Mobile Application Development (3 cr) AAS		
SPRING Term 9	SDEV 265: System/Software Analysis & Projects (3 cr) AAS	CPIN 279: Computing & Informatics Exploration & Evaluation (1 cr) AAS	SCIN 111: Physical Science (3 cr) AAS	
EARNED	Associate of Applied Science (60 Credit Hours)			

CT-Certificate (18 credits)

TC-Technical Certificate (32 credits)

AAS-Associate of Applied Science (60 credits)

* Suggested electives are stated, please see advisor for other options. Additionally, some courses may be offered at various times or course modalities.



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Dean Kathleen Kravitz

What We're Known For



Welcome to the School of Arts, Sciences & Education at the Valparaiso Campus. We are known for small classes taught by expert faculty in classrooms and laboratories with the newest technology and equipment. We take pride in focusing on academic success for every student. Our experienced faculty provide high-quality education in a wide variety of subjects including English, anatomy and physiology, mathematics, communication, psychology, sociology, history, philosophy, foreign language, science and biology to prepare students for transfer to four-year colleges or universities as well as for directly entering the workforce after completion of an Associate Degree.

Our Elementary and Secondary Education programs give future teachers the opportunity to prepare for their careers with field experience and observation in local schools. Students participate in a wide variety of real-world experiences such as lesson planning, studying diversity in education, and preparing a portfolio.

Our Psychology program prepares students for careers as mental health assistants, youth counselors and home care aides. Our faculty have diverse academic preparation and experience in psychology to provide students with knowledge that directly applies to practices in the field. Students take a broad range of courses including Introduction to Psychology, Human Sexuality, Abnormal Psychology, and Theories of Personality.

Our Biology program takes students on a path of exciting discoveries while exploring the field of biological science and prepares graduates for different careers such as biologist, botanist, zoologist, medical technician, environmental scientist and forest ranger. Students have the opportunity to learn from top faculty in our updated laboratories while taking courses on cell biology, molecular biology, genetics and plant biology in addition to chemistry and physics.

Our programs in General Studies and Liberal Arts offer a wide variety of electives that focus on critical thinking, creative expression and scientific reasoning. The programs provide broad exposure in composition and literature, the humanities and sciences, mathematics, communication and multicultural awareness. Students can select from a variety of courses and disciplines to create a unique and personal education plan based on their interests or educational goals. Certifications can also be earned in communication and global studies.

2022-23

BIOLOGY

The Biology Program at Ivy Tech focuses on the life and physical sciences, allowing students to explore various biology topics through elective courses including molecular biology, genetics and ecology. From studying gene expression to examining the complex relationships between organisms and the environment, students earn a well-rounded understanding of biology through in-person classes, online courses and lab exercises.

CAREER OPPORTUNITIES

What can I do with this major?

Biology program graduates will be able to work in a variety of jobs such as biological science lab technicians, forest conservation technicians, and medical laboratory technicians.

Working Toward Your Bachelor's Degree?

Transfer as a Junior programs, officially known as TSAP (Transfer Single Articulation Pathways) programs, are based upon a curriculum agreed upon across all of the public institutions in Indiana. This program allows you to graduate from Ivy Tech Community College with an associate degree, then transfer directly to the four-year college or university directly as a junior. Visit ivytech.edu/TSAP for more information.

SALARY OUTLOOK

\$56,357

*Data is Average Annual Salary Specific to Indiana

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Career Coach:










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BIOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	IVYT 111: Student Success (1 cr) 4 day recommended 	BIOL 107: Biology II Diversity of Life (5 cr) 16 weeks 	CHEM 105: General Chemistry I (5 cr) 16 weeks 	
FALL Term 2	ENGL 111: English Composition (3 cr) 			
SPRING Term 3	PSYC 101: Introduction to Psychology (3 cr) 	BIOL 105: Biology I Molecular & Cellular Processes (5 cr) 16 weeks 	CHEM 106: General Chemistry II (5 cr) 16 weeks 	
SPRING Term 4	PHIL 102: Introduction to Ethics (3 cr)			
FALL Term 5	COMM 101: Fundamentals of Public Speaking (3 cr) 	MATH 211: Calculus I (4 cr) 16 weeks 	BIOL 221: Molecular Biology (4 cr) 16 weeks	PHYS 101: Physics I (4 cr) 16 weeks
FALL Term 6				

EARNED Technical Certificate (30 Credit Hours)



SPRING Term 7	SOCI 111: Introduction to Sociology (3 cr)	BIOL 222: Genetics (4 cr) 16 weeks	BIOL 279: Introduction to Scientific Research (1 cr) 16 weeks	PHYS 102: Physics II (4 cr) 16 weeks
SPRING Term 8	ENGL 215: Rhetoric & Argument (3 cr) 			

EARNED Associate of Science - Biology Transfer as a Junior (TSAP) (60 Credit Hours)



2022-23

EDUCATION

The Education Program helps future teachers prepare for a career on day one. In the first education course, students go into school settings for authentic field experience and observation time. From creating lesson plans to working on community engagement projects, students participate in a variety of real teaching experiences and scenarios.

CAREER OPPORTUNITIES

96.5 % of Indiana public school districts are reporting a teacher shortage this year, a 9% drop over last year, according to an annual survey done through Indiana State University's Bayh College of Education. Indiana ranks in the top 5 states with the highest demand for teachers. There are currently 817 jobs in the Indiana Department of Education Job Bank (January 2022).

Working Toward Your Bachelor's Degree?

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SALARY OUTLOOK

\$46,950

*Data is Average Annual Salary Specific to Indiana

*Varies by location based on completion of Bachelor's Degree

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Career Coach:












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Elementary Education

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ENGL 111: English Composition (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	EDUC 101: Introduction to Teaching (3 cr) 16 weeks 	MATH 123: Quantitative Reasoning (3 cr) 16 weeks 
FALL Term 2	COMM 101: Fundamentals of Public Speaking (3 cr) 	EDUC 121: Child & Adolescent Development (3 cr) 		
SPRING Term 3	HIST 101: Survey of American History I (3 cr) 	POLS 101: Introduction to American Government (3 cr) 	BIOL 101: Introductory Biology (3 cr) 16 weeks 	
SPRING Term 4	EDUC 230: The Exceptional Child (3 cr) 	EDUC 233: Literacy Development Through Children's Literature (3 cr) 		

EARNED
Technical Certificate (30 Credit Hours)


FALL Term 5	EDUC 224: Introduction to Scientific Inquiry (3 cr)	ENGL 202: Creative Writing (3 cr) 		
FALL Term 6	HIST 112: World Civilization II (3 cr) 	SCIN 111: Physical Science (3 cr)	ARTH 110: Art Appreciation (3 cr)	
SPRING Term 7	EDUC 240: Introduction to Physical & Health Education for Teaching (3 cr)	MATH 141: Math for Elementary Teachers (4 cr)	SCIN 100: Earth Science (4 cr) 16 weeks	
SPRING Term 8	EDUC 250: Educational Psychology (3 cr)			

EARNED
**Associate of Science -
Elementary Education Transfer as a Junior (TSAP) (60 Credit Hours)**


2022-23

EDUCATION

The Education Program helps future teachers prepare for a career on day one. In the first education course, students go into school settings for authentic field experience and observation time. From creating lesson plans to working on community engagement projects, students participate in a variety of real teaching experiences and scenarios.

