

Biomedical and Health Science

	Biomedical Science	Biomedical and Health Technology		Health Services - Nursing	Health Services - Dental
Level of Education	4 Year and Advanced Degrees	4 Year Degree	2 Year Degree or Certification	2 Year Degree or Certification	2 Year Degree or Certification
Careers	Medical Doctor Medical Researcher Veterinarian Pharmacist Dentist Physician Assistant Physical Therapist Epidemiologist Optometrist	Registered Nurse (BSN) Athletic Trainer Dietitian/Nutritionist Medical Lab Technologist Health Care Social Worker Respiratory Therapist Occupational Therapist Radiology Technologist	Registered Nurse (ASN) Medical Assistant Pharmacy Technician Medical Lab Technician Emergency Medical Technician (EMT) Surgical Assistant Occupational/Physical Therapy Asst.	Certified Nursing Assistant (CNA) Registered Nurse (ASN)	Dental Hygienist Dental Assistant
Major/Area of Concentration	Biology Chemistry Molecular Biology Biochemistry Zoology Animal Science	Nursing Exercise Science Public Health Fitness and Wellness Kinesiology Nutrition Science	Career-Specific Certification Career-Specific Associates Degree	Career-Specific Certification Career-Specific Associates Degree	Career-Specific Certification Career-Specific Associates Degree

Area of Study: Biomedical Science

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors <i>or</i> English 9	English 10 Honors <i>or</i> English 10	AP Language <i>or</i> English 11	W131 and IU Speech <i>or</i> English 12: CCR Bridge	
Math	Algebra I Honors <i>or</i> Algebra I and Geometry	Algebra II Honors <i>or</i> Algebra II and PreCalculus/Trigonometry	AP Calculus AB	AP Calculus BC	
Social Studies	AP World History: Modern <i>or</i> World History		AP US History <i>or</i> US History	AP Economics <i>or</i> Economics	AP Government <i>or</i> Government.
Science	Biology I Honors <i>or</i> Earth/Space Science	Chemistry I <i>or</i> Biology I and Chemistry I	AP Biology	AP Chemistry	
Pathway/CTE	Principles of Biomedical Science	Human Body Systems	Medical Interventions	Biomedical Innovation	
Other Required Courses	Spanish II <i>or</i> Spanish I	Spanish III <i>or</i> Spanish II	Spanish III		
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 <i>or</i> Weights PE1 and Weights PE 2	Intro to 2D Art and Additional Visual Arts Class <i>or</i> Band, Theatre, or Choir (2 credits)			
Suggested Electives		AP Psychology	Etymology	AP Physics	

Area of Study: Biomedical and Health Technology

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB** or PreCalculus/Trigonometry	AP Calculus AB**	
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Biology or Chemistry I	AP Biology	
Pathway/CTE	Principles of Biomedical Science	Human Body Systems	Medical Interventions	Biomedical Innovation	
Other Required Courses*	Spanish II or Spanish I	Spanish III** Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives		AP Psychology	Spanish III**	AP Chemistry**	
Suggested Electives			Etymology	AP Physics**	

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Health Services - Nursing

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9	English 10	English 11	English 12: CCR Bridge
Math	Algebra I	Geometry	Algebra II	PreCalculus/Trigonometry
Social Studies	World History	US History		Economics Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics or Chemistry I	
Pathway/CTE			Health Science I: Nursing (C4)	Health Science II: Nursing (C4)
Other Required Courses*	Spanish I	Spanish II	Human Body Systems	
Other Required Courses	Prep for College/Careers	Health		
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2			
Suggested Electives		Principles of Biomedical Science	Etymology	Medical Interventions
Suggested Electives				AP Biology
Suggested Electives				

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Area of Study: Health Services - Dental

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9	English 10	English 11	English 12: CCR Bridge
Math	Algebra I	Geometry	Algebra II	PreCalculus/Trigonometry
Social Studies	World History	US History		Economics Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics or Chemistry I	
Pathway/CTE			Dental Services I (C4)	Dental Services II (C4)
Other Required Courses*	Spanish I	Spanish II	Human Body Systems	
Other Required Courses	Prep for College/Careers	Health		
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2			
Suggested Electives		Principles of Biomedical Science	Etymology	Medical Interventions
Suggested Electives				AP Biology
Suggested Electives				

