

## Indiana College and Career Pathway Plan – State Model

Cluster: Agriculture

Pathway: Agribusiness

### Core 40 with Honors High School Graduation Plan\*

\*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;	Introduction to Agriculture, Food, & Natural Resources	Digital Citizenship, Personal Financial Responsibility	
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization		Agriculture Power, Structure, and Technology		World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History		Agribusiness Management **		World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics			Fine Arts	World Language
State specified Pathway Assessment: Dual Credit Final									
Industry Recognized Certification:									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech Community College	Vincennes University
AGRI 102 Agricultural Business and Farm Management	AGBS 101 Agribusiness Industries

## Indiana College and Career Pathway Plan – State Model

Cluster: Agriculture

Pathway: Horticulture & Landscape Management

### Core 40 with Honors High School Graduation Plan\*

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Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;	Introduction to Agriculture, Food & Natural Resources		World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Plant & Soil Science	** Horticultural Science	Digital Citizenship; Personal Financial Responsibility	World Language
	11	English 11	Algebra II	**Advanced Life Science Plants	US History	**Landscape Management I			World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Landscape Management II			Fine Arts
State specified Pathway Assessments: Dual Credit Exams									
Industry Recognized Certification: NA									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech Community College	Vincennes University	Purdue University
<ul style="list-style-type: none"> <li>• AGRI 116 Survey of Horticulture</li> <li>• LAND 102 Landscape Management</li> <li>• LAND 103 Landscape Management</li> </ul>	<ul style="list-style-type: none"> <li>• HORT 105 Introduction to Landscape</li> </ul>	<ul style="list-style-type: none"> <li>• BTNY 11000 Introduction to Plant Science</li> </ul>

## Indiana College and Career Pathway Plan – State Model

Cluster: Agriculture

College & Career Pathway: Life Sciences

Concentration: Animal Science

### Core 40 with Honors High School Graduation Plan\*

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Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;	Introduction to Agriculture, Food, & Natural Resources	Digital Citizenship; Personal Financial Responsibility	
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization		Animal Science		World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History		**Advanced Life Science: Animals		World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics			Fine Arts	World Language
State specified Pathway Assessments: Dual Credit Final									
Industry Recognized Certification: NA									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

**Purdue University**

ANSC 10200 Introduction to Animal Science

## Indiana College and Career Pathway Plan – State Model

Cluster: Agriculture

College & Career Pathway: Life Sciences

Concentration: Food Science

### Core 40 with Honors High School Graduation Plan\*

\*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers; Nutrition & Wellness	Introduction to Agriculture, Food, Natural Resources	Digital Citizenship; Personal Financial Responsibility	
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Advanced Nutrition & Wellness;	Food Science		World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History		**Advanced Life Science: Foods		World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics			Fine Arts	World Language
<b>State specified Pathway Assessments:</b> Food Science Fundamentals Pre-PAC or Dual Credit Final									
<b>Industry Recognized Certification:</b> Food Science Fundamentals Pre Professional Certification									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

**Purdue University**

FS 16100 The Science of Food

## Indiana College and Career Pathway Plan – State Model

Cluster: Agriculture

College & Career Pathway: Life Sciences

Concentration: Plants & Soils

### Core 40 with Honors High School Graduation Plan\*

\*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;	Introduction to Agriculture, Food, & Natural Resources	Digital Citizenship; Personal Financial Responsibility	
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization		Plant and Soil Science		World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History		**Advanced Life Science: Plants and Soils		World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics			Fine Arts	World Language
State specified Pathway Assessments: Dual Credit Final									
Industry Recognized Certification: NA									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

#### Purdue University

BTNY 11000 Introduction to Plant Science

## Indiana College and Career Pathway Plan – State Model

<b>Cluster:</b> Business & Marketing	<b>Pathway:</b> Business Administration
<b>Concentration:</b> Entrepreneurship & Management	<b>Focus:</b> Entrepreneurship