CAREER OPPORTUNITIES

96.5 % of Indiana public school districts are reporting a teacher shortage this year, a 9% drop over last year, according to an annual survey done through Indiana State University's Bayh College of Education. Indiana ranks in the top 5 states with the highest demand for teachers. There are currently 817 jobs in the Indiana Department of Education Job Bank (January 2022).

Working Toward Your Bachelor's Degree?

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SALARY OUTLOOK

\$46,950

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Secondary Education - Biology Teaching Track

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ENGL 111: English Composition (3 cr) 	BIOL 107: Biology II Diversity of Life (5 cr) 16 weeks 	CHEM 105: General Chemistry I (5 cr) 16 weeks 	EDUC 101: Introduction to Teaching (3 cr) 16 weeks 
FALL Term 2	IVYT 111: Student Success (1 cr) 4 day recommended 			
SPRING Term 3	ARTH 110: Art Appreciation (3 cr)	BIOL 105: Biology I Molecular & Cellular Processes (5 cr) 16 Weeks 	CHEM 106: General Chemistry II (5 cr) 16 weeks 	
SPRING Term 4	COMM 101: Fundamentals of Public Speaking (3 cr) 			
FALL Term 5	HIST 101: Survey of American History (3 cr) 		MATH 211: Calculus I (4 cr) 16 Weeks 	BIOL 221: Molecular Biology (4 cr) 16 Weeks
FALL Term 6	EDUC 201: Technology in Education (2 cr) 	EDUC 121: Child & Adolescent Development (3 cr) 		

EARNED**Technical Certificate (30 Credit Hours)**
**SPRING
Term 7**
EDUC 255:
Multicultural Teaching
(3 cr)

BIOL 222:
Genetics
(4 cr)
16 Weeks

PHYS 101:
Physics I
(4 cr)
16 Weeks

**SPRING
Term 8**
EDUC 250:
Educational Psychology
(3 cr)
EARNED
**Associate of Science -
Secondary Education Biology Transfer as a Junior (TSAP) (63 Credit Hours)**


2022-23

EDUCATION

The Education Program helps future teachers prepare for a career on day one. In the first education course, students go into school settings for authentic field experience and observation time. From creating lesson plans to working on community engagement projects, students participate in a variety of real teaching experiences and scenarios.

CAREER OPPORTUNITIES

96.5 % of Indiana public school districts are reporting a teacher shortage this year, a 9% drop over last year, according to an annual survey done through Indiana State University's Bayh College of Education. Indiana ranks in the top 5 states with the highest demand for teachers. There are currently 817 jobs in the Indiana Department of Education Job Bank (January 2022).

Working Toward Your Bachelor's Degree?

Transfer as a Junior programs, officially known as TSAP (Transfer Single Articulation Pathways) programs, are based upon a curriculum agreed upon across all of the public institutions in Indiana. This program allows you to graduate from Ivy Tech Community College with an associate degree, then transfer directly to the four-year college or university directly as a junior. Visit ivytech.edu/TSAP for more information.

SALARY OUTLOOK

\$46,950

**Data is Average Annual Salary Specific to Indiana*

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Career Coach:









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Secondary Education - Math Teaching Track

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ENGL 111: English Composition (3 cr) 	MATH 211: Calculus I (4 cr) 16 weeks	EDUC 101: Introduction to Teaching (3 cr) 16 weeks 	SCIN 100: Earth Science (4 cr) 16 weeks
FALL Term 2	IVYT 111: Student Success (1 cr) 4 day recommended 			
SPRING Term 3	HIST 101: Survey of American History (3 cr) 	ARTH 110: Art Appreciation (3 cr)	MATH 212: Calculus II (4 cr) 16 weeks	
SPRING Term 4	COMM 101: Fundamentals of Public Speaking (3 cr) 	SCIN 111: Physical Science (3 cr)		
FALL Term 5	SOCI 111: Introduction to Sociology (3 cr)		MATH 261: Multivariate Calculus (4 cr) 16 weeks	MATH 251: Introduction to Mathematical Statistics (3 cr) 16 weeks
FALL Term 6	EDUC 201: Technology in Education (2 cr)	EDUC 121: Child & Adolescent Development (3 cr) 		

EARNED**Technical Certificate (30 Credit Hours)**

SPRING Term 7	EDUC 255: Multicultural Teaching (3 cr)		MATH 265: Linear Algebra (3 cr) 16 weeks	MATH 264: Differential Equations (3 cr) 16 weeks
SPRING Term 8	EDUC 250: Educational Psychology (3 cr)	ENGL 215: Rhetoric & Argument (3 cr) 		

EARNED
**Associate of Science -
Secondary Education Math Transfer as a Junior (TSAP) (61 Credit Hours)**


2022-23

GENERAL STUDIES

The General Studies degree offers the student a solid core of General Education classes with the flexibility of additional elective courses of an individualized education plan. The General Education core of the degree provides broad exposure in composition, the humanities and sciences, mathematics, communication, and multicultural awareness. These courses are largely transferable to four-year institutions as required coursework toward a bachelor's degree.

CAREER OPPORTUNITIES

What can I do with this major?

Graduates of the General Studies degree at Ivy Tech have been able to transfer into bachelor's degree programs at four-year institutions.

Some of our graduates have also been able to move directly into the workforce working in a wide variety of industries.

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our [Transfer Page](#) for more information.

