

A Brief Comparison of the FAEIS and IPEDS Systems

FAEIS Expert Panel
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Quick facts about FAEIS and IPEDS

| | FAEIS | IPEDS |
|--------------------------|---|--|
| Employees | 1 full time, 3 principal investigators, 4 graduate research assistants | 11 full time |
| Reporting data is -- | Voluntary | Required |
| # Institutions Reporting | About 1120 | Over 6700 |
| Kinds of Institutions | <i>252 Affiliate Organizations:</i> 1862 Land Grant, 1890 Land Grant, 1994 Land Grant <i>868 Unaffiliated:</i> Private, Other | All that participate in federal student financial aid programs |
| Data comes from -- | Agricultural, natural resource, life, food, veterinary, & human science disciplines | All departments of entire institution |
| Who reports data -- | Colleges & departments where disciplines reside | Institutional Research offices |

Overview of data collected at FAEIS and IPEDS

| FAEIS | IPEDS |
|------------------------------------|------------------------------------|
| Fall semester student enrollment | Fall semester student enrollment |
| Faculty headcount & average salary | Faculty headcount & average salary |
| Degrees awarded | Degrees awarded |
| College enrollment | Academic year student enrollment |
| Student placement | Student persistence & success |
| | Institutional prices |
| | Student financial aid |
| | Institutional characteristics |

FAEIS always collects all data by CIP codes.
IPEDS collects only degrees awarded by CIP codes.

| | FAEIS | IPEDS |
|---|--|---|
| Fall enrollment - by CIP codes | Yes | No |
| - by demographic variables | Gender Ethnicity | Gender Ethnicity |
| - by degree level (AA, BS, MS, PhD) | Yes | No* |
| Academic year enrollment - by CIP codes | n/a | No |
| - by demographic variables | - | Yes |
| Faculty (head count & salary) - by CIP codes | Yes | No |
| - by demographic variables | <i>Ethnicity</i> <i>Tenure Status</i> <i>Age</i> Gender Academic rank Contract length | - - - Gender Academic rank Contract length |
| Degrees Awarded - by CIP codes | Yes | Yes |
| - by demographic variables | Gender Ethnicity Degree level | Gender Ethnicity Degree level |

* IPEDS fall enrollment data are collected by student status (undergraduate, graduate), not by degree level.

IPEDS data are released to the public before they are complete.

Example: All Institutions: 30.1901 - Nutritional Sciences

| | 2007 | | 2008 | | 2009 | |
|--|------------------------|------------------------|------------------------|-------------------------------|-----------------------|-------------------------------|
| | IPEDS (3/7/11) | IPEDS (3/25/11) | IPEDS (3/7/11) | IPEDS (3/25/11) | IPEDS (3/7/11) | IPEDS (3/25/11) |
| Number of Doctorate Degrees Awarded | 124 <i>(n = 26)</i> | 124 <i>(n = 26)</i> | 112 <i>(n = 21)</i> | 129 <i>(n = 27)</i> | 59 <i>(n = 14)</i> | 132 <i>(n = 28)</i> |

How do we know when the IPEDS data are complete?

IPEDS reports on their website that after the collection period, they clean, review & quality check the data for about 4 months and then publicly release the data about 12 months later. This year of review is used for necessary changes, deletions, and additions to the data.

The 2008 data shown above were collected in Fall 2008. The data were reviewed until Jan. 2009 and publicly released in Jan. 2010. However, data were still changing 14 months after release.

The 2009 data shown above were collected in Fall 2009. The data were reviewed until Jan. 2010 and publicly released in Jan. 2011. However, 2 months after release, these numbers doubled.

Source: http://nces.ed.gov/ipeds/resource/survey_components.asp

IPEDS data are released to the public before they are complete.

Example: All Institutions: 30.1901 - Nutritional Sciences

| | 2007 | | 2008 | | 2009 | |
|--|------------------------|------------------------|------------------------|-------------------------------|-----------------------|-------------------------------|
| | IPEDS (3/7/11) | IPEDS (3/25/11) | IPEDS (3/7/11) | IPEDS (3/25/11) | IPEDS (3/7/11) | IPEDS (3/25/11) |
| Number of Doctorate Degrees Awarded | 124 <i>(n = 26)</i> | 124 <i>(n = 26)</i> | 112 <i>(n = 21)</i> | 129 <i>(n = 27)</i> | 59 <i>(n = 14)</i> | 132 <i>(n = 28)</i> |

In contrast, FAEIS data are cleaned, reviewed, quality checked and then released to the public about 6 months after they are collected.

