

DUAL CREDIT COURSE OPPORTUNITIES

Hamilton Southeastern High School offers many opportunities for students to earn both high school and college credits while taking a certain course. These Dual Credit courses are taught primarily by high school faculty, but a few are taught by college faculty. Each college or university has specific requirements that students must meet in order to qualify to earn the college credit. Most of the Dual Credit courses count towards the Academic/Technical Honors Diploma requirement for Dual Credit hours. A more detailed description of each course can be found within the related department section in this catalog. For more information regarding Dual Credit requirements, credit hour costs, and credit transferability, please visit the College & Career Academy Office.

INDIANA UNIVERSITY – ADVANCED COLLEGE PROJECT

KEY: ATHD – Counts towards Academic/Technical Honors Diploma Requirements

High School Course/College Course	College Course Number	Credits	ATHD
Advanced Business, College Credit (ACP Business Administration)/ Business Administration: Introduction	BUS X100	3	Yes
Advanced Science, College Credit (ACP Chemistry)/ Elementary Chemistry I	CHEM C101/121	5	Yes
Advanced English/Language Arts, College Credit (ACP Literature)/Literary Interpretation	ENG L202	3	Yes
Advanced English/Language Arts, College Credit (ACP Composition)/ Reading, Writing, & Inquiry I	ENG W131	3	Yes
Advanced Social Sciences, College Credit (ACP US History)/American History I & II	HIST H105/H106	3 3	Yes
Advanced Math, College Credit (ACP Finite Math)/ Finite Mathematics	MATH M118	3	Yes
Advanced Math, College Credit (ACP Calculus)/ Brief Survey of Calculus	MATH M119	3	Yes
AP Calculus – AB/Calculus I	MATH M211	4	Yes
AP Calculus – BC/Calculus I & II	MATH M211/212	8	Yes
Advanced Science, College Credit (ACP Physics-AP Physics 1 & 2)/Physics I	PHYS P221	5	Yes
Advanced Social Sciences, College Credit (ACP Government)/Introduction to American Politics	POLS Y103	3	Yes
Advanced Social Sciences, College Credit (ACP Psychology)/Introductory Psychology I	PSY P101	3	Yes
Advanced English/Language Arts, College Credit (ACP Speech)/Public Speaking	SPCH S121	3	Yes

KEY: ATHD – Counts towards Academic/Technical Honors Diploma Requirements

BALL STATE UNIVERSITY

High School Course/College Course	College Course Number	Credits	ATHD
Advanced Science, College Credit, Anatomy/ Fundamentals of Human Anatomy	ANAT 201	3	Yes
Advanced Science, College Credit (Biology-AP Biology)/ Principles of Biology	BIO 111/111L	4	Yes
Advanced Business, College Credit, Entrepreneurship/ The Entrepreneurial Experience	ENT 241	3	Yes

BUTLER UNIVERSITY

Education Professions I (Cadet Teaching)/ Workshop in Education: Future Educators	ED 403	3	Yes
--	--------	---	-----

IVY TECH COMMUNITY COLLEGE

High School Course/College Course	College Course Number	Credits	ATHD
Animal Science (Small Animal Care and Management)/Animal Science	AGRI 103	3	Yes
Agricultural Power, Structure, and Technology (Small Engines)/Agriculture Mechanization	AGRI 106	3	Yes
Advanced Life Science, Animals/ Advanced Animal Science	AGRI 107	3	Yes
Digital Applications and Responsibility/ Introduction to Microcomputers	CINS 101	3	Yes
English 12/English Composition	ENGL 111	3	Yes
Advanced Math, College Credit/ College Algebra	MATH 136	3	Yes
Principles of Marketing	MKTG 101	3	Yes
Visual Communication/ Fundamentals Of Imaging	VISC 102	3	No
Mass Media/Video & Sound	VISC 105	3	No

KEY: ATHD – Counts towards Academic/Technical Honors Diploma Requirements

ANDERSON UNIVERSITY

High School Course	College Course Number	Credits	ATHD
Advanced Business, College Credit, Accounting (AoF)	ACCT 2010	3	Yes

UNIVERSITY OF INDIANAPOLIS

High School Course	College Course Number	Credits	ATHD
Advanced Business, College Credit, Finance and International Business (AoF)	BADM 220	3	Yes

IUPUI

College Course	College Course Number	Credits
Website Design	CIT 21200	3
Introduction to Data Management	CIT 21400	3
Systems Analysis and Design	CIT 21300	3
Web Programming	CIT 21500	3
Social Informatics	*INFO I202	3
Intro to Human-Computer Interaction Principles and Practices	*INFO I270	3
Intro to Human-Computer Interaction Theory	*INFO I275	3
Computing I	CSCI 23000	4
Computing II	CSCI 24000	4

*These courses are included in the 30-hour general education core, meaning they will count toward a student's general education requirements at any Indiana state educational institution.