SALARY OUTLOOK

\$25,000 to **\$75,000**
annual salary

EARN MORE & IMPROVE YOUR SKILLS

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GENERAL STUDIES

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ENGL 111: English Composition (3 cr) 	PSYC 101: Introduction to Psychology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	MATH 123: Quantitative Reasoning (3 cr) 16 weeks 
FALL Term 2	COMM 101: Fundamentals of Public Speaking (3 cr) 	SOCI 111: Introduction to Sociology (3 cr)		
SPRING Term 3	HIST 101: Survey of American History I (3 cr) 	COMM 102: Introduction to Interpersonal Communication (3 cr)	SCIN 100: Earth Science (4 cr) 16 weeks	
SPRING Term 4	ARTH 110: Art Appreciation (3 cr)	PHIL 102: Introduction to Ethics (3 cr)		

EARNED Technical Certificate (30 Credit Hours)



FALL Term 5	Statewide Elective 	Statewide Elective 		
FALL Term 6	ENGL 215: Rhetoric & Argument (3 cr) 	Statewide Elective 	Statewide Elective 	
SPRING Term 7	POLS 101: Introduction to American Government (3 cr) 	Statewide Elective 		
SPRING Term 8	SOCI 164: Multicultural Studies (3 cr)	GENS 279: General Studies Capstone (1 cr) 	Statewide Elective 	

EARNED Associate of General Studies (60 Credit Hours)



2022-23

LIBERAL ARTS

Our Liberal Arts Programs focus on areas such as communication, scientific inquiry, quantitative reasoning and ethical decision making. Classroom lectures focus on critical thinking, creative expression and scientific reasoning. Students have the chance to select from a variety of courses to create a unique and personal academic pathway. The programs are taught on a more personal level than bigger colleges.

CAREER OPPORTUNITIES

What can I do with this major?

The Liberal Arts degree prepares students to transfer into four-year universities where they can receive a bachelor's degree. We have articulation partners all across the state with four-year institutions.

Working Toward Your Bachelor's Degree?

Graduates of our Associate of Science (AS) degree can transfer to a four-year institution. Visit our [Transfer Page](#) for more information.

SALARY OUTLOOK

\$25,000 to
\$75,000 annual salary

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LIBERAL ARTS (ASSOC. OF ARTS)

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ENGL 111: English Composition (3 cr) 	PSYC 101: Introduction to Psychology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	MATH 123: Quantitative Reasoning (3 cr) 16 weeks 
FALL Term 2	COMM 101: Fundamentals of Public Speaking (3 cr) 	SOCI 111: Introduction to Sociology (3 cr)		
SPRING Term 3	HIST 101: Survey of American History I (3 cr) 	COMM 102: Introduction to Interpersonal Communication (3 cr)	ASTR 101: Solar System Astronomy (3 cr)	
SPRING Term 4	ARTH 110: Art Appreciation (3 cr)	PHIL 102: Introduction to Ethics (3 cr)		

EARNED Technical Certificate (30 Credit Hours)



FALL Term 5	ENGL 202: Creative Writing (3 cr) 	ARTH 101: Survey of Art & Culture I (3 cr)	SPAN 101: Spanish Level I (4 cr) 16 weeks 	
FALL Term 6	HUMA 118: Music Appreciation (3 cr)	ENGL 215: Rhetoric & Argument (3 cr) 		
SPRING Term 7	POLS 101: Introduction to American Government (3 cr) 		ECON 101: Economics Fundamentals (3 cr) 16 weeks	SPAN 102: Spanish Level II (4 cr) 16 weeks 
SPRING Term 8	SOCI 164: Multicultural Studies (3 cr)	GENS 279: General Studies Capstone (1 cr) 		

EARNED Associate of Arts (60 Credit Hours)



2022-23

LIBERAL ARTS

Our Liberal Arts Programs focus on areas such as communication, scientific inquiry, quantitative reasoning and ethical decision making. Classroom lectures focus on critical thinking, creative expression and scientific reasoning. Students have the chance to select from a variety of courses to create a unique and personal academic pathway. The programs are taught on a more personal level than bigger colleges.

CAREER OPPORTUNITIES

What can I do with this major?

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Working Toward Your Bachelor's Degree?

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SALARY OUTLOOK

\$25,000 to
\$75,000 annual salary

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LIBERAL ARTS (ASSOC. OF SCIENCE)

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ENGL 111: English Composition (3 cr) 	PSYC 101: Introduction to Psychology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	MATH 136: College Algebra (3 cr) 16 weeks 
FALL Term 2	COMM 101: Fundamentals of Public Speaking (3 cr) 	SOCI 111: Introduction to Sociology (3 cr)		
SPRING Term 3	HIST 101: Survey of American History I (3 cr) 	COMM 102: Introduction to Interpersonal Communication (3 cr)	ASTR 101: Solar System Astronomy (3 cr)	
SPRING Term 4	ARTH 110: Art Appreciation (3 cr)	MATH 137: Trigonometry with Analytic Geometry (3 cr) 		

EARNED Technical Certificate (30 Credit Hours)



FALL Term 5	ENGL 202: Creative Writing (3 cr) 	ARTH 101: Survey of Art & Culture I (3 cr)	BIOL 101: Introductory Biology (3 cr) 16 weeks	
FALL Term 6	PHIL 102: Introduction to Ethics (3 cr)	ENGL 215: Rhetoric & Argument (3 cr) 		
SPRING Term 7	POLS 101: Introduction to American Government (3 cr) 		ECON 101: Economics Fundamentals (3 cr) 16 weeks	SCIN 100: Earth Science (4 cr) 16 weeks
SPRING Term 8	SOCI 164: Multicultural Studies (3 cr)	GENS 279: General Studies Capstone (1 cr) 		

EARNED Associate of Science (60 Credit Hours)



2022-23



PSYCHOLOGY

Psychology instructors at Ivy Tech have a sound academic preparation in psychology and a wide variety of practical experiences in applying psychological knowledge in the workplace. The Ivy Tech psychology course curriculum is broad, ranging from Introductory Psychology to more specialized courses such as Human Sexuality, Abnormal Psychology, and Theories of Personality. Graduates will be awarded an Associate of Science in Psychology.

CAREER OPPORTUNITIES

What can I do with this major?

- Mental Health Assistant
- Youth Counselor
- Home Health Aide
- Addiction Rehabilitation
- Transfer

Working Toward Your Bachelor's Degree?