### Core 40 with Honors High School Graduation Plan\*

\*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;		Digital Citizenship; Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Introduction to Business;			World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Principles of Business Management	**Principles of Marketing		World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Entrepreneurship & New Ventures		**Business Law & Ethics	Fine Arts

**State specified Pathway Assessment:** Dual Credit Finals

**Industry Recognized Certification:** None

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech	Vincennes University
<ul style="list-style-type: none"> <li>BUSN 101 Introduction to Business</li> <li>BUSN 102 Business Law</li> <li>ENTR 101 The Entrepreneur and the Enterprise</li> <li>MKTG 101 Principles of Marketing</li> </ul>	<ul style="list-style-type: none"> <li>MGMT 100 Introduction to Business</li> <li>ENTR 121 Creating a Small Business</li> </ul>

## Indiana College and Career Pathway Plan – State Model

**Cluster:** Business & Marketing

**Pathway:** Business Administration

**Concentration:** Marketing Management

**Focus:** Marketing in Hospitality & Tourism

### Core 40 with Honors High School Graduation Plan\*

\*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;		Digital Citizenship; Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Introduction to Business;			World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Principles of Marketing	Marketing in Hospitality & Tourism		World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Strategic Marketing		**Business Law & Ethics	Fine Arts

**State specified Pathway Assessment:** Dual Credit Finals

**Industry Recognized Certification:** None

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech	Vincennes University
<ul style="list-style-type: none"> <li>• BUSN 102 Business Law</li> <li>• MKTG 101 Principles of Marketing</li> <li>• MKTG 110 Consumer Behavior</li> </ul>	<ul style="list-style-type: none"> <li>• MKTG 155 Consumer Behavior</li> </ul>

## Indiana College and Career Pathway Plan – State Model

**Cluster:** Business & Marketing

**Pathway:** Business Administration

**Concentration:** Marketing Management

**Focus:** Merchandising

### Core 40 with Honors High School Graduation Plan\*

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Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;		Digital Citizenship; Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Introduction to Business;			World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Principles of Marketing	Merchandising		World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Strategic Marketing		**Business Law & Ethics	Fine Arts

**State specified Pathway Assessment:** Dual Credit Finals

**Industry Recognized Certification:** None

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech	Vincennes University
<ul style="list-style-type: none"> <li>• BUSN 102 Business Law</li> <li>• MKTG 101 Principles of Marketing</li> <li>• MKTG 110 Consumer Behavior</li> </ul>	<ul style="list-style-type: none"> <li>• MKTG 155 Consumer Behavior</li> </ul>



## Indiana College and Career Pathway Plan – State Model

Cluster: Education & Training

Pathway: Education & Early Childhood

Concentration: Education Careers

### Core 40 with Honors High School Graduation Plan\*

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Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Physical Ed; Health req. met with F&CS courses	Preparing for College & Careers; Child Development		Digital Citizenship; Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Advanced Child Development; Interpersonal Relationships		Content Area Electives	World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Education Professions I			World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Education Professions II		Content Area Electives	Fine Arts

**State specified Pathway Assessment:** Education Fundamentals Pre-PAC and/or Dual Credit Final Exam

**Industry Recognized Certification:** Education Fundamentals Preprofessional Certification

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech Community College	Purdue University	Institution Name TBD
EDUC 101 Intro to Teaching as a Career	EDCI 205 Intro to Teaching as a Career	

## Indiana College and Career Pathway Plan – State Model

**Cluster: Hospitality & Human Services**

**Pathway: Cosmetology**

### Core 40 with Honors High School Graduation Plan\*

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Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;		Digital Citizenship; Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Introduction to Business		Fine Arts	World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	** Cosmetology I			
	12	English 12	Math or Quantitative Reasoning		Government Economics	** Cosmetology II			
<b>State specified Pathway Assessment:</b> State Cosmetology License Assessment or Dual Credit Assessment from Postsecondary Institution									
<b>Industry Recognized Certification:</b> State Cosmetology License									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\* See Individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

#### Vincennes University

- COSM 100 Cosmetology 1
- COSM 150 Cosmetology 2
- COSM 200 Cosmetology 3
- COSM 250 Cosmetology 4

