

COURSE LISTINGS BY DEPARTMENTS/PATHWAYS

Course Name	Grade Level	# Sem	Pre-Req	CTE Concentrator	Science Credit	Directed Elective	Course Numbers	
							SEM 1	SEM 2
CAREER & TECHNICAL EDUCATION (CTE)								
Agriculture								
>Natural Resources (Perkins V) (AGRI 115 - Ivy Tech)	12	2		X	X	X	5180F	5180S
>Sustainable Energy Alternatives (Perkins V)	12	2	X	X		X	5229F	5229S
Principles of Agriculture (NLPS)	9-11	2		X		X	7117F	7117S
Animal Science (NLPS)	10-12	2	X	X		X	5008F	5008S
Plant and Soil Science (NLPS)	10-12	2	X	X		X	5170F	5170S
Food Science (NLPS)	10-12	2	X	X		X	5102F	5102S
Advanced Life: Animals (NLPS)	10-12	2	X	X		X	5070F	5070S
Audio/Visual								
Commercial Photography (Perkins V)	12	2		X		X	5570F	5570S
Graphic Design & Layout (Perkins V) AND (NLPS)	12	2	X	X		X	5550F	5550S
Principles of Broadcasting (NLPS)	9-11	2		X		X	7139F	7139S
Audio & Video Production Essentials (NLPS)	10-12	2	X	X		X	7306F	7306S
Mass Media Production (NLPS)	10-12	2	X	X		X	7307F	7307S
Principles of Digital Design (NLPS)	9-11	2		X		X	7140F	7140S
Digital Design Graphics (NLPS)	10-12	2	X	X		X	7141F	7141S
Professional Photography & Videography (NLPS)	11-12	2	X	X		X	7136F	7136S
Radio and Television II (DCTV 3-4) (Perkins V)	12	2	X	X		X	5992F	5992S
Business								
Principles of Business Management (NLPS)	9-11	2		X		X	4562F	4562S
Marketing Fundamentals (NLPS)	10-12	2	X	X		X	5914F	5914S
Strategic Marketing (NLPS)	11-12	2	X	X		X	5918F	5918S
Personal Financial Responsibility	11-12	1				X	4540	
Computer Science								
Principles of Computing (NLPS)	9-11	2		X		X	7183F	7183S
Website and Database Development	10-12	2	X	X		X	7185F	7185S
Software Development	10-12	2	X	X		X	7184F	7184S
Construction								
Principles of Construction (NLPS)	9-11	2		X		X	7130F	7130S
General Carpentry (NLPS)	10-12	2	X	X		X	7123F	7123S
Framing & Finishing (NLPS)	10-12	2	X	X		X	7122F	7122S
Electrical Fundamentals	10-12	2	X	X		X	7124F	7124S
Advanced Electrical	11-12	2	X	X		X	7119F	
Criminal Justice								
Criminal Justice II (Perkins V)	12	2	X	X		X	5824F	5824S
Principles of Criminal Justice (NLPS)	9-11	2		X		X	7193F	7193S
Law Enforcement Fundamentals (NLPS)	10-12	2	X	X		X	7191F	7191S
Corrections & Cultural Awareness (NLPS)	10-12	2	X	X		X	7188F	7188S
Education								
Early Childhood Education II (Perkins V)	11-12	2	X	X		X	5406F	5406S
Education Professions II (Perkins V)	12	2	X	X		X	5404F	5404S
Principles of Early Childhood Education (NLPS)	9-11	2		X		X	7160F	7160S
Early Childhood Education Curriculum (NLPS)	10-12	2	X	X		X	7158F	7158S
Principles of Teaching (NLPS)	9-11	2		X		X	7161F	7161S
Child and Adolescent Development (NLPS)	10-12	2	X	X		X	7157F	7157S
Cadet Teaching	12	2	X				0502F	0502S
Engineering & Technology								
Introduction to Engineering Design (NLPS)	9-11	2		X		X	4802F	4802S
***Intro to Engineering Design w/Geometry (NT only) (NLPS)	9-11	2		X		X	4802NF	4802NS
Principles of Engineering (PLTW) (NLPS)	10-12	2	X	X		X	5644F	5644S
Civil Engineering and Architecture (PLTW) (NLPS)	11-12	2	X	X		X	5650F	5650S

