

# Advanced Manufacturing Technology

Mr. Eric Havener

## Dual Credits:

Ivy Tech Community College

INDT 113 - Basic Electricity

ADMF 122 - Industrial Electrical II

INDT 203 Machine Maintenance and Installation

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## Certifications:

Smart Automation Certification Alliance -Silver and Gold

OSHA 10 Safety Certification

## Careers:

Maintenance Mechanic - Machinist - Plastics Technician - Lab Technician - Mold Setter

Operator - Quality Control Manager - Machine Builder - Inspector

Pneumatics, Robotics, & Hydraulics Technicians

# Architecture & Engineering Design Technology

**Mr. J. Andrew Beadles**

**Mrs. Emily Reidford**

## **Dual Credits:**

University of Southern Indiana (USI)  
ENGR 121 - Drafting & Annotation  
MFET 103 - Materials and Manufacturing Processes  
ME 121 - Solid Modeling  
CE 321 Building Information Modeling

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Ivy Tech Community College  
DESN 101 - Introduction to Design Technology  
DESN 113 - 2D Computer Aided Design  
DESN 104 - Mechanical Graphics  
DESN 105 - Architectural Design I  
DESN 220 - 3D Computer Aided Design  
DESN 195 - Manufacturing Principles & Design

## **Certifications:**

Ivy Tech Community College Technical Certificate: Design Technology - Computer-Aided Design  
Autodesk Certified User - AutoCAD  
Autodesk Certified User - Revit  
Certified SolidWorks Associate (CSWA)  
OSHA 10 Safety Certification  
Microsoft Office Specialist - Excel  
FAA 14 Part 107 Remote Pilot Certificate

## **Careers:**

Architect - Engineer (over 30 types) - Architectural Designer - BIM/CAD Technician  
Architectural Model Builder - Interior Designer - Estimator - Project Manager  
Computer Graphics/Illustrator - Product Designer - Construction Manager

# Automotive Collision Repair Technology

Mr. John Snider

## Dual Credits:

Vincennes University

AUTO 105 - Transportation Fundamentals

BODY 100 - Non-Structural and Damage Repair

BODY 100L - Non-Structural and Damage Repair Lab

BODY 150 - Painting and Refinishing

BODY 150L - Painting and Refinishing Lab

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## Certifications:

ASE Painting and Refinishing

ASE Non-Structural Analysis and Damage Repair

ASE Structural Analysis and Damage Repair

ASE Mechanical and Electrical Components

## Careers:

Collision Repair Technician - Collision Paint Technician - Damage Estimator

Insurance Adjuster - Paint Company Representative - Dealership Parts Manager

Auto Manufacturer Representative - Shop Owner/Operator

Collision Equipment Salesperson

# Automotive Service Technology

Mr. Chris Kaufman

Mr. David Overfield

## Dual Credits:

Ivy Tech Community College

AUTI 100 Intro to Auto

AUTI 121 Brakes

AUTI 121 Steering and suspension

AUTI 141 Engine Principles

AUTI 100 - Basic Auto Service

AUTI 121 - Braking Services

AUTI 122 - Steering / Suspension

AUTI 141 - Engine Repair

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## Certifications:

ASE Engine Repair

ASE Automatic Transmissions

ASE Manual Drive Train and Axles

ASE Steering and Suspension Systems

ASE Braking Systems

ASE Electrical/Electronic Systems

ASE Heating and Air Conditioning

ASE Engine Performance

ASE Maintenance and Light Repair

ASE Automotive Service Technology

## Careers:

Dealership Technician - Independent Repair Shop - Service Writer - Fleet Maintenance

Technician - Service Advisor - Automotive Engineer - Mechanical Engineer

Farm Equipment Technician - Motorcycle Technician - Marine Industry Technician

# Building Construction Technology

Mr. Kent Martin

Mr. David McClary

## Dual Credits:

Vincennes University

CNST 100 - Construction Seminar

CNST 120 - Construction Safety

CNST 105 - Framing

CNST 105L - Framing Laboratory

CNST 160 - Finish Carpentry

CNST 160L - Finish Carpentry Laboratory

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## Certifications:

OSHA 10 Safety Certification

Carpentry Level I Apprentice - Indiana Kentucky Ohio Regional Council of  
Carpenters (IKORCC)

## Careers:

Carpenter - Brick/Block Mason - Cement Finisher - Laborer - Insulator

Plumber/Steamfitter - Millwright - Roofer - Glazier - Drywall/Finisher - Painter

Boilermaker - Foreman - Equipment Operator - Cabinet Maker - Estimator

Project Engineer - Field Engineer - Superintendent

# Computer Science Software Development

Mr. Nic Bander

## Dual Credits:

Ivy Tech Community College  
SDEV 120 - Computing Logic  
INFM 109 - Informatics Fundamentals  
SDEV 153 - Website Development  
DBMS 110 - Intro to Data Analysis  
SDEV 140 - Intro to Software Development  
SDEV 200 - Software Development with Java

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## Careers:

Software Engineer - Full-Stack Developer - Machine Learning Engineer - Data Scientist - Generative AI Engineer  
Prompt Engineer - AI Safety Engineer - MLOps Engineer - Cloud Engineer DevOps Engineer - Site Reliability  
Engineer - Cybersecurity Engineer - Cloud Security Engineer Blockchain Engineer - Smart Contract Developer  
Quantum Computing Engineer - Autonomous Systems Engineer - Computer Vision Engineer - NLP Engineer  
AR/VR Engineer - Robotics Engineer - Data Engineer - Solutions Architect - AI Product Manager  
Chief Technology Officer (CTO)

# Criminal Justice / Public Safety

Mr. Jeff Hands

## Dual Credits:

Vincennes University

LAWE 101 - Survey Of Criminal Justice

LAWE 150 - Criminal Minds and Deviant Behavior

LAWE 145 - Ethics and Professionalism in Criminal Justice

LAWE 101 - Basic Police Operations

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## Certifications:

Red Cross - CPR

Stop the Bleed

NIMS 101

NIMS 100

## Careers:

Police Officer - Sheriff's Deputy - Indiana State Police Trooper - Corrections Officer

911 Dispatcher - FBI - SWAT - Crime Scene Detective - Lawyer - K9 Officer - DEA

Border Patrol Agent

# Culinary Arts

## Chef Sam Wagoner

### Dual Credits:

Vincennes University

REST 120 - Food Service Sanitation

CULN 110 - Quantity Food Production

REST 100 - Intro to Hospitality Management

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### Careers:

Executive Chef - Dietician - Research Chef - Nutritionist - Sous Chef

Food and Beverage Manager - Pastry Chef - Restaurateur - Food Stylist - Food Writer



# Cybersecurity

Mr. Hans Lagenour

## Dual Credits:

Ivy Tech Community College  
INFM109 - Informatics Fundamentals  
SDEV120 - Computing Logic

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## Careers:

Information Security Analyst - Penetration Tester - Security Engineer - Digital Forensics  
Malware Analyst - Systems Administrator - Ethical Hacker - Network Engineer  
Cybersecurity Administrator - Security Auditor - IT Support - Incident Response Specialist

# Diesel Service Technology

Mr. Dan Nightingale

## Dual Credits:

Vincennes University

DESL 110 - Diesel Electrical

DESL 110L - Diesel Electrical Lab

DESL 130 - Diesel Engine Systems

DESL 130L - Diesel Engine Systems Lab

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## Certifications:

ASE Heavy Duty Brakes Systems

ASE Diesel Engines

ASE Electrical/Electronic Systems

ASE Heavy Duty Steering and Suspension

ASE Heavy Duty Inspection, Maintenance, and Minor Repair

## Careers:

Truck Dealerships - Heavy Equipment Dealerships - Agricultural Equipment - Mining