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Agriculture and Animal Science

	Agriculture	Veterinary Technology
Level of Education	Varies by Area	Varies by Area
Careers	Logging Forest and Conservation Worker Soil and Plant Scientist	Veterinary Assistant Veterinary Technician
Major/Area of Concentration	Turf Management Agribusiness Agricultural Economics Crop Science Horticulture Landscape Architecture Plant Studies Forestry Animal Science Farm Management	Veterinary Assistant Veterinary Technician

Area of Study: Agriculture

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9	English 10	English 11	English 12: CCR Bridge
Math	Algebra I	Geometry	Algebra II	PreCalculus/Trigonometry
Social Studies	World History	US History		Economics Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics or Chemistry I	
Pathway/CTE			Advanced Life Science: Animals (C4)	Agribusiness Management (C4)
Other Required Courses*	Spanish I	Spanish II		
Other Required Courses	Prep for College/Careers	Health		
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2			
Suggested Electives	Introduction to Accounting	Principles of Business Management	Human Body Systems	AP Chemistry**
Suggested Electives			AP Biology**	AP Calculus AB**
Suggested Electives			AP Environmental Science**	AP Economics**

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Veterinary Technology

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9	English 10	English 11	English 12: CCR Bridge	
Math	Algebra I	Geometry	Algebra II	PreCalculus/Trigonometry	
Social Studies	World History	US History		Economics	Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics or Chemistry I		
Pathway/CTE			Veterinary Careers I (C4)	Veterinary Careers II (C4)	
Other Required Courses*	Spanish I	Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives			Human Body Systems	Medical Interventions	
Suggested Electives			AP Biology**	AP Chemistry**	
Suggested Electives				AP Calculus AB**	

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**Suggested coursework for some majors at 4-year colleges

Construction and Skilled Trades

	Architecture Drafting	Construction Trades	Welding	Auto Services Technology	Precision Machining
Level of Education	Varies per Career	Varies per Career	Varies per Career	Varies per Career	Varies per Career
Careers	Architectural Drafting Technician Civil Engineering Technician Surveyors Construction Manager	Carpenter Construction Laborer Structural Iron and Steel Workers Roofer HVAC Technician	Welder Boilermaker Plumber Pipefitters Steamfitters	Autobody Technician Automotive Painter Automotive Glass Technician Heavy Equipment Mechanic Motorcycle Mechanic Diesel Mechanic	Machinist Millwright CNC Operator CNC Programmer
Major/Area of Concentration	Architectural Engineering Architecture Drafting Construction Management Career-specific certification Career-specific trades program	Career-Specific Certification Career-Specific Trades Program	Career-Specific Certification Career-Specific Trades Program	Career-Specific Certification Career-Specific Trades Program	Career-specific certification Career-specific trades program

Area of Study: Construction Trades

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9	English 10	English 11	Technical Communications and Film Literature, Etymology, or Creative Writing
Math	Algebra I	Geometry	Algebra II	
Social Studies	World History	US History		Economics Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics	
Pathway/CTE			Construction Trades I (C4)	Construction Trades II (C4)
Other Required Courses	Prep for College/Careers	Health		
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2			
Suggested Electives				

Area of Study: Welding

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9	English 10	English 11	Technical Communications and Film Literature, Etymology, <i>or</i> Creative Writing	
Math	Algebra I	Geometry	Algebra II		
Social Studies	World History	US History		Economics	Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics		
Pathway/CTE			Welding I (C4)	Welding II (C4)	
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 <i>or</i> Weights PE1 and Weights PE 2				
Suggested Electives					

Area of Study: Architecture Drafting

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9	English 10	English 11	English 12: CCR Bridge
Math	Algebra I	Geometry	Algebra II	PreCalculus/Trigonometry
Social Studies	World History	US History		Economics Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics	
Pathway/CTE			Architecture Drafting and Design I (C4)	Architecture Drafting and Design II (C4)
Other Required Courses	Prep for College/Careers	Health		
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2			
Suggested Electives				

Area of Study: Auto Services Technology

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9	English 10	English 11	Technical Communications and Film Literature, Etymology, or Creative Writing
Math	Algebra I	Geometry	Algebra II	
Social Studies	World History	US History		Economics Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics	
Pathway/CTE			Automotive Services Technology I (C4)	Automotive Services Technology II (C4)
Other Required Courses	Prep for College/Careers	Health		
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2			
Suggested Electives				

