Supporting Graduation Pathways with PESC in Indiana eTranscripts

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Indiana eTranscript Program

- Started in 2005, made statutory in 2013
- Built on a mandated common high school transcript and PESC XML schema
- Funded through a line item appropriation to the Commission for Higher Education
- Interlocking responsibilities for:
  - Commission for Higher Education
  - Department of Education
  - Public colleges and universities
Indiana eTranscript Program (continued)

- Use Parchment as our platform
- Parchment automatically sends transcripts both as PDF images and XML data files (if available)
- 100% of high schools send 100% of their transcripts as PDF images
- Want 100% of high schools to send 100% of their transcripts as XML data files (Naviance and Common App currently obstacles to this)
- Need to modify the PESC XML schema to accommodate new fields mandated by the new graduation pathways
New Graduation Pathways in Indiana

Beginning with the **2022-23 graduating class**, all high school students must:

- Demonstrate college or career readiness through
- A graduation pathway established by the State Board of Education in collaboration with the:
  - Commission for Higher Education
  - Department of Workforce Development
Demonstrating College Readiness (1 of 2)

Postsecondary-ready competencies are demonstrated through one or more of the following:

- Earning a Academic or Technical Honors Diploma
- Completing three AP or IB or dual credit or Cambridge International courses
- Passing three CLEP exams
- Meeting ACT or SAT college-ready benchmarks*
- Earning a minimum AFQT score on ASVAB battery of tests*

(continued on next slide)
Demonstrating College Readiness (2 of 2)

- Completing a **locally created pathway**
- Earning a state- or industry-recognized credential or **certification**
- Completing [all or part of] a **federally recognized apprenticeship**, i.e. one administered by the US Department of Labor
- Completing a Career and Technical Education or **CTE concentrator**
Demonstrating Career Readiness

Employability skills are demonstrated through one or more of the following:

- **Project-based learning (PBL)** experience meeting design principles adopted from the Buck Institute of Education
- **Service-based learning (SBL)** experience meeting design principles adopted from the National Youth Leadership Council
- **Work-based learning (WBL)** experience meeting design principles adopted from the National Governors Association’s State Strategies to Scale Quality Work-Based Learning
Tools to Manage Pathways

Two focus areas for this initiative are:

School-based tracking - to manage pathways Indiana high schools will need to centralize and track each student's pathways selection and progress towards individual goals

eTranscript - extend the data available for both exchange and reporting purposes
Connecting Evolving Needs to Standards

As the technical partner to ICHE, Parchment provides guidance on accommodating evolving data needs through the PESC standards. This project presented a need in the schema to represent additional attributes that combine to describe the pathway each individual student followed in earning their diploma.
IN Common Transcript Data Elements

<table>
<thead>
<tr>
<th>School/District Elements</th>
<th>Field Name</th>
<th>Field Status</th>
<th>PESC Status</th>
<th>Format</th>
<th>PESC Data Element</th>
<th>Element Description</th>
<th>Alt Length</th>
<th>Mapping/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CIDA Code</td>
<td>Req</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The unique identifier assigned by the College Entrance Examination Board and ACT for each 8-12 data exchange partner</td>
<td>5 characters</td>
<td>MAP TO: CIDAURBAN_CODE</td>
</tr>
<tr>
<td>2</td>
<td>Local School ID</td>
<td>Req</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.LocalOrganizationLocalOrganization.ID</td>
<td>The code assigned for the receiving school by the state, province or other mutually defined agency specified in the local/urban/other that follows</td>
<td>10 characters</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>3</td>
<td>Local School ID</td>
<td>Opt</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.LocalOrganizationLocalOrganization.ID</td>
<td>The code assigned for the receiving school by the state, province or other mutually defined agency specified in the local/urban/other that follows</td>
<td>10 characters</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>4</td>
<td>District Name</td>
<td>Pesc</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The name of the school system the student belongs to</td>
<td>2 characters</td>
<td>MAPPING: TNBM district or organization A</td>
</tr>
<tr>
<td>5</td>
<td>High School Name</td>
<td>Pesc</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The name of the school from which the transcript is issued</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
<tr>
<td>6</td>
<td>School Address</td>
<td>Pesc</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The local delivery information that is used to mail the transcript to the student's address if the student leaves the school</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
<tr>
<td>7</td>
<td>School Address</td>
<td>Pesc</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The local delivery information that is used to mail the transcript to the student's address if the student leaves the school</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
<tr>
<td>8</td>
<td>School City</td>
<td>Pesc</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The city that the school is located in</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
<tr>
<td>9</td>
<td>School State</td>
<td>Pesc</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The state the school is located in</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
<tr>
<td>10</td>
<td>School ZIP Code</td>
<td>Pesc</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The postal code of the school</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
<tr>
<td>11</td>
<td>School Phone Area Code</td>
<td>Pesc</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The phone number of the school office</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
<tr>
<td>12</td>
<td>School Phone Number</td>
<td>Pesc</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The phone number of the school office</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
<tr>
<td>13</td>
<td>Receiving School</td>
<td>Req</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The receiving school that the transcript is going to</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
<tr>
<td>14</td>
<td>Receiving School</td>
<td>Req</td>
<td>min(1) 0 max(3)</td>
<td>CIDAURBAN</td>
<td>TransmissionData.SourceOrganization.EISSPMT</td>
<td>The receiving school that the transcript is going to</td>
<td>2 characters</td>
<td>MAPPING: Nothing in Banner</td>
</tr>
</tbody>
</table>