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SALARY OUTLOOK

\$46,851

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PSYCHOLOGY

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	ENGL 111: English Composition (3 cr) 	PSYC 101: Introduction to Psychology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	Math 136: College Algebra (3 cr) 16 weeks 
FALL Term 2	COMM 101: Fundamentals of Public Speaking (3 cr) 	SOCI 111: Introduction to Sociology (3 cr)		
SPRING Term 3	COMM 102: Introduction to Interpersonal Communication (3 cr)	PSYC 205: Abnormal Psychology (3 cr)	BIOL 101: Introductory Biology (3 cr) 16 weeks 	
SPRING Term 4	ARTH 110: Art Appreciation (3 cr)	PSYC 201: Lifespan Development (3 cr)		
FALL Term 5	SOCI 252: Social Problems (3 cr)	ENGL 202: Creative Writing (3 cr) 	SPAN 101: Spanish Level I (4 cr) 16 weeks	
FALL Term 6	PHIL 102: Introduction to Ethics (3 cr)	ENGL 215: Rhetoric & Argument (3 cr) 		

EARNED *Technical Certificate (30 Credit Hours)*



SPRING Term 7	PSYC 253: Introduction to Social Psychology (3 cr)	PSYC 212: Research Methods Psychology (4 cr) 16 weeks	SPAN 102: Spanish Level II (4 cr) 16 Weeks 	
SPRING Term 8	SOCI 164: Multicultural Studies (3 cr)			

EARNED *Associate of Science - Psychology Transfer as a Junior (TSAP) (60 Credit Hours)*





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Welcome to the School of Nursing!

Dean Dr. DeeDee Marinaro

What We're Known For



The School of Nursing offers two nursing programs. The Practical Nursing (PN) program requires three consecutive semesters of instruction to receive a Technical Certificate. Graduating with a Technical Certificate from our PN program makes you eligible to take the National Council Licensure Examination (NCLEX) to become a Licensed Practical Nurse (LPN).

The second nursing program is the Associate of Science in Nursing (ASN) program. Our ASN program has three tracks. The Traditional Track is four semesters, not including summers. The LPN to ASN Transitional Track is three consecutive semesters, including summers. As of Spring 2022, we are happy to say we have started a third track of the ASN program with the Paramedic to ASN Transitional Track, which is three consecutive semesters, including summers. Graduating from the ASN program will make you eligible to take the NCLEX to become a Registered Nurse (RN).

Our NCLEX pass rates have been maintained above the 80% benchmark for the NCLEX-RN for the past six years at the Valparaiso Campus. Pass rates for ASN were 92% in 2021. Over the last 12 years, we have maintained an overall pass rate of 98.5% for the PN program. Pass rates for PN were 100% in 2021.

We have outstanding nursing faculty and staff. They are approachable, consistent and supportive to help students reach their education goals. They are knowledgeable in their subject matter. We have an outstanding simulation coordinator with a simulation technician. Our simulation space is state-of-the-art (picture below). Our nursing lab is conducive to learning (picture below).

Please don't hesitate to email me with any questions you have, and I will be happy to answer. My contact information is printed on the front pages of all Nursing program sheets.



2022-23

NURSING

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CAREER OPPORTUNITIES

What can I do with this major?

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Working Toward Your Bachelor's Degree?

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SALARY OUTLOOK

\$64,991

*Data is Average Annual Salary Specific to Indiana

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Campus Main Line: (219) 464-8514

Cheryl Austin, Administrative Assistant: (219) 476-4736



NURSING

(TSAP FALL START)

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	APHY 101: Anatomy & Physiology I (3 cr)	ENGL 111: English Composition (3 cr)		
FALL Term 2	APHY 102: Anatomy & Physiology II (3 cr)	PSYC 101: Introduction to Psychology (3 cr)	IVYT 111: Student Success (1 cr) 4 day recommended	
SPRING Term 3	MATH 123: Quantitative Reasoning (3 cr)	COMM 101: Fundamentals of Public Speaking (3 cr)		
SPRING Term 4	SOCI 111: Intro to Sociology (3 cr)	BIOL 201: Microbiology (3 cr)		
FALL Term 5 & Term 6	APHY 201: Advanced Human Physiology (3 cr) 16 weeks	HUMA: Humanities Course (3 cr) 16 weeks		
SPRING Term 7	NRSG 100: Fundamentals (3 cr)	NRSG 105: Medical Surgical Nursing I Clinical (2 cr)	NRSG 115: Nursing Lab (3 cr) 16 weeks	
SPRING Term 8	NRSG 102: Medical Surgical Nursing I (3 cr)			
FALL Term 9	NRSG 110: Medical Surgical II (3 cr)	NRSG 111: Medical Surgical Nursing Clinical II (2 cr)	NRSG 106: Pharmacology (3 cr) 16 weeks	
FALL Term 10	NRSG 126: Mental Health Nursing (2 cr)	NRSG 127: Mental Health Nursing Clinical (2 cr)		
SPRING Term 11 & Term 12	NRSG 206: NRSG Care of Childbearing Family (4 cr) 16 weeks	NRSG 207: NRSG Care of Childbearing Clinical (2 cr) 16 weeks		Apply to ASN Program Oct Application Cycle, Start Spring
FALL Term 13 & Term 14	NRSG 200: Complex Medical-Surgical Nursing for ASN (3 cr) 16 weeks	NRSG 201: Complex Medical-Surgical Nursing for ASN Clinical (4 cr) 16 weeks	NRSG 208: Practice Issues Associate Degree (2 cr)	



2022-23

NURSING

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NURSING

(TSAP SPRING START)

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
SPRING Term 1	APHY 101: Anatomy & Physiology I (3 cr)	ENGL 111: English Composition (3 cr)		
SPRING Term 2	APHY 102: Anatomy & Physiology II (3 cr)	PSYC 101: Introduction to Psychology (3 cr)	IVYT 111: Student Success (1 cr) 4 day recommended	
FALL Term 3	MATH 123: Quantitative Reasoning (3 cr)	COMM 101: Fundamentals of Public Speaking (3 cr)		
FALL Term 4	SOCI 111: Intro to Sociology (3 cr)	BIOL 201: Microbiology (3 cr)		
SPRING Term 5 & Term 6	APHY 201: Advanced Human Physiology (3 cr) 16 weeks	HUMA: Humanities Course (3 cr) 16 weeks		
FALL Term 7	NRSG 100: Fundamentals (3 cr)	NRSG 105: Medical Surgical Nursing I Clinical (2 cr)	NRSG 115: Nursing Lab (3 cr) 16 weeks	
FALL Term 8	NRSG 102: Medical Surgical Nursing I (3 cr)			
SPRING Term 9	NRSG 110: Medical Surgical Nursing II (3 cr)	NRSG 111: Medical Surgical Nursing Clinical II (2 cr)	NRSG 106: Pharmacology (3 cr) 16 weeks	
SPRING Term 10	NRSG 126: Mental Health Nursing (2 cr)	NRSG 127: Mental Health Nursing Clinical (2 cr)		
FALL Term 11 & Term 12	NRSG 206: NRSG Care of Childbearing Family (4 cr) 16 weeks	NRSG 207: NRSG Care of Childbearing Clinical (2 cr) 16 weeks		Apply to ASN Program May Application Cycle, Start Fall
SPRING Term 13 & Term 14	NRSG 200: Complex Medical-Surgical Nursing for ASN (3 cr) 16 weeks	NRSG 201: Complex Medical-Surgical Nursing for ASN Clinical (4 cr) 16 weeks	NRSG 208: Practice Issues Associate Degree (2 cr)	



2022-23

NURSING (LPN to ASN TRANSITION)

Students in the Nursing and Practical Nursing Programs at Ivy Tech gain valuable skills and experiences by caring for real patients in a variety of clinical settings including lab simulations. The growing use of simulations in nursing schools allows students to assume roles that are typically unavailable in a clinical setting, allowing students to make critical choices and see the results of those decisions.