Area of Study: Precision Machining

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9	English 10	English 11	Technical Communications and Film Literature, Etymology, or Creative Writing
Math	Algebra I	Geometry	Algebra II	
Social Studies	World History	US History		Economics Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics	
Pathway/CTE			Precision Machining I (C4)	Precision Machining II (C4)
Other Required Courses	Prep for College/Careers	Health		
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2			
Suggested Electives				

Engineering and Advanced Manufacturing

	Engineering	Engineering Technology	Manufacturing	Automation and Robotics
Level of Education	4 Year and Advanced Degrees	4 Year Degree	2 Year Degree or Certification	2 Year Degree or Certification
Careers	Mechanical Engineer Electrical Engineer Civil Engineer Chemical Engineer Aerospace Engineer Environmental Engineer Biomedical Engineer	Aerospace Engineering and Operations Technicians Civil Engineering Technicians Electrical and Electronics Engineering Technicians Industrial Engineering Technicians Mechanical Engineering Technician	Tool and Die Makers Production Coordinators Quality Assurance Technician Maintenance/Repair Technician Assembler/Fabricator	Robotics Technician Electro-mechanical Technicians Computer-Controlled Machine Operators CNC Machine Programmer
Major/Area of Concentration	Mechanical Engineering Chemical Engineering Electrical Engineering Civil Engineering Environmental Engineering Biomedical Engineering	Mechanical Engineering Technology Electrical Engineering Technology Industrial Technology Engineering Computer Engineering Technology Aeronautical Engineering Technology	Manufacturing Production and Operations Industrial Technology	Advanced Automation and Robotics Technology Industrial Technology

Area of Study: Engineering

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II and PreCalculus/Trigonometry	AP Calculus AB	AP Calculus BC	
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I and Chemistry I	AP Chemistry	AP Physics	
Pathway/CTE*					
Other Required Courses	Spanish II or Spanish I	Spanish III or Spanish II	Spanish III		
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2	Intro to 2D Art and Additional Visual Arts Class or Band, Theatre, or Choir (2 credits)			
Suggested Electives			Advanced Manufacturing I: Eagle Manufacturing	Advanced Manufacturing II: Eagle Manufacturing	
Suggested Electives	Introduction to Engineering Design	Principles of Engineering	Computer Integrated Manufacturing	Engineering Design and Development	

*Pathway requirement fulfilled by Academic Honors Diploma

Area of Study: Engineering Technology

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB** or PreCalculus/Trigonometry	AP Calculus BC or AP Calculus AB**	
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Chemistry or Chemistry I	AP Physics	
Pathway/CTE	Introduction to Engineering Design	Principles of Engineering	Computer Integrated Manufacturing	Engineering Design and Development	
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives			Spanish III**	AP Chemistry**	
Suggested Electives			Technical Communications	AP Calculus BC**	
Suggested Electives			Advanced Manufacturing I: Eagle Manufacturing	Advanced Manufacturing II: Eagle Manufacturing	

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Manufacturing

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9	English 10	English 11	Technical Communications
Math	Algebra I	Geometry	Algebra II	PreCalculus/Trigonometry
Social Studies	World History	US History		Economics Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics or Chemistry I	
Pathway/CTE			Advanced Manufacturing I; Eagle Manufacturing	Advanced Manufacturing II; Eagle Manufacturing
Other Required Courses*	Spanish I	Spanish II		
Other Required Courses	Prep for College/Careers	Health		
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2			
Suggested Electives				

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Area of Study: Automation and Robotics

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9	English 10	English 11	Technical Communications	
Math	Algebra I	Geometry	Algebra II		
Social Studies	World History		U.S. History	Economics	Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics		
Pathway/CTE			Industrial Automation and Robotics I	Industrial Automation and Robotics II	
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives					