Student/Guardian Elements

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Field Status</th>
<th>PESC Status</th>
<th>Format</th>
<th>PESC Data Element</th>
<th>Element Description</th>
<th>Alt Length</th>
<th>Mapping/Comment</th>
</tr>
</thead>
</table>
| 15 | Student Assigned ID | Req | min(1) 0 max(3) | Student | TransmissionData.Students.StudentID | The unique identifier assigned by the College Entrance Examination Board and ACT for each student | 5 characters | MAPPING: DORADO добавить ID (NOTE: need to assign a code in the field DORADO_доддДКБЛ kod)

Note: The table above represents the IN Common Transcript Data Elements. Each element is categorized into School/District Elements and Student/Guardian Elements. The table includes relevant fields such as student ID, school ID, local school ID, district name, and more. The mapping and comments for each element are also provided, along with alternate lengths and specific identifiers.
Student.AcademicRecord.AcademicAward.AcademicAwardProgram

Code indicating the type of secondary school program or award that a student is pursuing

Recommended

Enumerations
CareerPrep
CollegePrep
CollegePrepOrCollegeTechPrep
CollegeTechPrep
General
Occupational
Vocational

Max Occurrences: 1
Extending the data for AcademicAward

<table>
<thead>
<tr>
<th>Graduation Requirements</th>
<th>Graduation Pathway Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) High School Diploma</td>
<td>Meet the statutorily defined diploma credit and curricular requirements.</td>
</tr>
<tr>
<td>2) Learn and Demonstrate Employability Skills</td>
<td>Learn employability skills standards through locally developed programs. Employability skills are demonstrated by one of the following:</td>
</tr>
<tr>
<td>(Students must complete at least one of the following.)</td>
<td>• Project-Based Learning Experience; OR</td>
</tr>
<tr>
<td></td>
<td>• Service-Based Learning Experience; OR</td>
</tr>
<tr>
<td></td>
<td>• Work-Based Learning Experience.2</td>
</tr>
<tr>
<td>3) Postsecondary-Ready Competencies</td>
<td>• Honors Diploma: Fulfill all requirements of either the Academic or Technical Honors diploma; OR</td>
</tr>
<tr>
<td>(Students must complete at least one of the following.)</td>
<td>• ACT: College-ready benchmarks; OR</td>
</tr>
<tr>
<td></td>
<td>• SAT: College-ready benchmarks; OR</td>
</tr>
<tr>
<td></td>
<td>• ASVAB: Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military; OR</td>
</tr>
<tr>
<td></td>
<td>• State- and Industry-recognized Credential or Certification; OR</td>
</tr>
<tr>
<td></td>
<td>• Federally-recognized Apprenticeship; OR</td>
</tr>
<tr>
<td></td>
<td>• Career-Technical Education Concentrator; Must earn a C average in at least two non-duplicative advanced courses (courses beyond an introductory course) within a particular program or program of study; OR</td>
</tr>
<tr>
<td></td>
<td>• AP/IB/Dual Credit/ Cambridge International courses or CLEP Exams: Must earn a C average or higher in at least three courses; OR</td>
</tr>
<tr>
<td></td>
<td>• Locally created pathway that meets the framework from and earns the approval of the State Board of Education.</td>
</tr>
</tbody>
</table>

**Enumerations**
- CareerPrep
- CollegePrep
- CollegePrepOrCollegeTechPrep
- CollegeTechPrep
- General
- Occupational
- Vocational

**Additional New Enumerations**
- ProjectBased
- WorkBased
- ServiceBased
- Apprenticeship
- AssessmentBenchmark
- Local
- IndustryCredential
- IndustryCertification
- CareerandTechnicalEducation

Update from Max Occurrence 1 to ∞
Extending the data for AcademicAward
# Enhancing the Design of the Transcript

## Parchment Transcript Report

**Prepared for:** Vincennes University (All Campus Locations) on 03/22/2019  
**Diploma Type:** B  
**Grade:** 12th  
**Gender:** Female  
**State ID:**  
**Date of Birth:**  
**Student Address:**

