

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.

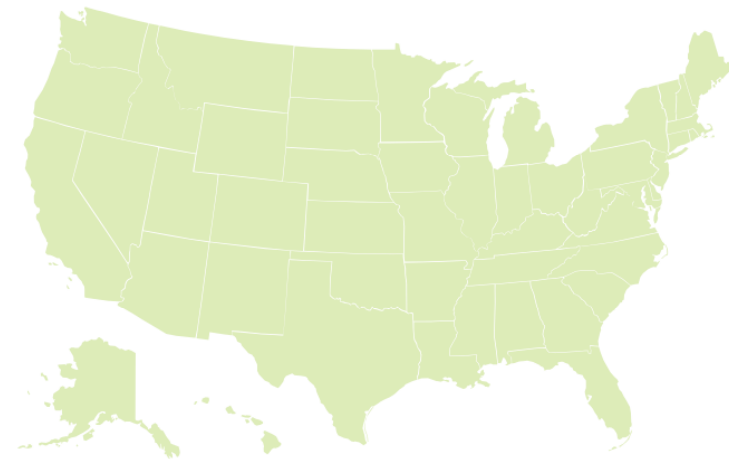


Presentation Outline

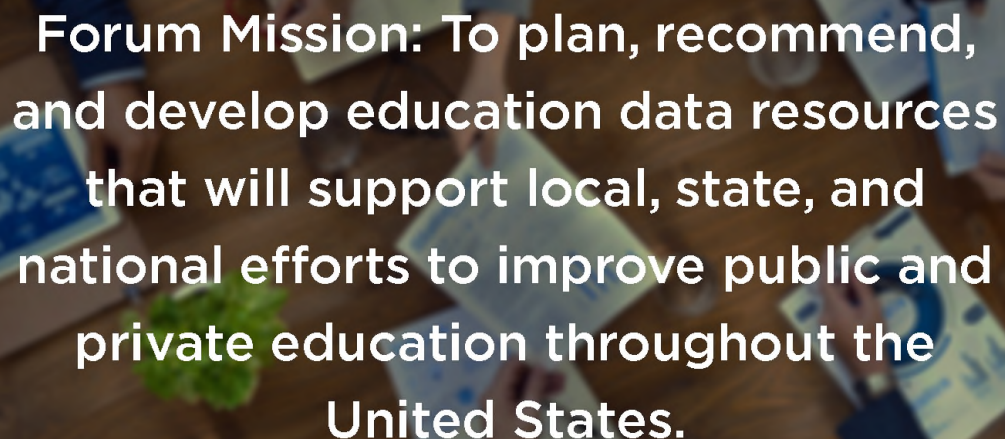
- National Forum on Education Statistics (Forum)
- SCED Classification System
- SCED History and Development
- Iowa's Use of SCED for Postsecondary
- Questions and Discussion

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.

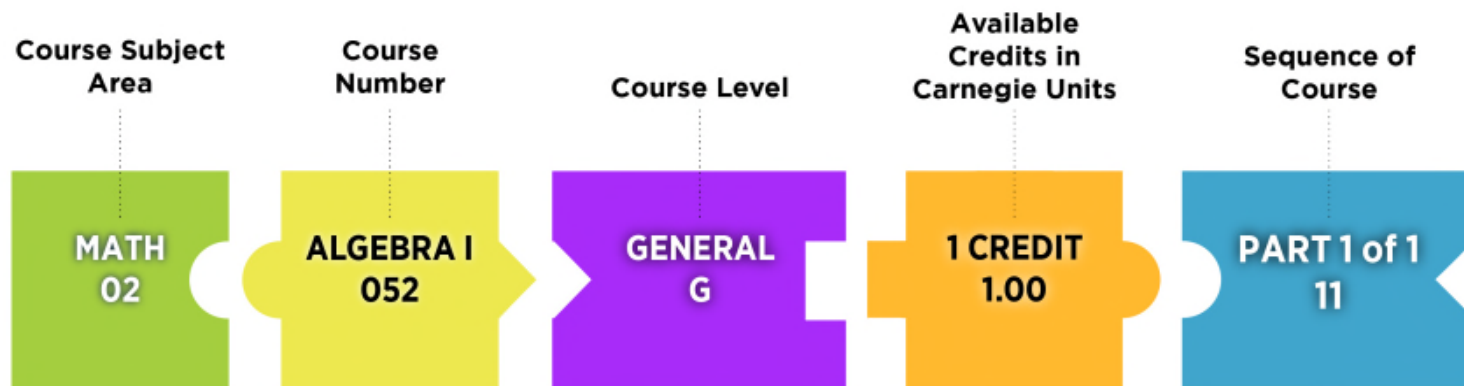
State education agencies (SEAs) use SCED to