CAREER OPPORTUNITIES

What can I do with this major?

ASN graduates are qualified to work in hospitals, nursing and residential care facilities, home healthcare, physician offices, schools and health departments.

SALARY OUTLOOK

\$64,991

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NURSING

(LPN to ASN)

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
SPRING Term 1	APHY 101: Anatomy & Physiology I (3 cr)	ENGL 111: English Composition (3 cr)		
SPRING Term 2	APHY 102: Anatomy & Physiology II (3 cr)	PSYC 101: Introduction to Psychology (3 cr)	IVYT 111: Student Success (1 cr) 4 day recommended	
FALL Term 3	MATH 123: Quantitative Reasoning (3 cr)	COMM 101: Fundamentals of Public Speaking (3 cr)		
FALL Term 4	SOCI 111: Intro to Sociology (3 cr)	BIOL 201: Microbiology (3 cr)		
SPRING Term 5 & Term 6	APHY 201: Advanced Human Physiology (3 cr) 16 weeks	HUMA: Humanities Course (3 cr) 16 weeks		
SUMMER Term 7	NRSG 122: Introduction to ASN Transition (5 cr)	NRSG 125: LPN to ASN Lab (1 cr)	NRSG 126: Mental Health Nursing (grads less than 2 years from PN Program) (2 cr)	NRSG 127: Mental Health Nursing Clinical (grads less than 2 years from PN Program) (1 cr)
FALL Term 8			NRSG 206: Care of Childbearing Family (4 cr) 16 weeks	NRSG 207: Care of Childbearing Clinical (2 cr) 16 weeks
FALL Term 9	NRSG 126: Mental Health Nursing (grads post 2 years from PN Program) (2 cr)	NRSG 126: Mental Health Nursing Clinical (grads post 2 years from PN Program) (2 cr)		
SPRING Term 10		NRSG 200: Complex Medical Surgical NSG for ASN (3 cr) 16 weeks	NRSG 201: Complex Medical Surgical NSG for ASN Clinical (4 cr) 16 weeks	
SPRING Term 11	NRSG 208: Practice Associate Degree (2 cr)			Apply to the LPN to ASN Track in February, Summer Start

EARNED**Associate of Nursing (74-77 Credit Hours)**

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

2022-23

NURSING (PARM to ASN TRANSITION)

Students in the Nursing and Practical Nursing Programs at Ivy Tech gain valuable skills and experiences by caring for real patients in a variety of clinical settings including lab simulations. The growing use of simulations in nursing schools allows students to assume roles that are typically unavailable in a clinical setting, allowing students to make critical choices and see the results of those decisions.

CAREER OPPORTUNITIES

What can I do with this major?

ASN graduates are qualified to work in hospitals, nursing and residential care facilities, home healthcare, physician offices, schools and health departments.

SALARY OUTLOOK

\$64,991

**Data is Average Annual Salary Specific to Indiana*

Working Toward Your Bachelor's Degree?

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Cheryl Austin, Administrative Assistant: (219) 476-4736



NURSING

(PARM to ASN)

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
SPRING Term 1	APHY 101: Anatomy & Physiology I (3 cr) 	ENGL 111: English Composition (3 cr) 		
SPRING Term 2	APHY 102: Anatomy & Physiology II (3 cr) 	PSYC 101: Introduction to Psychology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	
FALL Term 3	MATH 123: Quantitative Reasoning (3 cr) 	COMM 101: Fundamentals of Public Speaking (3 cr) 		
FALL Term 4	SOCI 111: Intro to Sociology (3 cr)	BIOL 201: Microbiology (3 cr)		
SPRING Term 5 & Term 6	APHY 201: Advanced Human Physiology (3 cr) 16 weeks	HUMA: Humanities Course (3 cr) 16 weeks		
SPRING Term 7	NRSG 122: Introduction to ASN Transition (5 cr)		NRSG 123: Transition ASN Lab/Clinical (3 cr) 16 weeks	NRSG 106: Pharmacology (3 cr) 16 weeks
SPRING Term 8	NRSG 127: Mental Health Nursing Clinical (1 cr)	NRSG 126: Mental Health Nursing (2 cr)		
SUMMER Term 9	NRSG 206: Care of Childbearing Family (4 cr)	NRSG 206: Care of Childbearing Family (2 cr)		
FALL Term 10		NRSG 200: Complex Medical Surgical NSG for ASN (3 cr) 16 weeks	NRSG 201: Complex Medical Surgical NSG for ASN Clinical (4 cr) 16 weeks	
FALL Term 11	NRSG 208: Practice Associate Degree (2 cr)			Apply to the PARM to ASN Track in Fall, Spring Start

EARNED**Associate of Nursing (76-79 Credit Hours)**

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

2022-23

PRACTICAL NURSING

Students in the Nursing and Practical Nursing programs at Ivy Tech gain valuable skills and experiences by caring for real patients in a variety of clinical settings including lab simulations. The growing use of simulations in nursing schools allow students to assume roles that are typically unavailable in a clinical setting, allowing students to make critical choices and see the results of those decisions.

CAREER OPPORTUNITIES

What can I do with this major?

PN graduates are qualified to provide basic care, under the direction of registered nurses and doctors, for patients in a variety of healthcare settings such as nursing homes, extended care facilities, hospitals, clinics, home healthcare and physician offices.

SALARY OUTLOOK

\$64,991

**Data is Average Annual Salary Specific to Indiana*

Next Level Jobs

You may be eligible for a free certificate offered through this degree program.



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PRACTICAL NURSING TC (FALL START)

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
FALL Term 1	APHY 101: Anatomy & Physiology I (3 cr) 	PSYC 101: Introduction to Psychology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	
FALL Term 2	APHY 102: Anatomy & Physiology II (3 cr) 	ENGL 111: English Composition (3 cr) 		

Apply for Spring Admission into the PN program.
Must take the TEAS Test. Sept/Oct Application Cycle.