### HIGH SCHOOL DIPLOMA
- **NOT SATISFIED**  
- **Class Of:** 2018

### LEARN & DEMONSTRATE EMPLOYABILITY SKILLS
- **NOT SATISFIED**

### POSTSECONDARY-READY COMPETENCIES
- **NOT SATISFIED**

### Grades

<table>
<thead>
<tr>
<th>Crs ID</th>
<th>Course Title</th>
<th>Mark</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>5210</td>
<td>Principles of Health</td>
<td>B+</td>
<td>1</td>
</tr>
<tr>
<td>6933</td>
<td>Principles of Music</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>3542</td>
<td>Physical Education I</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>8011</td>
<td>Physical Education II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2632</td>
<td>Geometry</td>
<td>A-</td>
<td>1</td>
</tr>
<tr>
<td>211</td>
<td>(Geography)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1570</td>
<td>World History II</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>425</td>
<td>World History III</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4172</td>
<td>Freshman Orchestra</td>
<td>A+</td>
<td>1</td>
</tr>
<tr>
<td>7666</td>
<td>Freshman Orchestra</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3030</td>
<td>French I</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>501</td>
<td>French II</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>1002</td>
<td>English I</td>
<td>A-</td>
<td>1</td>
</tr>
<tr>
<td>103</td>
<td>English II</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3024</td>
<td>Biology I</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>307</td>
<td>(Biology II)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Enhancing the Design of the Transcript

HIGH SCHOOL DIPLOMA
- Complete
  - Class Of: 2018
  - Graduation Date: 06/02/2018

LEARN & DEMOSTRATE EMPLOYABILITY SKILLS
- Not Satisfied

POSTSECONDARY-READY COMPETENCIES
- Not Satisfied

HIGH SCHOOL DIPLOMA
- Complete
  - Class Of: 2018
  - Graduation Date: 06/02/2018

LEARN & DEMOSTRATE EMPLOYABILITY SKILLS
- Complete
  - Service-Based Learning Experience
  - Work-Based Learning Experience

POSTSECONDARY-READY COMPETENCIES
- Complete
  - ASVAB
  - Federally-recognized Apprenticeship

HIGH SCHOOL DIPLOMA
- Complete
  - Class Of: 2018
  - Graduation Date: 06/02/2018

LEARN & DEMOSTRATE EMPLOYABILITY SKILLS
- Complete
  - Project-Based Learning Experience
  - Work-Based Learning Experience

POSTSECONDARY-READY COMPETENCIES
- Complete
  - Honors Diploma
  - ACT
  - SAT
Steps and Timeline for Changes

• Design potential changes to schema
• Change Control process within PESC to version up the transcript schema
• Update Indiana eTranscript documentation - *Summer 2019*
• Communicate changes to High School Student Information Systems vendors for 2019-20 implementation
• Build API support in Parchment for newest PESC version and transcript design - *Fall 2019*
• Test updates with SIS vendors - *through Spring 2020*
• Communicate changes to High School counselor communities - *ahead of 2020 graduation*
# Parchment Transcript Report

Prepared for: Vincennes University (All Campus Locations) on 03/22/2019

## HIGH SCHOOL DIPLOMA

- **Class Of:** 2018
- **Graduation Date:** 06/02/2018

## LEARN & DEMONSTRATE EMPLOYABILITY SKILLS

- **COMPLETE**
- Project-Based Learning Experience
  - Work-Based Learning Experience
  - Enter Date: 07/31/2014

## POSTSECONDARY-READY COMPETENCIES

- **COMPLETE**
- Honors Diploma
  - ACT
  - SAT

## Course Title Details

<table>
<thead>
<tr>
<th>Course ID</th>
<th>Course Title</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>5218</td>
<td>PRINCIPLES BIOMED SCI*</td>
<td>B+</td>
<td>1</td>
</tr>
<tr>
<td>991</td>
<td>PRINCIPLES BIOMED SCI*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5412</td>
<td>PHYSICAL EDUCATION I</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>8011</td>
<td>PHYSICAL EDUCATION I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2532</td>
<td>GEOMETRY</td>
<td>A-</td>
<td>1</td>
</tr>
<tr>
<td>211</td>
<td>GEOMETRY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6170</td>
<td>GEOG &amp; HISTORY OF THE WORLD</td>
<td>A-</td>
<td>1</td>
</tr>
<tr>
<td>475</td>
<td>GEOG &amp; HISTORY OF THE WORLD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4172</td>
<td>FRESHMAN ORCHESTRA</td>
<td>A+</td>
<td>1</td>
</tr>
<tr>
<td>7905</td>
<td>FRESHMAN ORCHESTRA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>FRENCH I</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>101</td>
<td>FRENCH I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102</td>
<td>ENGLISH I</td>
<td>B</td>
<td>1</td>
</tr>
<tr>
<td>103</td>
<td>ENGLISH I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3024</td>
<td>BIOLOGY I</td>
<td>A+</td>
<td>1</td>
</tr>
<tr>
<td>917</td>
<td>BIOLOGY I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Future thoughts for AcademicAward

- Support standardized code for each area or linked data schemas
- Evidence references for Apprenticeship and Certification
- Other metadata that enhances the individual level of detail
THANK YOU!

QUESTIONS & ANSWERS