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
US State-sponsored Transcript Initiatives

- University System of Alaska
  - Volume (LTM): 3,559
  - Partnership Since: 2014

- Montana Office of Public Instruction
  - Volume (LTM): 110,875
  - Partnership Since: 2014

- Center for Educational Performance and Information
  - Volume (LTM): 608,604
  - Partnership Since: 2009

- West Virginia Department of Education
  - Volume (LTM): 59,923
  - Partnership Since: 2015

- Connecticut State Colleges and Universities
  - Volume (LTM): 333,078
  - Partnership Since: 2014

- Delaware Department of Education
  - Volume (LTM): 36,994
  - Partnership Since: 2017

- Virginia Department of Education
  - Volume (LTM): 499,152
  - Partnership Since: 2014

- South Carolina Department of Education
  - Volume (LTM): 207,277
  - Partnership Since: 2008

- Illinois Student Assistance Commission
  - Volume (LTM): 1,076,089
  - Partnership Since: 2012

- Kentucky Department of Education
  - Volume (LTM): 204,143
  - Partnership Since: 2013
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)

*score supported without benchmark
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 students 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

**v.21 - 5/28/2016**

Please note the following:

1) Source code for all PESC data elements can be found at http://www.pesc.org/library/docs/standards/high%20school%20transcript%20xml%20schema%20v1.3%202019-05-16%20%28final%29.pdf

2) Should any other transcript data as desired/needed. Additional data elements need to be mapped to PESC if sent as XML to PESC. Please refer to the PESC Implementation guide for mapping User Defined Extensions.

#### School/District Elements

<table>
<thead>
<tr>
<th>Public Name</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>Max Length</th>
<th>Mapping/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CEEB Code</td>
<td>Reg</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.EEIMAT</td>
<td>The unique identifier assigned by the College Entrance Examination Board and ACT for each 6-12 data exchange partner.</td>
<td>6; 6</td>
<td>MAP TO: DSCNAME_300_CODE</td>
</tr>
<tr>
<td>2</td>
<td>Local School ID</td>
<td>Loc</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchool.ID</td>
<td>The code assigned for the receiving school by the state, province or other mutually defined agency specified in the LocalSchoolQualifier that follows.</td>
<td>12; 12</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>3</td>
<td>Local School ID</td>
<td>Loc</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchoolQualifier</td>
<td>This is the state, province or other mutually defined agency that assigned the Local School ID code above.</td>
<td>4; 4</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>4</td>
<td>District Name</td>
<td>Dist</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.DistrictName</td>
<td>The name of the school system the student belongs to.</td>
<td>60; 60</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>5</td>
<td>High School Name</td>
<td>HS</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchoolName</td>
<td>The name of the school from which the transcript is issued.</td>
<td>60; 60</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>6</td>
<td>School Address</td>
<td>Add</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchool.AddressLine1</td>
<td>Local Delivery: Information such as street, building number, P.O. box, or apartment portion of a postal address at a Contact of the Sending (Source) High School.</td>
<td>40; 40</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>7</td>
<td>School Address</td>
<td>Add</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchool.AddressLine2</td>
<td>Second line of mailing address of the school.</td>
<td>40; 40</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>8</td>
<td>School City</td>
<td>City</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchool.City</td>
<td>The city portion of the Address of the Contact at the Sending (Source) High School.</td>
<td>36; 36</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>9</td>
<td>School State</td>
<td>St</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchool.State</td>
<td>Code for U.S. states, etc., and Canadian provinces.</td>
<td>2; 2</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>10</td>
<td>School ZIP Code</td>
<td>Zip</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchool.ZipCode</td>
<td>The postal code portion of the Address.</td>
<td>9; 9</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>11</td>
<td>School Phone Number</td>
<td>Phone</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchool.PhoneNumber</td>
<td>The phone number of the school office.</td>
<td>5; 5</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>12</td>
<td>School Phone Number</td>
<td>Phone</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.LocalSchool.PhoneNumber</td>
<td>The phone number of the school office.</td>
<td>11; 11</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>13</td>
<td>Receiving School</td>
<td>Add</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.AnotherSchool.AddressLine1</td>
<td>ATP Code of the receiving institution.</td>
<td>6; 6</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
<tr>
<td>14</td>
<td>Receiving School</td>
<td>Add</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>TransmissionData.Grade.Origination.AnotherSchool.AddressLine2</td>
<td>Name of the receiving institution.</td>
<td>10; 10</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
</tbody>
</table>

