School Courses for the Exchange of Data (SCED)

Susan Williams, Virginia Department of Education
Rachel Kruse, Iowa Department of Education
Thursday, May 9, 2019  9:00 am.
Presentation Outline

- National Forum on Education Statistics (Forum)
- SCED Classification System
- SCED History and Development
- Iowa’s Use of SCED for Postsecondary
- Questions and Discussion
National Forum on Education Statistics (Forum)

• Established in 1989
• Known as the “Forum”
• Purpose: To assist in improving the collection, reporting, and use of elementary and secondary education statistics.
• The Forum provides an arena for local, state, and national leaders in the education data community to discuss issues, address problems, develop resources, and consider new approaches for improving data collection and utility.
National Forum on Education Statistics (Forum)

Forum Mission: To plan, recommend, and develop education data resources that will support local, state, and national efforts to improve public and private education throughout the United States.
SCED Classification System

SCED is a voluntary, common classification system for preschool through high-school courses.

State education agencies (SEAs) use SCED to
• develop course catalogs;
• standardize reporting;
• allow data systems to communicate; and
• facilitate student credit transfers.

Local Education Agencies (LEAs) and schools use SCED to
• establish teacher-student data links;
• identify data for analysis, research, and data collections;
• understand types of courses taught throughout the district; and
• provide standardized transcripts to postsecondary institutions.
SCED Elements

02052G1.0011
ALGEBRA I
SCED Course Subject Area Codes

- 01 English Language and Literature
- 02 Mathematics
- 03 Life and Physical Sciences
- 04 Social Sciences and History
- 05 Visual and Performing Arts
- 07 Religious Education and Theology
- 08 Physical, Health, and Safety Education
- 09 Military Science
- 10 Information Technology
- 11 Communication and Audio/Visual Technology
- 12 Business and Marketing
- 13 Manufacturing
- 14 Health Care Sciences
- 15 Public, Protective, and Government Services
- 16 Hospitality and Tourism
- 17 Architecture and Construction
- 18 Agriculture, Food, and Natural Resources
- 19 Human Services
- 20 Transportation, Distribution, and Logistics
- 21 Engineering and Technology
- 22 Miscellaneous
- 23 Non-Subject-Specific
- 24 World Languages
A course is more than a 5-digit code.
Attributes are optional elements that can be added to the 12-character SCED identifier to provide a more robust description of SCED. Attributes are not essential for SCED. Here are examples of attributes:

- Career Cluster
- Family and Consumer Sciences Course Indicator
- Work-Based Learning Opportunity Type
- Course Section Instructional Delivery Mode
- Course Applicable Education Level

Commonly used attributes are included in the SCED file available at [http://nces.ed.gov/forum/SCED.asp](http://nces.ed.gov/forum/SCED.asp). Many SEAs and LEAs also create their own attributes.
### SCED History

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>Secondary SCED</td>
</tr>
<tr>
<td>2011</td>
<td>Prior-to-Secondary SCED</td>
</tr>
<tr>
<td>2014</td>
<td>SCED Version 2.0 and <em>Forum Guide to SCED</em></td>
</tr>
<tr>
<td>2015</td>
<td>SCED Version 3.0 and SCED Finder</td>
</tr>
<tr>
<td>2016</td>
<td>SCED Version 4.0</td>
</tr>
<tr>
<td>2017</td>
<td>SCED Version 5.0</td>
</tr>
<tr>
<td>2018</td>
<td>SCED Version 6.0</td>
</tr>
</tbody>
</table>
National Center for Education Statistics (NCES) Transcript Studies

- In 2015, the Forum mapped SCED to the Classification of Secondary School Courses (CSSC).
- NCES established SCED as the basis for transcript studies.
- Information gathered from the map on the types of courses and their prevalence was used to inform SCED.
SCED Spotlight: Iowa

IOWA
Department of Education

Student Reporting in Iowa

On this page...