Computer Science

	Computer Science	Computer Information and Technology	Computer Information and Networking
Level of Education	4 Year and Advanced Degrees	4 Year Degree	Varies by Area
Careers	Video Game Designer Computer Programmer Computer Systems Analyst Computer Engineering Security Software Developer Computer Forensics Analyst	Web Developer Web Administrator Systems Software Developer Computer Network Architect Computer Programmer Business Intelligence Analyst Applications Software Developer Cybersecurity Architect	Data Warehousing Specialist Network Support Specialist Database Administrator
Major/Area of Concentration	Computer Science Computer Engineering	Cybersecurity Computer Information Technology UX Design Network Engineering Technology Data Science Informatics Intelligent Systems Engineering Web Programming and Design Game Development and Design Systems and Analysis and Design	Digital Forensics Network Penetration Network Security Data Analytics Database Administration Database Development IT Help/Support Web Application Development Java Application

Area of Study: Computer Science

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors <i>or</i> English 9	English 10 Honors <i>or</i> English 10	AP Language <i>or</i> English 11	W131 and IU Speech <i>or</i> English 12: CCR Bridge	
Math	Algebra I Honors <i>or</i> Algebra I and Geometry	Algebra II Honors <i>or</i> Algebra II and PreCalculus/Trigonometry	AP Calculus AB	AP Calculus BC	
Social Studies	AP World History: Modern <i>or</i> World History		AP US History <i>or</i> US History	AP Economics <i>or</i> Economics	AP Government <i>or</i> Government
Science	Biology I Honors <i>or</i> Earth/Space Science	Chemistry I <i>or</i> Biology I and Chemistry I	AP Physics <i>or</i> AP Chemistry	AP Physics <i>or</i> AP Chemistry	
Pathway/CTE		Computer Science 1 <i>or</i> AP Computer Science	Computer Science 2	Computer Science 3	
Other Required Courses*	Spanish II <i>or</i> Spanish I	Spanish III <i>or</i> Spanish II	Spanish III		
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 <i>or</i> Weights PE1 and Weights PE 2	Intro to 2D Art and Additional Visual Arts Class <i>or</i> Band, Theatre, or Choir (2 credits)			
Suggested Electives					

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Area of Study: Computer and Information Technology

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB** or PreCalculus/Trigonometry	AP Calculus BC** AP Calculus AB**	
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Physics or Chemistry I		
Pathway/CTE		Computer Science I	Computer Science 2	Computer Science 3	
Other Required Courses*	Spanish II or Spanish I	Spanish III* or Spanish II			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives		Introduction to Accounting**	Principles of Business Management**	AP Physics** or AP Chemistry**	
Suggested Electives			Spanish III**	AP Economics**	
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Computer Information and Networking

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9	English10	English 11	English 12: CCR Bridge
Math	Algebra I	Geometry	Algebra II	PreCalculus/Trigonometry
Social Studies	World History	US History		Economics Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics or Chemistry I	
Pathway/CTE			Networking I (C4)	Networking II (C4)
Other Required Courses*	Spanish I	Spanish II		
Other Required Courses	Prep for College/Careers	Health		
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2			
Suggested Electives	Computer Science I	Information Technology Support		
Suggested Electives		Technical Communicaton		
Suggested Electives				

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Business

	Business	Accounting
Level of Education	Varies by Area	Varies by Area
Careers	Sales Associate Human Resource Specialist Purchasing Manager Marketing Specialist Supply Chain Manager Loan Officer Real Estate Appraiser/Assessor Project Manager Brand Manager Analyst Corporate Office Manager Investment Specialist Advertising	Accountant Bookkeeper Auditing Clerk Budget Analyst Financial Advisor/Analyst Certified Public Accountant Bank Manager
Major/Area of Concentration	Finance Management Marketing Economic Consulting Entrepreneurship and Corporate Innovation Economics Operations Management Professional Sales Business Administration Public Policy Analysis Supply Chain Management Real Estate	Accounting Finance

Area of Study: Business

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors <i>or</i> English 9	English 10 Honors <i>or</i> English 10	AP Language <i>or</i> English 11	W131 and IU Speech <i>or</i> English 12: CCR Bridge	
Math	Algebra I Honors <i>or</i> Algebra I and Geometry	Algebra II Honors <i>or</i> Algebra II	AP Calculus AB** <i>or</i> PreCalculus/Trigonometry	AP Calculus AB**	
Social Studies	AP World History: Modern <i>or</i> World History		AP US History <i>or</i> US History	AP Economics** <i>or</i> Economics	AP Government <i>or</i> Government
Science	Biology I Honors <i>or</i> Earth/Space Science	Chemistry I <i>or</i> Biology I	AP Environmental Science <i>or</i> Integrated Chemistry-Physics		
Pathway/CTE		Introduction to Accounting	Principles of Business Management	Entrepreneurship	
Other Required Courses*	Spanish II <i>or</i> Spanish I	Spanish III** <i>or</i> Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 <i>or</i> Weights PE1 and Weights PE 2				
Suggested Electives			Spanish III**		
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Accounting