#### Student/Guardian Elements

<table>
<thead>
<tr>
<th>Public Name</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>Max Length</th>
<th>Mapping/Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>School Assigned ID</td>
<td>Loc</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>Student.Grade.Guardian.AgencySchoolAssignedID</td>
<td>Identifies the student's school at the source or sending school. It is recommended that this ID number be included, even if the student ID number used is an Agency Assigned ID.</td>
<td>20; 20</td>
<td>MAP TO: GROADID_ADDITIONAL_ID (Note: need to assign a code in the field GROADID_ADDITIONAL_ID)</td>
</tr>
<tr>
<td>16</td>
<td>State Assigned ID</td>
<td>State</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>Student.Grade.Guardian.AgencyStateAssignedID</td>
<td>An identification number that has been assigned to the student by a state or province or other agency.</td>
<td>30; 30</td>
<td>MAP TO: GROADID_ADDITIONAL_ID (Note: need to assign a code in the field GROADID_ADDITIONAL_ID)</td>
</tr>
<tr>
<td>17</td>
<td>State Assigned Agency</td>
<td>Agency</td>
<td>min 0; max 0;</td>
<td>4</td>
<td>Student.Grade.Guardian.AgencyStateAssignedAgencyName</td>
<td>A code that describes the type of agency that assigned the student's identification number.</td>
<td>Specific:</td>
<td>MAP TO: Nothing in Banner</td>
</tr>
</tbody>
</table>
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>
</tbody>
</table>
| 2) Learn and Demonstrate Employability Skills\(^1\) (Students must complete at least one of the following.) | Learn employability skills standards through locally developed programs. Employability skills are demonstrated by one of the following:  
  - Project-Based Learning Experience; OR  
  - Service-Based Learning Experience; OR  
  - Work-Based Learning Experience.\(^2\) |
| 3) Postsecondary-Ready Competencies\(^3\) (Students must complete at least one of the following.) |  
  - Honors Diploma: Fulfill all requirements of either the Academic or Technical Honors diploma; OR  
  - ACT: College-ready benchmarks; OR  
  - SAT: College-ready benchmarks; OR  
  - ASVAB: Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military; OR  
  - State- and Industry-recognized Credential or Certification; OR  
  - Federally-recognized Apprenticeship; OR  
  - Career-Technical Education Concentrator\(^4\): 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  
  - AP/IB/Dual Credit/Cambridge International courses\(^5\) or CLEP Exams: Must earn a C average or higher in at least three courses; OR  
  - Locally created pathway that meets the framework from and earns the approval of the State Board of Education. |

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

Update from Max Occurance 1 to $\infty$
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
Diplomatype: B19
Grade: 12th Grade
Gender: Female

### High School Diploma
- **NOT SATISFIED**
- **Class Of: 2018**

### Learn & Demonstrate Employability Skills
- **NOT SATISFIED**

### Postsecondary-Ready Competencies
- **NOT SATISFIED**

---

### Course Information

<table>
<thead>
<tr>
<th>Crs ID</th>
<th>Course Title</th>
<th>Mark</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>B210</td>
<td>Principles of Medicine (Principles of Medicine)</td>
<td>B+</td>
<td>1</td>
</tr>
<tr>
<td>3503</td>
<td>Principles of Medicine (Principles of Medicine)</td>
<td>C-</td>
<td>1</td>
</tr>
<tr>
<td>3542</td>
<td>Physical Education I (Physical Education I)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>8011</td>
<td>Physical Education II (Physical Education II)</td>
<td>A-</td>
<td>1</td>
</tr>
<tr>
<td>211</td>
<td>Geometry (Geometry)</td>
<td>A-</td>
<td>1</td>
</tr>
<tr>
<td>1570</td>
<td>World History of the World (World History of the World)</td>
<td>A+</td>
<td>1</td>
</tr>
<tr>
<td>4172</td>
<td>Freshmen Orchestra (Freshmen Orchestra)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>7000</td>
<td>Freshmen Orchestra (Freshmen Orchestra)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>3020</td>
<td>French I (French I)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>911</td>
<td>French II (French II)</td>
<td>A-</td>
<td>1</td>
</tr>
<tr>
<td>1902</td>
<td>English I (English I)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>101</td>
<td>English II (English II)</td>
<td>A-</td>
<td>1</td>
</tr>
<tr>
<td>3024</td>
<td>Biology I (Biology I)</td>
<td>A+</td>
<td>1</td>
</tr>
<tr>
<td>307</td>
<td>Biology II (Biology II)</td>
<td>A</td>
<td>1</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**
  - **Project-Based Learning Experience**
  - **Work-Based Learning Experience**
  - **Enter Date:** 07/31/2014

**POSTSECONDARY-READY COMPETENCIES**
- **COMPLETE**
- **Honors Diploma**
- **ACT**
- **SAT**

#### Course Title and 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 (PRINCIPLES BIOMED SCI)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>5999</td>
<td>PHYSICAL EDUCATION I (PHYSICAL EDUCATION)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3542</td>
<td>PHYSICAL EDUCATION I (PHYSICAL EDUCATION)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>3801</td>
<td>GEOMETRY</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>1906</td>
<td>GEOG &amp; HISTORY OF THE WORLD (GEOG &amp; HISTORY OF THE WORLD)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>4172</td>
<td>FRESHMAN ORCHESTRA (FRESHMAN ORCHESTRA)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>7095</td>
<td>FRESHMAN ORCHESTRA (FRESHMAN ORCHESTRA)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>2020</td>
<td>FRENCH I (FRENCH I)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>101</td>
<td>ENGLISH I (ENGLISH I)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>103</td>
<td>ENGLISH I (ENGLISH I)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>3021</td>
<td>BIOLOGY I (BIOLOGY I)</td>
<td>A</td>
<td>1</td>
</tr>
<tr>
<td>317</td>
<td>BIOLOGY I (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