- Find out if you are on the 2018 Gold Star List!
- 2018-2019 Dates to Remember
- 2018-2019 Documentation
- Course Coding and Supplementary Weighting
- Information for Vendors

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## SCED Spotlight: Iowa Community College Courses

### SCED Codes and Contact Minutes for Community College Courses

- **Document Type:** Student Reporting in Iowa
- **Date:** Wednesday, April 10, 2019

### Table: Community College Courses

<table>
<thead>
<tr>
<th>Community College IPED Number</th>
<th>Community College Name</th>
<th>CCN</th>
<th>Course Title</th>
<th>Contact Minutes if taught on Community College campus or online (if known)</th>
<th>SCED Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>153296 or 153922</td>
<td>Iowa Valley</td>
<td>ACC111</td>
<td>Introduction to Accounting</td>
<td>2640</td>
<td>12104C037uu</td>
</tr>
<tr>
<td>153296 or 153922</td>
<td>Iowa Valley</td>
<td>ACC112</td>
<td>Intro to Accounting II</td>
<td>2640</td>
<td>12104C037uu</td>
</tr>
<tr>
<td>153296 or 153922</td>
<td>Iowa Valley</td>
<td>ACC121</td>
<td>Principles of Accounting I</td>
<td>2640</td>
<td>12104C037uu</td>
</tr>
<tr>
<td>153296 or 153922</td>
<td>Iowa Valley</td>
<td>ACC122</td>
<td>Principles of Accounting II</td>
<td>2640</td>
<td>12104C037uu</td>
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<td>153296 or 153922</td>
<td>Iowa Valley</td>
<td>ACC161</td>
<td>Payroll Accounting</td>
<td>2640</td>
<td>12110C037uu</td>
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<td>153296 or 153922</td>
<td>Iowa Valley</td>
<td>ACC211</td>
<td>Intermediate Accounting I</td>
<td>2640</td>
<td>12104C037uu</td>
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<td>153296 or 153922</td>
<td>Iowa Valley</td>
<td>ACC212</td>
<td>Intermediate Accounting II</td>
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<td>153296 or 153922</td>
<td>Iowa Valley</td>
<td>ACC221</td>
<td>Cost Accounting</td>
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<td>12108C037uu</td>
</tr>
</tbody>
</table>
SCED Spotlight: Iowa
Core Courses for University Admission

RAI-Approved SCED Codes 2018: Individual List

Below is a list of SCED codes that have been approved for the Regents Admission Index (RAI). The first five digits of the 11 digit SCED codes are included in the table below. Please note that the sixth digit of the SCED code, which represents the level of instruction, must be G, H, E, or C for the SCED code to be counted toward the RAI (some S levels may count).

<table>
<thead>
<tr>
<th>SCED</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>01001</td>
<td>English/Language Arts I (9th grade)</td>
</tr>
<tr>
<td>01002</td>
<td>English/Language Arts II (10th grade)</td>
</tr>
<tr>
<td>01003</td>
<td>English/Language Arts III (11th grade)</td>
</tr>
<tr>
<td>01004</td>
<td>English/Language Arts IV (12th grade)</td>
</tr>
<tr>
<td>01005</td>
<td>AP English Language and Composition</td>
</tr>
<tr>
<td>01006</td>
<td>AP English Literature and Composition</td>
</tr>
<tr>
<td>01007</td>
<td>IB Language A (English)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>02052</td>
<td>Algebra I</td>
</tr>
<tr>
<td>02054</td>
<td>Algebra I - Part 2</td>
</tr>
<tr>
<td>02056</td>
<td>Algebra II</td>
</tr>
<tr>
<td>02057</td>
<td>Algebra III</td>
</tr>
<tr>
<td>02061</td>
<td>Integrated Math - multi-year equivalent</td>
</tr>
<tr>
<td>02062</td>
<td>Integrated Mathematics 1</td>
</tr>
<tr>
<td>02063</td>
<td>Integrated Mathematics 2</td>
</tr>
<tr>
<td>02064</td>
<td>Integrated Mathematics 3</td>
</tr>
</tbody>
</table>
SCED Spotlight: Iowa


National Forum on Education Statistics

Overview
Publications
Current Projects
Online Courses
School Courses for the Exchange of Data (SCED)
  • Introduction to SCED
  • SCED Version 6 Resources

SCED Case Studies

Case Studies provide examples of best practices for SCED implementation and use in education agencies.

Iowa SCED Case Study

Virginia SCED Case Study
SCED Resources

• SCED Finder
• Forum Guide to SCED
• SCED Master List
• SCED Video Series
• SCED Frequently Asked Questions
Action Items for PESC Members

- Visit the Forum website [https://nces.ed.gov/forum/](https://nces.ed.gov/forum/)
- Review SCED and other Forum resources
- Provide feedback
- Send Michael to Forum meetings with suggestions
Questions?
Thank You and Contact Information

- Ghedam Bairu, NCES: Ghedam.bairu@ed.gov
- Download free Forum resources at: http://nces.ed.gov/forum/publications.asp