Environmental Sustainability (PLTW) (NLPS)	11-12	2	X	X		X	4818F	4818S
Engineering Design & Development (Capstone)	12	2	X	X		X	5698F	5698S
Principles of Industry 4.0 - Smart Manufacturing (NLPS)	9-11	2		X		X	7220F	7220S
Robotics Design & Innovation (NLPS)	10-12	2	X	X		X	4728F	4728S
Smart Manufacturing Systems (NLPS)	10-12	2	X	X		X	7100F	7100S
Exercise Science								
Principles of Exercise Science	9-11	2		X		X	7320F	7320S
Kinesiology	10-12	2	X	X		X	7321F	7321S
Human Performance	10-12	2	X	X		X	7322F	7322S
Health Sciences								
Principles of Biomedical Sciences (PLTW)	9-10	2		X	X	X	5218F	5218S
Human Body Systems (PLTW)	10-12	2	X	X	X	X	5216F	5216S
Medical Interventions (PLTW)	11-12	2	X	X	X	X	5217F	5217S
Biomedical Innovation (PLTW)	12	2	X	X	X	X	5219F	5219S
Anatomy & Physiology	10-12	2	X			X	5276F	5276S
DEPARTMENTS								
English								
English 9	9	2					1002F	1002S
English 9 Honors	9	2					1002HF	1002HS
English 10	10	2					1004F	1004S
***English 10 Global Studies (NT only)	10	1					1004NF	1004NS
English 10 Honors	10	2					1004HF	1004HS
***English 10 Honors Global Studies (NT only)	10	2					1004ZF	1004ZS
***English 10 (CHOICE only)	10	2					1004CF	1004CS
English 11	11	2					1006F	1006S
***English 11 Social Action (CHOICE only)	11	2					1006CF	1006CS
***English 11 American Studies (NT only)	11	2					1006NF	1006NS
***English 11 Honors American Studies (NT only)	11	2					1006ZF	1006ZS
English 11 Honors	11	2					1006HF	1006HS
AP English Language & Composition	11-12	2					1056F	1056S
English 12	12	2					1008F	1008S
English 12 Ethnic Literature (CHOICE only)	12	2					1032CF	
English 12 World Literature (CHOICE only)	12	2						1052CS
English 12 Honors	12	2					1008HF	1008HS
AP English Literature & Composition	12	2					1058F	1058S
English Electives								
Themes in Literature	11-12	1					1048F	1048S
Advanced Composition	10-12	1						1098
Creative Writing	9-12	1					1092	1092
Novels	9-12	1					1042	1042
Film Literature	9-12	1					1034	1034
Speech	10-12	1					1076	1076
Student Media: Yearbook	10-12	2	X				1086F	1086S
Language Arts Lab	10-12	2					1010F	1010S
English as a New Language I	9-12	2					1012F	1012S
English as a New Language II	9-12	2					1012F2	1012S2
English as a New Language III	9-12	2					1012F3	1012S3
English as a New Language IV	9-12	2					1012F4	1012S4
Resource ENL	9-12	2					1013F	1013S
Fine Arts								
Visual Art								
Advanced Ceramics	10-12	1	X			X	4040A	4040A
Advanced Three-Dimensional Art	10-12	1	X			X	4006	4006
Advanced Two-Dimensional Art	9-12	1	X			X	4004	4004
Ceramics	10-12	1				X	4040	4040

Introduction to Two-Dimensional Art	9-12	1			X	4000	4000
Introduction to Three-Dimensional Art	10-12	1			X	4002	4002
Painting 1	9-12	1			X	4064	4064
Painting 2	10-12	1	X		X	40642	40642
Painting 3	10-12	1	X		X	40643	40643
Painting 4	10-12	1	X		X	40644	40644
Photography	9-12	1			X	4062	4062
Chorus							
Beginning Chorus (Cadet-Concert)	9-12	2			X	4182CF	4182CS
Beginning Chorus (Varsity-Chamber)	9-12	2	X		X	4182VF	4182VS
Beginning Chorus (New Direction)	10-12	2	X		X	4182DF	4182DS
Beginning Chorus (Expressions)	9-12	2			X	4182EF	4182ES