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB** or PreCalculus/Trigonometry	AP Calculus AB**	
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics ** or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE		Introduction to Accounting	Principles of Business Management	Advanced Accounting	
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives			Spanish III**		
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Civic Arts and Communication

	Vocal Music	Instrumental Music	Theatre	Visual Art	Graphic Design	Multimedia Communication
Level of Education						
Careers	Musician Singer Music Therapy/Rehabilitation	Musician Music Therapy/Rehabilitation	Actor Agents of Artists, Performers, and Athletes Costume Attendant Choreographers Producers Theatrical Makeup Artist Scene Designer Lighting Designer	Craft Artist Photographers Floral Designer	Logo Designer Website Designer Product Illustrator Creative Director User Interface Designer Advertising Designer Photo Editor	Broadcasting Internet Publishing Telecommunications Motion Picture and Sound Recording Film and Video Editor Sound Engineering Technician
Major/Area of Concentration	Music Rehabilitation and Therapeutic Professions Music Education	Music Rehabilitation and Therapeutic Professions Music Education	Dance Visual and Performing Arts Drama/Theatre Arts and Stagecraft	Film/Video and Photographic Arts Publishing	Environmental Design Fine and Studio Arts Graphic Communication	Arts, Entertainment, and Media Management

Area of Study: Vocal Music

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors <i>or</i> English 9	English 10 Honors <i>or</i> English 10	AP Language <i>or</i> English 11	W131 and IU Speech or L202 <i>or</i> English 12: CCR Bridge	
Math	Algebra I Honors <i>or</i> Algebra I and Geometry	Algebra II Honors <i>or</i> Algebra II	AP Calculus AB <i>or</i> PreCalculus/Trigonometry		
Social Studies	AP World History: Modern <i>or</i> World History		AP US History <i>or</i> US History	AP Economics <i>or</i> Economics	AP Government <i>or</i> Government
Science	Biology I Honors <i>or</i> Earth/Space Science	Chemistry I <i>or</i> Biology I	AP Environmental Science <i>or</i> Integrated Chemistry-Physics		
Pathway/CTE (Six credits required)	Beginning Chorus	Beginning Chorus <i>or</i> Intermediate Chorus	Intermediate Chorus <i>or</i> Advanced Chorus	Advanced Chorus	
Other Required Courses*	Spanish II <i>or</i> Spanish I	Spanish III** <i>or</i> Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 <i>or</i> Weights PE1 and Weights PE 2				
Suggested Electives			Spanish III**		
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Instrumental Music

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or L202 or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB or PreCalculus/Trigonometry		
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE (Six credits required)	Beginning Concert Band	Beginning Concert Band or Intermediate Concert Band	Intermediate Concert Band or Advanced Concert Band	Advanced Concert Band	
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives			Spanish III**		
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Theatre

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB or PreCalculus/Trigonometry		
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE (Six credits required)	Theatre Arts	Advanced Theatre Arts	Advanced Acting	Theatre Arts: Special Topics or Musical Theatre	
	Technical Theatre	Advanced Technical Theatre	Theatre Production	Theatre Production or Lighting and Sound	
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives			Spanish III**		
Suggested Electives				Film Literature	
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Visual Art

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or L202 or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB or PreCalculus/Trigonometry		
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE (Six credits required; all courses in this pathway are one credit)	Intro to 2D Art and 1 credit of the following:	2 Credits of the following: Photography 1, 2	2 Credits of the following: Photography 1, 2, 3	2 Credits of the following: Photography 1, 2, 3	
	Photography 1	Ceramics 1, 2	Ceramics 1, 2, 3	Ceramics 1, 2, 3	
	Ceramics 1	Drawing 1, 2	Drawing 1, 2, 3	Drawing 1, 2, 3	
	Drawing 1	Sculpture 1, 2	Sculpture 1, 2, 3	Sculpture 1, 2, 3	
	Sculpture 1	Painting 1, 2	Painting 1, 2, 3	Painting 1, 2, 3	
	Painting 1	Visual Communication	Visual Communication	Visual Communication	
	Visual Communication				
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives			Spanish III**		
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Graphic Design