- 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



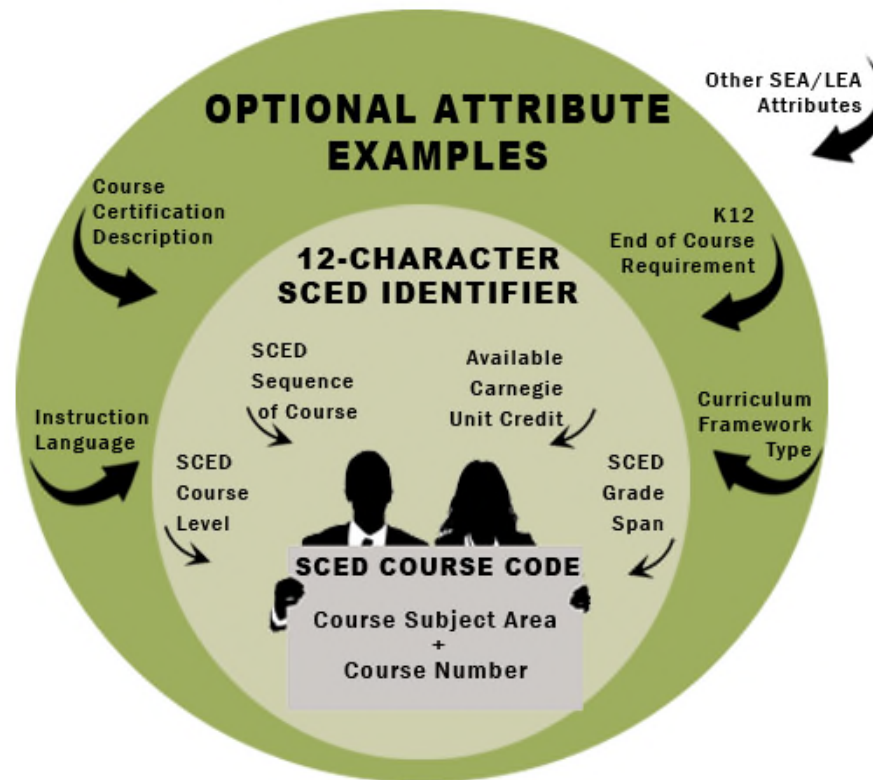
02052G1.0011
ALGEBRA I

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

SCED Framework

A course is more than a 5-digit code



SCED Optional Attributes

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>. Many SEAs and LEAs also create their own attributes.

SCED History

| | |
|-------------|--|
| 2007 | Secondary SCED |
| 2011 | Prior-to-Secondary SCED |
| 2014 | SCED Version 2.0 and <i>Forum Guide to SCED</i> |
| 2015 | SCED Version 3.0 and SCED Finder |
| 2016 | SCED Version 4.0 |
| 2017 | SCED Version 5.0 |
| 2018 | SCED Version 6.0 |

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

Home Adult, Career and Community College PK-12 Data and Reporting Resources Education Jobs



Home » Data and Reporting » Data Reporting

Data and Reporting

[All Documents by Category](#)