Beginning Chorus (Goldenaires)	9-12	2			X	4182GF	4182GS
Intermediate Chorus (Cadet-Concert)	10-12	2	X		X	4186CF	4186CS
Intermediate Chorus (Varsity-Chamber)	10-12	2	X		X	4186VF	4186VS
Intermediate Chorus (New Direction)	10-12	2	X		X	4186DF	4186DS
Intermediate Chorus (Expressions)	10-12	2	X		X	4186EF	4186ES
Intermediate Chorus (Goldenaires)	10-12	2	X		X	4186GF	4186GS
Advanced Chorus (Expressions)	10-12	2	X		X	4188EF	4188ES
Advanced Chorus (Goldenaires)	10-12	2	X		X	4188GF	4188GS
Band							
Advanced Concert Band (Wind Ensemble)	10-12	2	X		X	4170F	4170S
Advanced Concert Band (Instrumental Ensemble-Percussion)	10-12	2	X		X	4170IF	4170IS
Advanced Concert Band (Jazz Ensemble)	10-12	2	X		X	4170JF	4170JS
Advanced Concert Band (Dance Performance-Guard)	10-12	2	X		X	4170DF	4170DS
Beginning Concert Band (Wind Ensemble)	9-12	2			X	4160F	4160S
Beginning Concert Band (Instrumental Ensemble-Percussion)	9-12	2			X	4160IF	4160IS
Beginning Concert Band (Dance Performance-Guard)	9-12	2	X		X	4160DF	4160DS
Intermediate Concert Band (Wind Ensemble)	10-12	2	X		X	4168F	4168S
Intermediate Concert Band (Instrumental Ensemble-Percussion)	10-12	2	X		X	4168IF	4168IS
Intermediate Concert Band (Jazz Ensemble)	10-12	2	X		X	4168JF	4168JS
Intermediate Concert Band (Dance Performance-Guard)	10-12	2	X		X	4168DF	4168DS
Music Theory	9-12	1			X	4208	4208
Theatre							
Advanced Technical Theatre	11-12	2	X		X	4252F	4252S
Advanced Theatre Arts	11-12	2	X		X	4240F	4240S
Technical Theatre	10-12	1			X	4244	4244
Theatre Arts	9-12	1			X	4242	
Theatre Arts II	10-12	2	x		X	4242F	4242S
Theatre Production	9-12	1			X		4248
Health and Physical Education							
Physical Education I	9-12	1				3542	
Physical Education II	9-12	1					3544
Health and Wellness Education	9-12	1				3506	3506
Elective PE (Adv Physical Conditioning)	9-12	1 or 2	X			3560F	3560S
Elective PE (Physical Fitness)	10-12	1	X			3560P	3560P
Elective PE (Lifeguarding)	10-12	1	X				
Mathematics							
Algebra I	9-12	2				2520F	2520S
Algebra II	9-12	2				2522F	2522S
Algebra II Honors	10-12	2	X			2522HF	2522HS
Analytical Algebra II	12	2	X			2524F	2524S
AP Calculus AB	11-12	2	X			2562F	2562S
AP Calculus BC	12	2	X			2572F	2572S
AP Statistics	11-12	2	X			2570F	2570S

Finite Mathematics	12	2	X				2530F	2530S
Geometry	9-12	2	X				2532F	2532S
Geometry Honors	9	2	X				2532HF	2532HS
***Geometry w/IED (NT only)	9-11	2	X				2532NF	2532NS
***Geometry Honors w/IED (NT only)	9-11	2	X				2532ZF	2532ZS
Algebra I Lab	9-12	1 or 2					2516F	2516S
Pre-Calculus	11-12	1	X				2564	
>Pre-Calculus Honors: College Algebra (MATH - IU)	11-12	1	X				2564H	
Trigonometry	11-12	1	X					2566
>Trigonometry Honors: College Algebra (MATH - IU)	11-12	1	X					2566H
Dual Credit Math								
>Finite Math (MATH 135 - Ivy Tech)	12	2	X				2530HF	2530HS
Multidisciplinary								
Career Information and Exploration (JAG)	11	2					0509F	0509S
Career Information and Exploration (JAG)	12	2					0509F2	0509S2
***Community Service Social Action (CHOICE only)	11	2					0524F	0524S
Credit Recovery	1-12	1 or 2					1000F	1000S