J. Everett Light Dual Credit Course Opportunities

KEY: ATHD – Counts towards Academic/Technical Honors Diploma Requirements

Program	Dual Credit Agreement	College Course Number	Credits	ATHD	LOC
Advanced Manufacturing and Engineering Technology	Ivy Tech	MPRO100 MPRO106	3 3	Yes	JEL
Animation/Film Production	Vincennes	MCOM 120 BCST140	3 3		JEL
Auto Collision Repair and Refinishing	Vincennes	BODY 100 BODY100L BODY 150 BODY150L	14		JEL
Auto Service Technology	Ivy Tech	AUTI100 AUTI111	3 3	Yes	JEL
Cosmetology	Vincennes	COSM 100 COSM 150	7 7		JEL
Culinary Arts Careers	Ivy Tech	HOSP 101	2	Yes	JEL
Dental Careers	Ivy Tech	DENT 115 DENT 124 HLHS 101	4 2 3	Yes	JEL
Digital Design and Advertising	Ivy Tech	VISC102 VISC115	3 3	Yes	JEL
Early Childhood Education I (Education Careers Profession I)/Intro to Early Childhood Education /Health, Safety, and Nutrition/Curriculum in Early Childhood Classroom	Ivy Tech	ECED 100 ECED 101 ECED 103	3 3 3	Yes	HSEHS
Early Childhood II (Education Careers Profession II)/CDA Process		ECED 105 (2 nd year)	3		
Emergency Medical Services (Emergency Medical Technician)/Emergency Medical Responder/Emergency Medical Technician	Ivy Tech	HSPS 120 PARM 102	3 7.5	Yes	HSEHS
Health Science Education I (Health Careers Exploration)/Intro to Health Careers/Medical Terminology	Ivy Tech	HLHS 100 HLHS 101	3 3	Yes	HSEHS
Health Science Education II: Nursing (Health Careers, CNA Prep)/Intro to Health Careers/CNA Prep/Dementia Care	Ivy Tech	HLHS 100 HLHS 107 HLHS 113	3 5 3	Yes	HSEHS

Program	Dual Credit Agreement	College Course Number	Credits	ATHD	LOC
Pharmacy	Ivy Tech	HLHS100 HLHS101	3 3	Yes	JEL
Law Enforcement	Vincennes	LAWE 100, 101 LAWE 145, 150	3, 3 3, 3		JEL
Media Arts Production	Vincennes	MCOM102 BCST140	3 3		JEL
Medical Assisting	Ivy Tech	HLHS 100 HLHS 101	3 3	Yes	JEL
Radio & Television I (Music/Sound Production)					FHS
Veterinary Careers	Ivy Tech	HLHS101	3	Yes	JEL
Welding Technology I (Welding I)/ Welding Fundamentals	Ivy Tech	WELD 100	3	Yes	HSEHS



**Ivy Tech Community College-Hamilton County
 Technical Education Programs for High School Students
 2019 - 20**



**Location: Ivy Tech Community College-Hamilton County
 300 N. 17th St.
 Noblesville, IN 46060
 317-921-4300**

CHOOSE FROM ONE OF THESE PROGRAMS:

Informatics: Students will learn skills in software development, information systems, servers and networks, and computer repair. CompTIA A+ Certification

Automotive Technician: Students will learn computer and communication skills in order to diagnose and repair high-tech, hybrid and alternative fueled vehicles. Courses lead to ASE Certification

- Complete four college courses in a pathway in one year, **earning 12-13 college credits**
- Include the credits in your Core 40 or honors diploma
- Earn industry recognized certifications
- Transfer the credits to an Associate or Bachelor’s Degree

Details:

- 2 hours/day: **12:15pm-2:15pm**; 4 days/week: **Tuesday-Friday (Monday-Flex)**
- **Transportation provided by HSE Schools**
- Cost: student = \$0

Ivy Tech Community College courses lead to:

- College Certificates 15-28 credits
- College Technical Certificates 30-32 credits
- Associate of Applied Science Degrees 60 credits
- Associate of Science Degrees [transferable to BA/BS degrees] 60 credits

Technical Education Programs and Course Prerequisites:

- **Informatics:** 2.6 GPA or qualifying assessment scores
- **Automotive Technician:** None

Qualifying Assessment Scores:

	PSAT	SAT	ACT	Accuplacer*	Accuplacer**
Reading	25	25	18	69	76
Writing	26	27	17	4	80
Math	24.5	500	18	34	40

*Accuplacer-Custom

**Accuplacer-Standard

PROGRAM DESCRIPTIONS

INFORMATICS

Ivy Tech credits: **13 credits**

Certifications: **CompTIA A+**

Courses:

Ivy TECH COURSE

INFM 109 Informatics Fundamentals
ITSP 135 Hardware/Software Support
SDEV 120 Computing Logic

HIGH SCHOOL COURSE

Computer Science III: Informatics (DOE #5251)
Computer Science III: Informatics (DOE #5251)
Computer Science I (DOE #4801)

INFM 109 Informatics Fundamentals

3 Credits

Prerequisites: 2.6 GPA or college level Reading and Writing placement assessment score.

Introduces the student to terminology, concepts, theory, and fundamental skills used to implement information system. Topics include the trends in computing, operating systems, security, and cloud implementations. A brief introduction to word processing and spreadsheets is included.

ITSP 135 Hardware/Software Support

4 Credits

Prerequisites: INFM 109/Co-requisites: INFM 109.

Delivers the necessary competencies with hands-on experience in the lab for an entry-level Information technology professional. Students will have the knowledge required to assemble components based on customer requirements, install, configure and maintain devices/software for end users, understand the basics of networking and security, properly and safely diagnose, resolve and document common hardware and software issues while applying troubleshooting skills.

Students can prepare for the CompTIA A+ certification exam.

SDEV 120 Computing Logic

3 Credits

Prerequisites: 2.6 GPA or college level Reading, Writing, and Math placement assessment score.

Introduces the student to algorithms, logic development and flowcharting as tools used to document computer logic. Concepts covered are order of precedence, decision trees, security, different types of language approaches, and scripting. Concepts will be demonstrated using basic scripting and simple programming code.

AUTOMOTIVE TECHNICIAN

Program enrollment limit: 20 students

Ivy Tech credits: **12 credits**

Certifications: **Courses count toward Ivy Tech certificate/lead to ASE Certification**

Courses:

IVY TECH COURSE

AUTI 100 Basic Automotive Service

AUTI 111 Electrical Systems I

AUTI 121 Brake Systems

AUTI 141 Engine Fundamentals and Repair

HIGH SCHOOL COURSE

Automotive Services Technology I (DOE #5510)

Automotive Services Technology I (DOE #5510)

Automotive Services Technology II (DOE #5546)

Automotive Services Technology II (DOE #5546)

AUTI 100 Basic Automotive Service

3 Credits

Prerequisites: None.

This course gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. In addition, this course will prepare students to take a nationally recognized certification exam.

AUTI 111 Electrical Systems I

3 Credits

Prerequisites/Co-requisites: AUTI 100 or AUBR 100, or TRCK 100 or AUTC 100, and AUTC 107.

This is the first of two courses that gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics. In addition, this course will prepare students to take a nationally recognized certification exam.

AUTI 121 Brake Systems

3 Credits

Prerequisites/Co-requisites: AUTI 111, or AUTC 113.

This is the first of two courses that teaches theory, service and repair of automotive braking systems. This course provides an overview of various mechanical brake systems used on today's automobiles. This course will emphasize professional diagnosis and repair methods for brake systems.

AUTI 141 Engine Fundamentals and Repair

3 Credits

Prerequisites/Co-requisites: AUTI 100.

This course focuses on repair techniques for today's engines. The course will utilize precision measuring tools, specialized tools and equipment, and emphasize following prescribed procedures needed to properly repair today's modern engine. This course also presents engine theory and operation and studies the various engine designs utilized today. In addition, this course will prepare students to take a nationally recognized certification exam.