## Indiana College and Career Pathway Plan – State Model

**Cluster: Hospitality & Human Services**

**Pathway: Culinary Arts**

### Core 40 with Honors High School Graduation Plan\*

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Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Physical Ed; Health req. met with F&CS courses	Preparing for College & Careers; Nutrition & Wellness		Digital Citizenship; Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Introduction to Culinary Arts	Advanced Nutrition & Wellness; Interpersonal Relationships		World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Culinary Arts & Hospitality			World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Advanced Culinary Arts		Introduction to Business	Fine Arts
<b>State specified Pathway Assessment:</b> ProStart Level 1 and Level 2; Culinary Arts Pre-PAC; Dual credit final exams									
<b>Industry Recognized Certification:</b> ProStart Certificate of Achievement; Culinary Arts Preprofessional Certification									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\* See Individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech Community College	Vincennes University
<ul style="list-style-type: none"> <li>• HOSP 101 Sanitation and First Aid</li> <li>• HOSP 102 Basic Food Theory and Skills</li> <li>• HOSP 104 Nutrition</li> <li>• HOSP 105 Intro to Baking</li> </ul>	<ul style="list-style-type: none"> <li>• CULN 110 Quantity Food Production</li> <li>• REST 120 Food Service Sanitation</li> <li>• REST 100 Intro Hospitality Management</li> <li>• REST 155 Quantity Food Purchasing</li> </ul>

## Indiana College and Career Pathway Plan – State Model

Cluster: Health Science

Career Pathway: Health Care Specialties

Concentration: Health Science Careers

Focus: Comprehensive or Innovatives

### Core 40 with Honors High School Graduation Plan\*

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Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Physical Ed; Health req. met with F&CS courses	Preparing for College & Careers; Nutrition and Wellness		Digital Citizenship; Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Interpersonal Relationships	Human Development & Wellness or Child Development		World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Health Science Education I (may include**Medical Terminology)			World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Health Science Education II: Special Topics (may include**Anatomy & Physiology)			Fine Arts

State specified Pathway Assessments: NCHSE Core Foundations AND/OR Dual Credit Final Exams

Industry Recognized Certification:

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech	Vincennes University
<ul style="list-style-type: none"> <li>▪ APHY 101 Anatomy &amp; Physiology I</li> <li>▪ HLHS 100 Introduction to Health Careers</li> <li>▪ HLHS 101 Medical Terminology</li> </ul>	<ul style="list-style-type: none"> <li>▪ HIMT 110 Medical Terminology</li> <li>▪ BIOL 111/111L – Essentials of Human Anatomy and Physiology</li> </ul>

## Indiana College and Career Pathway Plan – State Model

Cluster: Health Science

Career Pathway: Health Care Specialties

Concentration: Health Science Careers

Focus: Pharmacy

### Core 40 with Honors High School Graduation Plan\*

\*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Physical Ed; Health req. met with F&CS courses	Preparing for College & Careers; Nutrition and Wellness		Digital Citizenship; Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Interpersonal Relationships	Human Development & Wellness or Child Development		World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Health Science Education I (may include**Medical Terminology)			World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Health Science Education II: Pharmacy (may include**Anatomy & Physiology)			Fine Arts

State specified Pathway Assessments: NCHSE Core Foundations AND/OR Dual Credit Final Exams

Industry Recognized Certification:

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech	Vincennes University
<ul style="list-style-type: none"> <li>▪ APHY 101 Anatomy &amp; Physiology I</li> <li>▪ HLHS 100 Introduction to Health Careers</li> <li>▪ HLHS 101 Medical Terminology</li> </ul>	<ul style="list-style-type: none"> <li>▪ HIMT 110 Medical Terminology</li> <li>▪ BIOL 111/111L – Essentials of Human Anatomy and Physiology</li> </ul>