Science								
Anatomy & Physiology	10-12	2	X		X	X	5276F	5276S
Adv Science, Special Topics (Forensic Science)	11-12	2	X		X		3092F	3092S
Biology I	9	2			X		3024F	3024S
***Biology I BioLit (NT only)	9	2			X		3024NF	3024NS
Biology I Honors	9	2	X		X		3024HF	3024HS
***Biology I Honors BioLit (NT only)	9	2	X		X		3024ZF	3024ZS
Biology II, Zoology	10-12	2	X		X		3026ZF	3026ZS
Biology II: Special Topics	11-12	2	X		X		3026F	3026S
Chemistry I	10-12	2	X		X		3064F	3064S
Environmental Science	11-12	2	X		X		3010F	3010S
***Environmental Science (CHOICE only)	10	2	X				3010CF	3010CS
Earth Space Science	11-12	1 or 2			X		3044F	3044S
Integrated Chemistry-Physics	10-12	2			X		3108F	3108S
Physics I	10-12	2	X		X		3084F	3084S
Dual Credit Science								
>Biology I-Molecular & Cellular Processes (BIOL 105 - Ivy Tech)	10-12	2	X		X		3020HF	3020HS
>General Chemistry I (CHEM 105 - Ivy Tech)	11-12	1	X		X		3060HF	3060HS
Social Studies								
Economics	12	1					1514	1514
***Economics PEP (CHOICE only)	12	1						1514CS
AP European History	10-12	2					1556F	1556S
Government	12	1					1540	1540
***Government PEP (CHOICE only)	12	1					1540CF	
AP United States Government and Politics	12	1					1560	
AP Microeconomics	12	1						1566
***State and Local Government (CHOICE only)	12	1						1536CS
***Topics in Social Sciences	12	1					1550CF	
United States History	11	2					1542F	1542S
***United States History American Studies (NT only)	11	2					1542NF	1542NS
AP United States History	11	2					1562F	1562S
World History and Civilization	9	2					1548F	1548S
World History and Civilization Honors	9	2					1548HF	1548HS
***World History and Civilization Global Studies (NT only)	10	2					1548NF	1548NS
***World History and Civilization Honors Global Studies (NT only)	10	2					1548ZF	1548ZS
Personal Financial Responsibility	11-12	1						
Social Studies Electives								
Psychology	10-12	1					1532	1532

AP Psychology	11-12	2					1558F	1558S
Sociology	10-12	1					1534	1534
Topics in History (History vs Hollywood)	10-12	1					1538HH	
Topics in History (History vs Hollywood 2)	10-12	1						1538H2
World Language								
Latin I	9-12	2					2080F	2080S
Latin II	10-12	2	X				2082F	2082S
Latin III	11-12	2	X				2084F	2084S
Latin IV	12	2	X				2086F	2086S
Spanish I	9-12	2					2120F	2120S
Spanish II	10-12	2	X				2122F	2122S
Spanish III	11-12	2	X				2124F	2124S
>Spanish III (SPAN 101/102 - Ivy Tech)	11-12	2	X				2124HF	2124HS
>Spanish IV (SPAN 201/202 - Ivy Tech)	11-12	2	X				2126F	2126S
AP Spanish Language and Culture	12	2	X				2132F	2132S
Dual Credit								
>Biology I-Molecular & Cellular Processes (BIOL 105 - Ivy Tech)	10-12	2	X		X		3020HF	3020HS
>General Chemistry I (CHEM 105 - Ivy Tech)	11-12	2	X		X		3060HF	3060HS
>Finite Math (MATH 135 - Ivy Tech)	12	2	X				2530HF	2530HS
>Spanish III (SPAN 101/102 - Ivy Tech)	11-12	2	X			X	2124HF	2124HS
>Spanish IV (SPAN 201/202 - Ivy Tech)	11-12	2	X			X	2126F	2126S
>Natural Resources (AGRI 115 - Ivy Tech)	12	2		X	X	X	5180F	5180S
>Sustainable Energy Alternatives (Perkins V)	12	2	X	X		X	5229F	5229S