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors <i>or</i> English 9	English 10 Honors <i>or</i> English 10	AP Language <i>or</i> English 11	W131 and IU Speech or L202 <i>or</i> English 12: CCR Bridge	
Math	Algebra I Honors <i>or</i> Algebra I and Geometry	Algebra II Honors <i>or</i> Algebra II	AP Calculus AB <i>or</i> PreCalculus/Trigonometry		
Social Studies	AP World History: Modern <i>or</i> World History	AP US History <i>or</i> US History		AP Economics <i>or</i> Economics	AP Government <i>or</i> Government
Science	Biology I Honors <i>or</i> Earth/Space Science	Chemistry I <i>or</i> Biology I	AP Environmental Science <i>or</i> Integrated Chemistry-Physics		
Pathway/CTE			Graphic Design and Layout (C4)	Graphic Imaging Technology (C4)	
Other Required Courses*	Spanish II <i>or</i> Spanish I	Spanish III** <i>or</i> Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 <i>or</i> Weights PE1 and Weights PE 2				
Suggested Electives			Spanish III**		
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Multimedia Communications

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB or PreCalculus/Trigonometry		
Social Studies	AP World History: Modern or World History	AP US History or US History		AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE			Radio and Television I (C4)	Radio and Television II (C4)	
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives			Spanish III		
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Human Services

	Education Professions	Early Childhood Education	Cosmetology	Culinary Arts	Hospitality and Tourism	Criminal Justice
Level of Education	4 year degree	Varies by Area	Varies by Area	Varies by Area	Varies by Area	Varies by Area
Careers	Elementary School Teacher Secondary School Teacher Guidance Counselor Special Education Teacher School Administrator	Preschool Teacher Childcare Worker Childcare Director Day Care Owner	Esthetician Hairstylist Nail Professional Barber Salon/Spa Owner Massage Therapist Makeup Artist	Restaurant Chef Personal Chef Caterer Baking and Pastry Chef Food Service Manager Restaurant Manager	Travel Agent Hotel Administrator Lodging Manager Concierge Event Planner Entertainment Manager	Police Officer Parole Officer Paralegal Criminal Investigator Conservation Officer Federal Agent Corrections Officer Private Investigator
Major/Area of Concentration	Early Childhood Education Secondary Education Counseling and Student Services Special Education Elementary Education	Early Childhood Education	Cosmetology Barbering Esthetics Nails Makeup Massage Therapy	Baking and Pastry Arts Culinary Arts Dietary Management Beverage Management	Hospitality Administration Hospitality Management Hotel Operations Event Management	Criminal Justice Law Enforcement Corrections/Probation Court Services Public, Private, Business Security

Area of Study: Education Professions

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors <i>or</i> English 9	English 10 Honors <i>or</i> English 10	AP Language <i>or</i> English 11	W131 and IU Speech <i>or</i> English 12: CCR Bridge	
Math	Algebra I Honors <i>or</i> Algebra I	Algebra II Honors <i>or</i> Geometry	AP Calculus AB Algebra II	PreCalculus/Trigonometry	
Social Studies	AP World History: Modern <i>or</i> World History		AP US History <i>or</i> US History	AP Economics <i>or</i> Economics	AP Government <i>or</i> Government
Science	Biology I Honors <i>or</i> Earth/Space Science	Chemistry I <i>or</i> Biology I	AP Environmental Science <i>or</i> Integrated Chemistry-Physics		
Pathway/CTE			Education Professions I	Education Professions II	
Other Required Courses*	Spanish II <i>or</i> Spanish I	Spanish III** <i>or</i> Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 <i>or</i> Weights PE1 and Weights PE 2				
Suggested Electives		AP Psychology	Spanish III**		
Suggested Electives					

*Two years of foreign language are required for acceptance into some 4-year colleges