Program curricula subject to change in Fall 2022

Once accepted into PN Program,
Spring Start in the Nursing Program.

SPRING Term 3	NRSG 101: Fundamentals (3 cr)	NRSG 105: Medical Surgical Nursing I Clinical (2 cr)	NRSG 115: Nursing Lab (3 cr) 16 weeks	
SPRING Term 4	NRSG 102: Medical Surgical Nursing I (3 cr)			
SUMMER Term 5	NRSG 112: Maternal Child Nursing (3 cr)	NRSG 106: Pharmacology (3 cr)	NRSG 113: Maternal Child Nursing Clinical (2 cr)	
FALL Term 6	NRSG 110: Medical Surgical Nursing II (3 cr)	NRSG 111: Medical Surgical Nursing Clinical II (2 cr)		
FALL Term 7	NRSG 116: Geriatric/Complex Medical Surgical (4 cr)	NRSG 117: Geriatric/Complex Medical Surgical Clinical (2 cr)	NRSG 128: Practical Issues for PN (2 cr)	

EARNED**Practical Nursing Technical Certificate (45 Credit Hours)**

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

2022-23

PRACTICAL NURSING

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CAREER OPPORTUNITIES

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PRACTICAL NURSING TC (SPRING START)

Completion Guide

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
SPRING Term 1	APHY 101: Anatomy & Physiology I (3 cr) 	PSYC 101: Introduction to Psychology (3 cr) 	IVYT 111: Student Success (1 cr) 4 day recommended 	
SPRING Term 2	APHY 102: Anatomy & Physiology II (3 cr) 	ENGL 111: English Composition (3 cr) 		

Apply for Fall Admission into the PN program.
Must take the TEAS Test. May Application Cycle.
Program curricula subject to change in Fall 2022
Once accepted into PN Program,
Fall Start in the Nursing Program.

FALL Term 3	NRSG 101: Fundamentals (3 cr)	NRSG 105: Medical Surgical Nursing I Clinical (2 cr)	NRSG 115: Nursing Lab (3 cr) 16 weeks	
FALL Term 4	NRSG 102: Medical Surgical Nursing I (3 cr)			
SPRING Term 5	NRSG 112: Maternal Child Nursing (3 cr)	NRSG 113: Maternal Child Nursing Clinical (2 cr)	NRSG 106: Pharmacology (3 cr) 16 weeks	
SPRING Term 6	NRSG 110: Medical Surgical Nursing II (3 cr)	NRSG 111: Medical Surgical Nursing Clinical II (2 cr)		
SUMMER Term 7	NRSG 116: Geriatric/Complex Medical Surgical (4 cr)	NRSG 117: Geriatric/Complex Medical Surgical Clinical (2 cr)	NRSG 128: Practical Issues for PN (2 cr)	

EARNED**Practical Nursing Technical Certificate (45 Credit Hours)**

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.



FROZEN TUITION

FREE TEXTBOOKS

FREE CLASSES
AFTER 12 CREDITS

Apply Today





List of Programs Offered at Michigan City Site

- Industrial Mechanical Technology
- Manufacturing Production and Operations (via Distance Education)
- Psychology
- Education (Elementary)
- General Studies
- Liberal Arts
- Accounting (via Distance Education)
- Bookkeeper
- Business Administration
- Business Operations, Applications & Technology
- CDL Plus
- Microsoft Office Specialist
- Supply Chain Management
- Certified Nursing Aide
- Dementia Care
- Healthcare Specialist
- Medical Assisting
- Medical Office Administration
- Outpatient Insurance Coding
- Pre-Nursing Studies
- Computer Science (via Distance Education)
- Cyber Security/Information Assurance (via Distance Education)
- Data Analytics (via Distance Education)
- Informatics (via Distance Education)
- Microsoft Administration (via Distance Education)
- Software Development (via Distance Education)
- Web Application Development (via Distance Education)
- Web Foundation
- Criminal Justice (via Distance Education)
- Homeland Security
- Human Services (via Distance Education)
- Legal Studies (via Distance Education)

2022-23

INDUSTRIAL TECHNOLOGY MECHANICAL

The Industrial Mechanical Program is designed to prepare students for work in both large and small industrial environments, with a wide variety of equipment. Students receive hands-on training on hydraulic systems, industrial automation, relay systems, mechanical drives, machine installation and industrial safety. Learn more here: <https://youtu.be/OdddGNFCNFk>

CAREER OPPORTUNITIES

What can I do with this major?

- Industrial Maintenance Technician
- Machine Installer
- Controls Technician
- Field Service Technician

Job opportunities are widely available.
Work for companies like:

- NLMK
- Cleveland Cliffs
- Nexus RV
- Shoremet
- CosMyFy
- 5 Star Engineering
- Waste Away Group

SALARY OUTLOOK

\$42,975

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INDUSTRIAL TECHNOLOGY MECHANICAL

Completion Guide

Location: Michigan City Site

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
SUMMER Term 1	INDT 104: Fluid Power I (3 cr)			
FALL Term 2	ADMF 101: Key Principles of Advanced Manufacturing (3 cr)	INDT 113: Industrial Electrical I (3 cr) 		
FALL Term 3	ADMF 102: Technology in Advanced Manufacturing (3 cr)			
SPRING Term 4	ADMF 222: Fluid Power II (3 cr)			
SPRING Term 5	INDT 203: Machine Maintenance (3 cr)			
SUMMER Term 6	ADMF 112: Mechanical Drives I (3 cr)			

EARNED
Industrial Mechanical Certificate (21 Credit Hours)

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

Additional Ivy Tech Degrees Offered:

- Industrial Mechanical Technology Technical Certificate (34 credit hours)
- Associate of Applied Science (60 credit hours)

Many of the general studies courses needed for these degrees can be taken at the Michigan City site location. The remaining core mechanical courses would need to be taken at the Valparaiso Campus location.

2022-23

INDUSTRIAL TECHNOLOGY ELECTRICAL

The Industrial Technology Electrical Program is designed to prepare students for entry-level and apprentice-level positions in industrial maintenance and electrical. Students receive hands-on training in motor controls, relay systems, electrical circuits, programmable logic controllers, and industrial safety. Learn more here: <https://youtu.be/OdddGNFCNFk>

CAREER OPPORTUNITIES

What can I do with this major?