Construction Equipment Operator/Technician - Truck Rental/Leasing Facilities

Equipment Rental/Leasing Facilities - Independent Shops - Marine Technicians

US Military - Fuel Injection Systems Repair

# Electrical Technology

Mr. Tim Knaebel

## Dual Credits:

Ivy Tech Community College

BCTI 100 - Introduction to Construction

BCTI 130 - Introduction to Electrical

BCTI 131 - Electrical Part 1

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## Certifications:

National Center for Construction Education & Research - Core Curriculum

National Center for Construction Education & Research - Electrical Level 1

Electrical Training Alliance - IBEW/NECA Electrical Interim Credentials

OSHA 10 Safety Certification

## Careers:

Residential, Commercial, or Industrial Electrician - Electrical Maintenance Technician

High Voltage Lineman - Communications Field Installer - Alarm/Security System Installer

Electrical Engineering Technician

# Graphic Communications / Digital Media

Mrs. Jeanine Minor

## Dual Credits:

Ivy Tech Community College

VISC 101 - Design Fundamentals

VISC 102 - Raster Graphics I

VISC 115 - Vector Graphics and Publication Design I

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## Certifications:

Adobe Certified Professional Illustrator

Adobe Certified Professional Photoshop

Adobe Certified Professional InDesign

Adobe Certified Design Specialist

## Careers:

Illustrator - Web Designer - 3D Animator - Graphic Designer - Sports Cartoonist

Cartoonist - Cybergraphic Designer - Political Caricaturist - Art Director

Fashion Illustrator - Multimedia Design Specialist

# Health Sciences: Exercise Science

Mrs. Julie Stucki

## Dual Credits:

University of Southern Indiana (USI)

KIN 188 - Intro to Kinesiology and Sport

KIN 281 - Personal Health Science

KIN 282 - CPR for the Healthcare Provider and Sports Injury Prevention

BIOL 121 - Human Anatomy and Physiology I

KIN 396 Health Fitness Management

HP 115 - Medical Terminology for the Health Professions

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## Certifications:

American Heart Association: CPR/AED

HIPAA - Career Safe

OSHA 10 Safety Certification

Concussion Training

Stop The Bleed

Bloodborne Pathogens

Dementia Live

## Careers:

Athletic Trainer - Cardiac Rehab Specialist - Exercise Physiologist - Kinesiologist

Occupational Therapist - Orthopedic Physician - Personal Trainer - Physical Therapist

Physical Therapy Assistant - Prosthetist - Sports Medicine Physician - Sports Nutritionist

Wellness Coordinator

# Health Sciences: Pre-Professional I

Mrs. Angie Pruitt

Mrs. Tonya Fleenor

## Dual Credits:

University of Southern Indiana (USI)

HP 211 - Healthcare Delivery Systems

KIN 192 - Concepts of Wellness and Fitness

HP 115 - Medical Terminology for the Health Professions

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## Careers:

Physician - Nurse - Mortician - Respiratory Therapist - Occupational Therapist -

Clinical Laboratory Scientist - Dentist - Radiographer - Pharmacist

Ultrasound Technician + over 300 more....

# Health Sciences: Pre-Professional II

Mrs. Gwen Barnett

Mrs. Tonya Fleenor

## Dual Credits:

University of Southern Indiana (USI)  
HP 211 - Healthcare Delivery Systems  
KIN 281 - Personal Health Science

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## Certifications:

American Red Cross: CPR/AED for the Professional Rescuer  
HIPAA - Career Safe  
OSHA 10 Safety for Healthcare  
Career Safe Blood Borne Pathogens  
Dementia Live  
NCHSE End of Pathway Exam  
NHA CCMA

## Careers:

Physician - Nurse - Mortician - Respiratory Therapist - Occupational Therapist  
Clinical Laboratory Scientist - Dentist - Radiographer - Pharmacist  
Ultrasound Technician + over 300 more....