**Suggested coursework for some majors at 4-year colleges

Area of Study: Early Childhood Education

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I	Algebra II Honors or Geometry	AP Calculus AB Algebra II	PreCalculus/Trigonometry	
Social Studies	AP World History: Modern or Biology I Honors		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	or Earth/Space Science	Chemistry I or Biology I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE			Early Childhood I (C4)	Early Childhood 2 (C4)	
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives		AP Psychology	Spanish III**		
Suggested Electives					

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**Suggested coursework for some majors at 4-year colleges

Area of Study: Cosmetology

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9	English 10	English 11	English 12: CCR Bridge	
Math	Algebra I	Geometry	Algebra II		
Social Studies	World History	US History		Economics	Government
Science	Earth/Space Science	Biology I	Integrated Chemistry-Physics		
Pathway/CTE			Cosmetology I (C4)	Cosmetology 2 (C4)	
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives	Introduction to Accounting	Principles of Business Management		Chemistry	
Suggested Electives					

Area of Study: Culinary Arts

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I	Algebra II Honors or Geometry	AP Calculus AB Algebra II	PreCalculus/Trigonometry	
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE			Culinary Arts and Hospitality I (C4)	Culinary Arts and Hospitality II: Culinary Arts (C4)	
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives	Introduction to Accounting	Principles of Business Management	Spanish III**		
Suggested Electives					

*Two years of foreign language are required for acceptance into some 4-year colleges

**Suggested coursework for some majors at 4-year colleges

Area of Study: Hospitality and Tourism

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I	Algebra II Honors or Geometry	AP Calculus AB Algebra II	PreCalculus/Trigonometry	
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE			Culinary Arts and Hospitality I (C4)	Culinary Arts and Hospitality II: Hospitality Management (C4)	
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives	Introduction to Accounting	Principles of Business Management	Spanish III**		
Suggested Electives					

*Two years of foreign language are required for acceptance into some 4-year colleges

**Suggested coursework for some majors at 4-year colleges

Area of Study: Criminal Justice

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I	Algebra II Honors or Geometry	AP Calculus AB Algebra II	PreCalculus/Trigonometry	
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE			Criminal Justice I (C4)	Criminal Justice II (C4)	
Other Required Courses*	Spanish II or Spanish I	Spanish III** or Spanish II			
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2				
Suggested Electives		AP Psychology	Spanish III**		
Suggested Electives					

*Two years of foreign language are required for acceptance into some 4-year colleges

**Suggested coursework for some majors at 4-year colleges

Humanities

	History and Social Sciences	Language and Culture	Writing and Journalism
Level of Education	4 Year and Advanced Degrees	4 Year and Advanced Degrees	4 Year and Advanced Degrees
Careers	Law Social Worker Museum Curator Archivist Researcher Professor Event Planning Economist Anthropologist Psychologist Archeologist	Translator Interpreter Linguist Foreign Language Instructor	Journalist Copy Writer Editor Social Media Manager Grant Writer Reporter Columnist Public Relations Author
Major/Area of Concentration	History Public Health Criminology Ethnic, Cultural Minority, Gender, and Group Studies Sociology Political Science Social Work Economics Archeology Healthcare Management and Policy Community Organization International Studies Anthropology Philosophy	Spanish French Russian Arabic Germanic Studies Italian East Asian Studies, Languages, and Culture Near Eastern Language and Culture Slavic Eastern European Studies and Cultures Computational Linguistics Linguistics	English Journalism Communications

Area of Study: History and Social Science

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or W131 and L202	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB or PreCalculus/Trigonometry		
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I and Chemistry I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE*					
Other Required Courses	Spanish II or Spanish I	Spanish III or Spanish II	Spanish III		
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2	Intro to 2D Art and Additional Visual Arts Class or Band, Theatre, or Choir (2 credits)			
Suggested Electives		AP Psychology		Spanish IV or Spanish V	
Suggested Electives					

*Pathway requirement fulfilled by Academic Honors Diploma

Area of Study: Language and Culture

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or W131 and L202	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB or PreCalculus/Trigonometry		
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I and Chemistry I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE*					
Other Required Courses	Spanish II or Spanish I	Spanish III or Spanish II	Spanish IV or Spanish III	Spanish V or Spanish IV	
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2	Intro to 2D Art and Additional Visual Arts Class or Band, Theatre, or Choir (2 credits)			
Suggested Electives		AP Psychology			
Suggested Electives					