- Industrial Maintenance Technician
- Electrical Apprentice
- Controls Technician
- Field Service Technician

Job opportunities are widely available.
Work for companies like:

- NLMK
- Cleveland Cliffs
- Nexus RV
- Shoremet
- CosMyFy
- 5 Star Engineering
- Waste Away Group

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INDUSTRIAL TECHNOLOGY ELECTRICAL

Completion Guide

Location: La Porte Site

8-WEEK SESSIONS	COURSE	COURSE	COURSE	COURSE
SUMMER Term 1	INDT 113: Industrial Electrical I (3 cr) 			
FALL Term 2	INDT 103: Motors & Motor Controls (3 cr) 			
FALL Term 3	INDT 204: Electrical Circuits (3 cr)			
SPRING Term 4	ADMF 101: Key Principles of Advanced Manufacturing (3 cr)			
SPRING Term 5	ADMF 102: Technology in Advanced Manufacturing (3 cr)			
FALL Term 6	INDT 205: Programmable Automations I (3 cr)			
FALL Term 7	INDT 125: Industrial Wiring Principles (3 cr)			

EARNED**Industrial Electrical Certificate (21 Credit Hours)**

Some courses may be offered at various times or course modality. Please speak to your advisor for those options.

Additional Ivy Tech Degrees Offered:

- Industrial Electrical Technology Technical Certificate (34 credit hours)
 - Associates of Applied Science (60 credit hours)

Many of the general studies courses needed for these degrees can be taken at the Michigan City site location.
 The remaining core electrical courses would need to be taken at the Valparaiso Campus location.



IVY TECH/DRIVECO CDL TRUCK DRIVING SCHOOL



Ivy Tech/DriveCo Truck Driving School prepares you for a rewarding career in commercial driving. Earn your Commercial Drivers License (CDL) in four weeks!

Benefits of our classes:

- **Small Class Sizes**
- **Certified Instructors**
- **Career Opportunities**

As a recruiter for TMC, I appreciate the quality of instruction DriveCo offers their students. We visit and hire grads from DriveCo on a regular basis. They come prepared and ready to start their new careers with us. The staff and instructors genuinely care about their students on a one-to-one basis and do a great job of preparing them for their new careers. – Andrew Richter

Truck Drivers are in High Demand!

According to the American Trucking Association, 60,000 drivers are needed nationwide to end the current truck driver shortage.

<https://www.trucking.org/>

SALARY OUTLOOK

\$45,000 to
\$65,000 annual salary

*Data is specific to Indiana and taken from BLS 2020

Training consists of both classroom instruction and hands-on training in our practice yard and on the road. This course prepares students for both the written permit and the behind-the-wheel exam to receive a Class A CDL. After receiving their Commercial Driver's License, students will be eligible for employment as an entry-level driver.

Enroll Today or Learn More Here:

Website: www.ivytech.edu/laporte

Email: Valparaiso-workforcealignment@ivytech.edu

Phone: (219) 861-1222





IVY TECH/KLLM TRANSPORT SERVICES CDL TRUCK DRIVING ACADEMY

Ivy Tech/KLLM Transport Services partnership offers enrolled students a certificate (CT) in CDL+. Classes begin every week.

Benefits of our classes:

- **Small Class Sizes**
- **Certified Instructors**
- **Direct Career Opportunity upon Completion**
- **Tuition Assistance Available***

SALARY OUTLOOK

\$60,000 to
\$70,000 annual salary

*Data is specific to Indiana and taken from BLS 2020

Truck Drivers are in High Demand!

According to the American Trucking Association, 60,000 drivers are needed nationwide to end the current truck driver shortage.

<https://www.trucking.org/>

Training consists of both classroom instruction and hands-on training in our practice yard and on the road. This course prepares students for both the written permit and the behind-the-wheel exam in order to receive a Class A CDL. After receiving the Commercial Drivers License, students will be eligible for employment with KLLM.

Enroll Today or Learn More Here:

Danielle Harris, Navigator: dharris313@ivytech.edu

Email: Valparaiso-workforcealignment@ivytech.edu

Phone: (800) 925-1000 ext. 6140





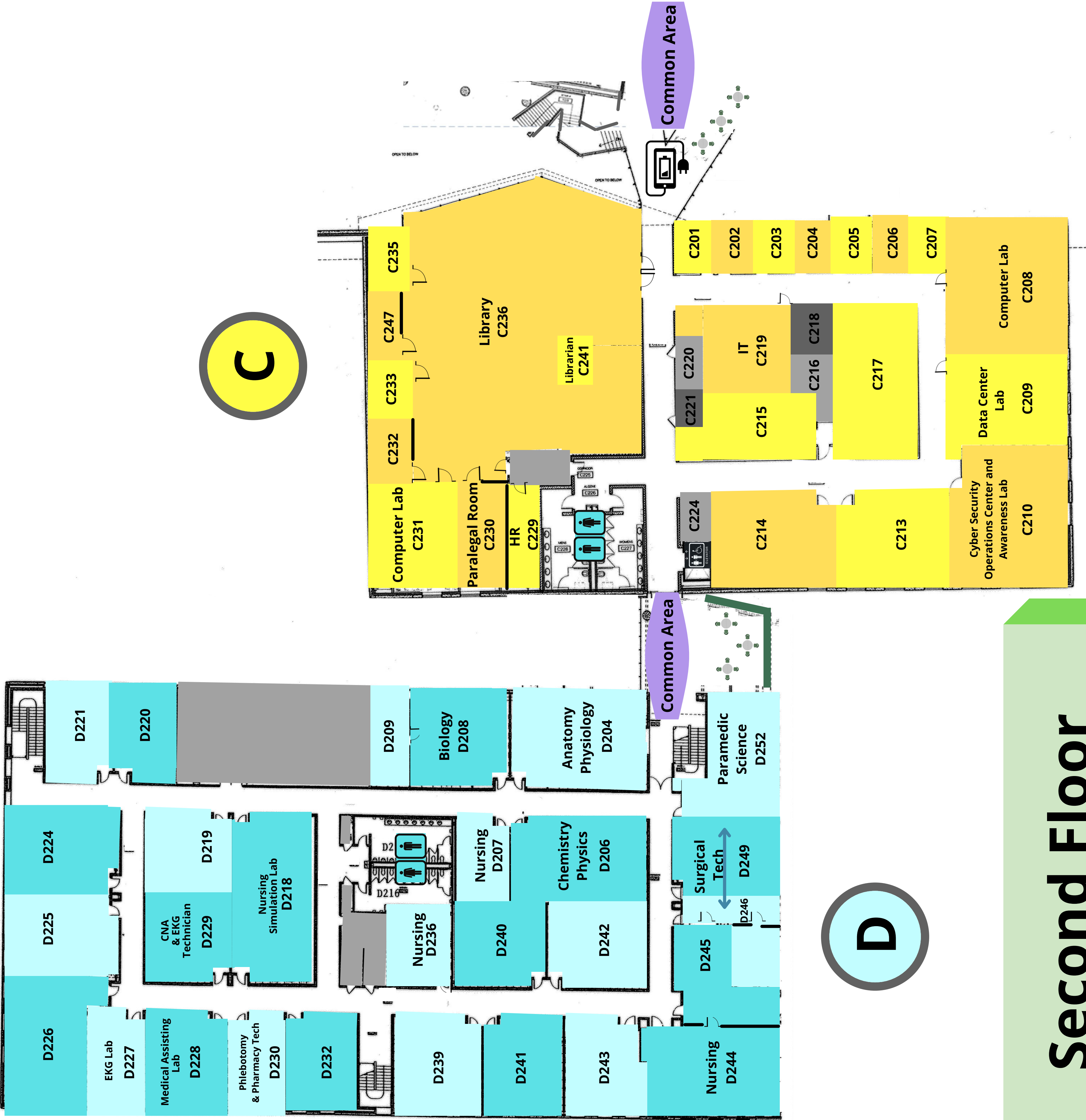
3100 Ivy Tech Dr, Valparaiso, IN 46383
(219) 464-8514