## Indiana College and Career Pathway Plan – State Model

**Cluster: Health Science**

**Career Pathway: Nursing**

### Core 40 with Honors High School Graduation Plan\*

\*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers; Nutrition & Wellness		Digital Citizenship; Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	Interpersonal Relationships	Human Development & Wellness or Child Development		World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Health Science Education I (may include**Medical Terminology)			World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Health Science Education II (may include**Anatomy and Physiology)			Fine Arts
<b>State specified Pathway Assessments:</b> NCHSE Core Foundations; Nursing or Nursing Assistant programs may use the Certified Nurse Aide (CNA)									
<b>Industry Recognized Certification:</b>									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech	Vincennes University
<ul style="list-style-type: none"> <li>▪ APHY 101 Anatomy &amp; Physiology I</li> <li>▪ HLHS 100 Introduction to Health Careers</li> <li>▪ HLHS 101 Medical Terminology</li> <li>▪ HLHS 107 CNA Preparation (CNA Prep – certification, HC support, and 1 credit toward Nursing degree)</li> </ul>	<ul style="list-style-type: none"> <li>▪ HIMT 110 Medical Terminology</li> <li>▪ BIOL 111/111L – Essentials of Human Anatomy and Physiology</li> </ul>

## Indiana College and Career Pathway Plan – State Model

**Cluster:** Information Technology

**Pathway:** Computer Programming

### Core 40 with Honors High School Graduation Plan\*

\*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;		Digital Citizenship, Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	**Information Communications and Technology			World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Computer Programming I			World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	**Computer Programming II			Fine Arts
State specified Pathway Assessment: Dual Credit Finals									
Industry Recognized Certification: None									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See Individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech	Vincennes University
<ul style="list-style-type: none"> <li>• CINS 101 Micro Operating Systems</li> <li>• CINS 113 Logic Design Programming</li> <li>• CINS 121 C++ Programming</li> <li>• CINS 136 Java Programming</li> <li>• CINS 137 Visual Basic Programming</li> </ul>	<ul style="list-style-type: none"> <li>• Dual Credit Pending</li> </ul>

## Indiana College and Career Pathway Plan – State Model

**Cluster:** Information Technology

**Pathway:** Computer Programming (Alternative Model)

### Core 40 with Honors High School Graduation Plan\*

\*This is a SAMPLE plan for schools to use in planning. Course sequences and grade level in which courses are offered may vary according to local policies, practices and resources.

Students should enroll in Indiana Career Explorer, complete interest inventories, and investigate careers in clusters & pathways prior to or during the time they create their individual Pathway Plans.

SECONDARY	Grade	English/ Language Arts	Math	Science	Health/PE Social Studies	CTE/Career Preparation Courses for this Pathway		Other Elective Courses for this Pathway	
	9	English 9	Algebra I	Biology	Health & Wellness/ Physical Ed	Preparing for College & Careers;	**Information Communications and Technology	Digital Citizenship, Personal Financial Responsibility	World Language
	10	English 10	Geometry	Chemistry	Geography/History of the World or World History/Civilization	**Computer Programming I			World Language
	11	English 11	Algebra II	3 <sup>rd</sup> Core 40 Science	US History	**Computer Programming II			World Language
	12	English 12	Math or Quantitative Reasoning		Government Economics	AP Computer Science <sup>1</sup>			Fine Arts
<b>State specified Pathway Assessment:</b> Dual Credit Finals or AP Exam									
<b>Industry Recognized Certification:</b> None									

### Postsecondary Courses Aligned for Potential Dual Credit\*\*

\*\*See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

Ivy Tech	Vincennes University
<ul style="list-style-type: none"> <li>• CINS 101 Micro Operating Systems</li> <li>• CINS 113 Logic Design Programming</li> <li>• CINS 121 C++ Programming</li> <li>• CINS 137 Visual Basic Programming</li> </ul>	<ul style="list-style-type: none"> <li>• Dual Credit Pending</li> </ul>

<sup>1</sup> Indiana public colleges and universities are required to award college credit that counts towards a degree to students who earn a 3 or higher on an AP exam. For a list of how credit is awarded at each institution please go to [www.transferin.net/ap.aspx](http://www.transferin.net/ap.aspx) . Please note AP courses are not dual credit courses and should not be treated as such.