Data Reporting

[BEDS](#)

[CASA](#)

[Certified Enrollment](#)

[Civil Rights Data Collection Survey](#)

[Data Access, Sharing and Privacy](#)

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](#)

Contact(s)

Margaret Hanson
515-281-3214
margaret.hanson@iowa.gov

Rachel Kruse
515-281-4153
rachel.kruse@iowa.gov

SCED Spotlight: Iowa Community College Courses



IOWA
Department of Education



[Home](#)

SCED Codes and Contact Minutes for Community College Courses

Document Type: [Student Reporting In Iowa](#)

Date: Wednesday, April 10, 2019

[SCED Codes and Contact Minutes for Community College Courses April 2019.xlsx](#)

| Community College IPED Number | Community College Name | CCN | Course Title | Contact Minutes if taught on Community College campus or on-line (if known) | SCED Code |
|----------------------------------|---------------------------|--------|-----------------------------|---|-------------|
| 153296 or 153922 | Iowa Valley | ACC111 | Introduction to Accounting | 2640 | 12104C037uu |
| 153296 or 153922 | Iowa Valley | ACC112 | Intro to Accounting II | 2640 | 12104C037uu |
| 153296 or 153922 | Iowa Valley | ACC121 | Principles of Accounting I | 2640 | 12104C037uu |
| 153296 or 153922 | Iowa Valley | ACC122 | Principles of Accounting II | 2640 | 12104C037uu |
| 153296 or 153922 | Iowa Valley | ACC161 | Payroll Accounting | 2640 | 12110C037uu |
| 153296 or 153922 | Iowa Valley | ACC211 | Intermediate Accounting I | 2640 | 12104C037uu |
| 153296 or 153922 | Iowa Valley | ACC212 | Intermediate Accounting II | 2640 | 12104C037uu |
| 153296 or 153922 | Iowa Valley | ACC221 | Cost Accounting | 2640 | 12108C037uu |

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).

| SCED | Course Name |
|-------|--|
| 01001 | English/Language Arts I (9th grade) |
| 01002 | English/Language Arts II (10th grade) |
| 01003 | English/Language Arts III (11th grade) |
| 01004 | English/Language Arts IV (12th grade) |
| 01005 | AP English Language and Composition |
| 01006 | AP English Literature and Composition |
| 01007 | IB Language A (English) |

| | |
|-------|---|
| 02052 | Algebra I |
| 02054 | Algebra I - Part 2 |
| 02056 | Algebra II |
| 02057 | Algebra III |
| 02061 | Integrated Math - multi-year equivalent |
| 02062 | Integrated Mathematics 1 |
| 02063 | Integrated Mathematics 2 |
| 02064 | Integrated Mathematics 3 |

SCED Spotlight: Iowa

https://nces.ed.gov/forum/sced_case_studies.asp

IES : NCES National Center for Education Statistics 



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

School Courses for the Exchange of Data (SCED)

| Course Title | SCED Course Code | Course Description |
|--|------------------|---|
| English/Language Arts I (9th grade) | 01001 | English/Language Arts I focuses on word usage, and the mechanics of writing, speaking, and listening with writing exercises. |
| English/Language Arts II (10th grade) | 01002 | English/Language Arts II Typically, students learn to write persuasive, critical, and analytical essays. In addition, students learn the author's intent and message. |
| English/Language Arts III (11th grade) | 01003 | English/Language Arts III focuses on logical writing pattern, writing research paper, and writing assignments. L |
| English/Language Arts IV (12th grade) | 01004 | English/Language Arts IV focuses on writing assignments. L |

FORUM GUIDE TO
School Courses for the
Exchange of Data (SCED)
Classification System

School Courses for the Exchange
of Data (SCED): An Introduction

Search Subject Codes

Browse by Subject Codes

My Course Lists

Search by keyword:

Enter keyword to begin search

Action Items for PESC Members

- Visit the Forum website <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>