# Health Sciences: Medical Assisting Program

Mrs. Sarah Gough

## Dual Credits:

Ivy Tech Community College  
HLHS 101 - Medical Terminology  
HLHS 100 - Intro to Healthcare  
HLHS 104 - CPR Basic Life Support

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## Certifications:

American Heart Association- CPR/AED  
National Health Association - Certified Clinical Medical Assistant  
Dementia Live

## Careers:



# HVAC-R and Energy Systems

Mr. Seth Aull

## Dual Credits:

Ivy Tech Community College  
HVAC 100 - Introduction to HVAC  
HVAC 103 - Refrigeration I  
HVAC 107 - Duct Fabrication

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## Certifications:

EPA Section 608 (ESCO Group)  
OSHA 10 Safety Certification

## Careers:

Sheetmetal Worker - Refrigeration Technician - Insulator - Mechanical Engineering  
Thermal Dynamics - Steam Fitter - HVAC Technician - Boilermaker - Plumbing  
Controls Specialist

# Media Communications and Broadcasting

Mrs. Jo Beth Bootz

## Dual Credits:

Vincennes University

BCST 102 - Introduction to Audio Video Production

BCST 120 - Audio Production

BCST 140 - Video Production

BCST 206 - Field Production

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## Certifications:

Social Media Marketing Certification - Hubspot

Society of Broadcast Engineers - Radio Operator Certification

Society of Broadcast Engineers - Television Operator Certification

Adobe Certified Associate - Adobe Premiere Pro

## Careers:

Radio Announcer/DJ - Television News Anchor - Video Producer - Film Editor

Camera Operator - Broadcast Technician - Audio Engineer - Podcast Host/Producer Social Media Manager

Digital Content Creator - Scriptwriter - Voice-Over Artist - News Reporter - Sports Broadcaster

Event Videographer - Lighting Technician - Video Editor for Social Media - Media Marketing Specialist

Studio Manager - Production Assistant Public Relations Specialist - Technical Director - Motion Graphics

Designer - Live Stream Producer - Documentary Filmmaker

# Precision Machine Metalworking Technology

Mr. Jacob Somers

## Dual Credits:

Ivy Tech Community College

MTTC 101 - Introduction to Machining

MTTC 102 - Turning Processes I

MTTC 103 - Milling Processes I

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## Certifications:

NIMS - National Institute for Metalworking Skills

## Careers:

Machinist - Journeyman/Apprentice - Tool & Die Maker - Plastic Injection Mold

Performance Engine Builder - Product Designer - Engineer Technician

Robotics & Automation Technician

# Supply Chain and Logistics Management

Mr. Jesse Simmons

## Dual Credits:

Career Opportunity at Berry Global following program completion.

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## Careers:

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# Veterinary Sciences

Mrs. Hollye Schillinger

## Dual Credits:

Ivy Tech Community College  
AGRI 107 - Advanced Animal Science

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## Careers:

Veterinarian - Vet Tech - Biologist - Livestock Farmer - Zoo Keeper - Feed Sales Person  
Nutritionist Conservation Officer - Marine Biologist - Animal Trainer - Groomer  
Animal Research - Vet Assistant Animal Behaviorist - Feed Lot Manager  
Reproductive Technologist - Farrowing Manager - Veterinary Chiropractor - Animal Therapist  
Animal Breeder - Geneticist - Pet Sitter - Wildlife Rehabilitationist - Wildlife Biologist  
Veterinary Clinic Manager

# Welding Technology

Mr. Brian Dempsey

## Dual Credits:

Ivy Tech Community College

WELD 100 - Welding Fundamentals

WELD 108 - Shielded Metal Arc Welding I

WELD 206 - Advanced Shielded Metal Arc Welding

WELD 207 - Gas Metal Arc (MIG) Welding

WELD 208 - Gas Tungsten Arc (TIG) Welding

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## Certifications:

AWS - American Welding Society

OSHA 10 Safety Certification

## Careers:

Journeyman/Apprentice - Certified Welding Inspector

PAC, OAC, SMAW, GMAW, & GTAW Welders - Operator

Structural Metal Fabricator & Fitter - Sheetmetal Worker - Shipyard Welder - Boilermaker

Pipe Fitter - Military