*Pathway requirement fulfilled by Academic Honors Diploma

Area of Study: Writing and Journalism

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or W131 and L202	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II	AP Calculus AB or PreCalculus/Trigonometry		
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I and Chemistry I	AP Environmental Science or Integrated Chemistry-Physics		
Pathway/CTE*					
Other Required Courses	Spanish II or Spanish I	Spanish III or Spanish II	Spanish III		
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2	Intro to 2D Art and Additional Visual Arts Class or Band, Theatre, or Choir (2 credits)			
Suggested Electives	Creative Writing	Mass Media	Technical Communications		
Suggested Electives		AP Psychology		Spanish IV or Spanish V	

*Pathway requirement fulfilled by Academic Honors Diploma

Natural Sciences

	Biology, Environmental, and Geological Science	Chemistry and Physics
Level of Education	4 Year and Advanced Degrees	4 Year and Advanced Degrees
Careers	Molecular Biologist Plant Biologist Microbiologist Ecologist Physiologist Zoologist Wildlife/Conservation Biologist Marine Biologist Biochemist Meteorologist Hydrologist Environmental Scientist	Chemist Physicist Biochemist Pharmacologist Materials Scientist Food Scientist Chemistry/Physics Researcher/Professor Astrophysicist Nuclear Physicist Chemical Physicist
Major/Area of Concentration	Biochemistry Biology Earth Science Earth and Atmospheric Sciences Human Biology Microbiology Genetics Molecular Life Science Geology and Geophysics Neuroscience Environmental Science Environmental and Sustainability Studies Ecology and Evolution, and Environmental Science	Chemistry Physics Astronomy/Astrophysics Biochemistry

Area of Study: Biology and Environmental & Geological Science

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors or English 9	English 10 Honors or English 10	AP Language or English 11	W131 and IU Speech or English 12: CCR Bridge	
Math	Algebra I Honors or Algebra I and Geometry	Algebra II Honors or Algebra II and PreCalculus/Trigonometry	AP Calculus AB	AP Calculus BC	
Social Studies	AP World History: Modern or World History		AP US History or US History	AP Economics or Economics	AP Government or Government
Science	Biology I Honors or Earth/Space Science	Chemistry I or Biology I and Chemistry I	AP Biology and AP Environmental Science	AP Chemistry and AP Physics	
Pathway/CTE*					
Other Required Courses	Spanish II or Spanish I	Spanish III or Spanish II	Spanish III		
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 or Weights PE1 and Weights PE 2	Intro to 2D Art and Additional Visual Arts Class or Band, Theatre, or Choir (2 credits)			
Suggested Electives		AP Psychology	Human Body Systems	Medical Interventions	

*Pathway requirement fulfilled by Academic Honors Diploma

Area of Study: Chemistry and Physics

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English 9 Honors <i>or</i> English 9	English 10 Honors <i>or</i> English 10	AP Language <i>or</i> English 11	W131 and IU Speech <i>or</i> English 12: CCR Bridge	
Math	Algebra I Honors <i>or</i> Algebra I and Geometry	Algebra II Honors <i>or</i> Algebra II and PreCalculus/Trigonometry	AP Calculus AB	AP Calculus BC	
Social Studies	AP World History: Modern <i>or</i> World History		AP US History <i>or</i> US History	AP Economics <i>or</i> Economics	AP Government <i>or</i> Government
Science	Biology I Honors <i>or</i> Earth/Space Science	Chemistry I <i>or</i> Biology I and Chemistry I	AP Biology <i>and</i> AP Environmental Science	AP Chemistry <i>and</i> AP Physics	
Pathway/CTE*					
Other Required Courses	Spanish II <i>or</i> Spanish I	Spanish III <i>or</i> Spanish II	Spanish III		
Other Required Courses	Prep for College/Careers	Health			
Other Required Courses	Basic PE1 and Basic PE 2 <i>or</i> Weights PE1 and Weights PE 2	Intro to 2D Art and Additional Visual Arts Class <i>or</i> Band, Theatre, or Choir (2 credits)			
Suggested Electives					

*Pathway requirement fulfilled by Academic Honors Diploma