First Floor

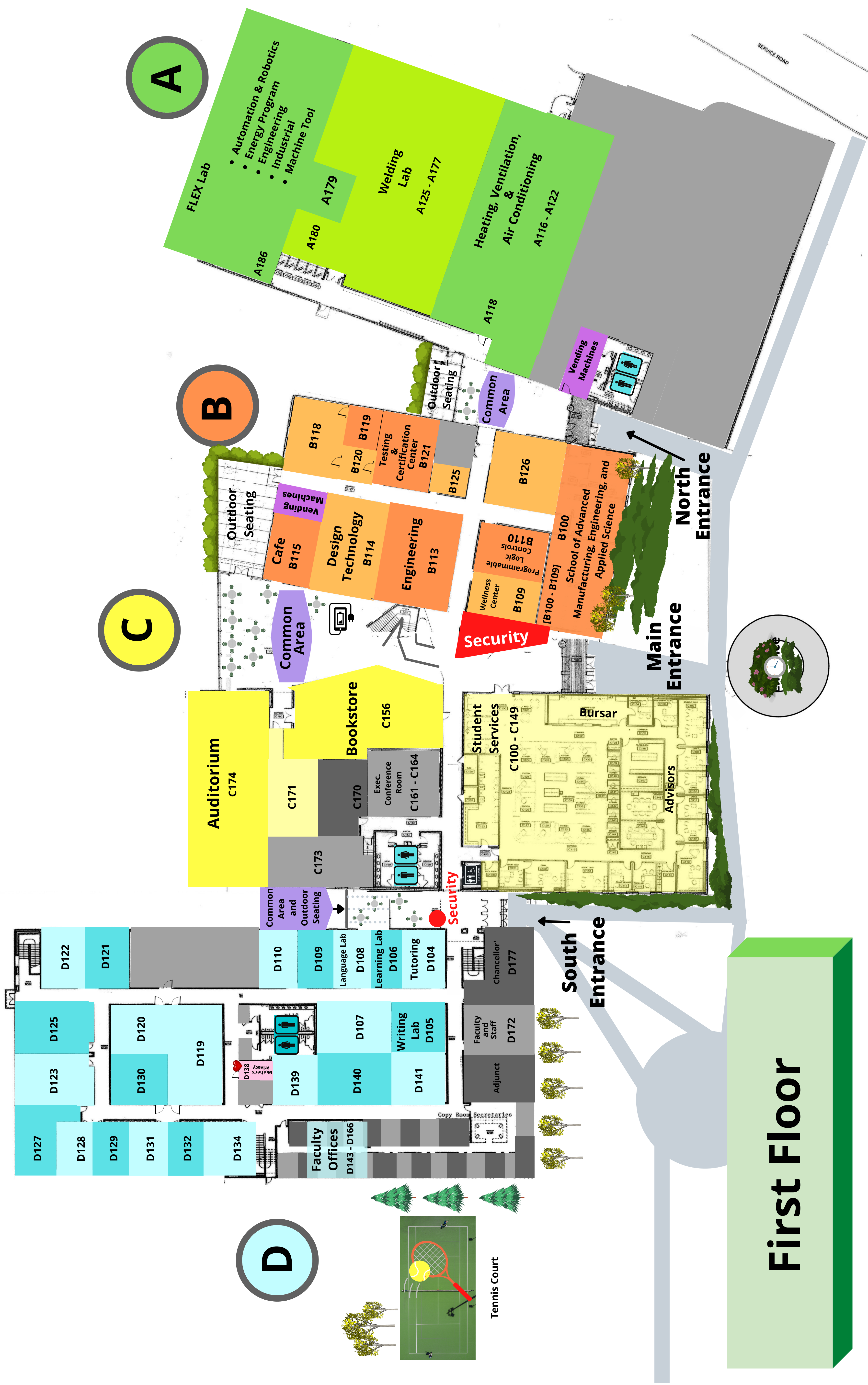
- Auditorium..... C174
- Bookstore..... C156
- Career Coaching & Employer Connection..... D168
- Flex Lab..... A186
 - Automation & Robotics
 - Energy Program
 - Engineering
 - Industrial
 - Machine Tool
- Heating, Ventilation, & Air Conditioning..... A118
- Language Lab..... D108
- Learning Lab..... D106
- Mother's Privacy Room..... D138
- Programmable Logic Controls..... B110
- School of Advanced Manufacturing and Engineering B100
- Student Services..... C100
 - Admissions
 - Advising
 - Bursar/Business Office
 - Disability Support Services
 - Enrollment
 - Financial Aid
 - Registrar
 - Student Life
 - Veterans Services
 - 21st Century Scholars Services
- Testing & Certification Center..... B121
- Tutoring..... D104
- Welding Lab..... A125
- Wellness Center..... B109
- Writing Lab..... D105

Second Floor

- Anatomy & Physiology..... D204
- Biology..... D208
- Chemistry & Physics..... D206
- Cyber Security Operations Center & Awareness Lab... C210
- CNA & EKG Technician..... D229
- Data Center Lab C209
- EKG Lab..... D227
- Library..... C236
- Medical Assisting Lab..... D228
- Nursing..... D207, D236, D244
- Nursing Simulation Lab..... D218
- Paramedic Science..... D252
- Phlebotomy & Pharmacy Tech..... D230
- Surgical Tech..... D246, D249



Second Floor



Our Service Area