FAEIS collects FALL ENROLLMENT data by CIP codes every year. IPEDS collects these data by 6 fields of study every two years.

Example: Texas A&M University: Bachelor's students

| CIP discipline | 2008 | | 2009 | |
|---|-------------|----------|-------------|----------|
| | FAEIS | IPEDS | FAEIS | IPEDS |
| 01.0102 - Agribusiness/Agricultural Business Operations | 277 | - | 290 | - |
| 01.0101 - Agricultural Business and Management, General | 149 | - | 127 | - |
| 01.0802 - Agricultural Communication/Journalism | 135 | - | 138 | - |
| 01.0103 - Agricultural Economics | 352 | - | 368 | - |
| 01.0801 - Agricultural and Extension Education Services | 658 | - | 542 | - |
| 01.000 - Agriculture, General | 333 | - | 237 | - |
| 01.1102 - Agronomy and Crop Sciences | 99 | - | 124 | - |
| 01.0901 - Animal Sciences, General | 754 | - | 725 | - |
| 01.0699 - Applied Horticulture/Horticultural Business Services, Other | 162 | - | 151 | - |
| 01.0905 - Dairy Science | 5 | - | 5 | - |
| 01.1001 - Food Science | 98 | - | 101 | - |
| 01.0603 - Ornamental Horticulture | 3 | - | 4 | - |
| 01.0907 - Poultry Science | 137 | - | 151 | - |
| 01.1106 - Range Science and Management | 107 | - | 84 | - |
| Total | 3269 | - | 3047 | - |

IPEDS data for FALL ENROLLMENT in 6 major fields are available every 2 years. FAEIS data are available by CIP code every year including 2010.

Example: Texas A&M University: Bachelor's students

| | 2008 | | 2009 | | 2010 | |
|--|-------|-------|-------|-------|-------|--------------------|
| | FAEIS | IPEDS | FAEIS | IPEDS | FAEIS | IPEDS |
| 13.0000 – Education | - | 20 | - | - | - | Available Jan 2012 |
| 13.1301 – Agricultural Teacher Education | 91 | - | 121 | - | 127 | - |

Many users of FAEIS report that they use FAEIS because they “want to know what’s happening *now*.”

IPEDS collects FALL ENROLLMENT data for **only** 6 undergraduate aggregated fields of study, and **only** in even numbered years.

Example: Texas A&M University: Undergraduates

| Major field of study | 2008 | | 2009 | |
|---|-------|-------|-------|-------|
| | FAEIS | IPEDS | FAEIS | IPEDS |
| 13.0000 - Education | - | 20 | - | - |
| 14.0000 - Engineering | - | 6549 | - | - |
| 26.0000 - Biological Sciences/Life Sciences | - | 3789 | - | - |
| 27.0000 - Mathematics | - | 285 | - | - |
| 40.0000 - Physical Sciences | - | 731 | - | - |
| 52.0000 - Business Management and Administrative Services | - | 5039 | - | - |

Also, IPEDS collects fall enrollment data for 3 graduate fields of study:

22.0101 - Law (LL.B, J.D.)

51.0401 - Dentistry (D.D.S, D.M.D)

51.1201 - Medicine (M.D.)

In contrast, FAEIS provides data for fall enrollment by disaggregated CIP codes.

FAEIS collects average FACULTY SALARY data by CIP code. IPEDS only collects these data aggregated at the institution level.

Example: Texas A&M University: Assistant Professors

| | 2007 | | 2008 | | 2009 | |
|---|----------|----------|----------|----------|----------|----------|
| | FAEIS | IPEDS | FAEIS | IPEDS | FAEIS | IPEDS |
| 01.0103 - Agricultural Economics Assistant Professors | \$74,855 | - | \$80,340 | - | \$77,249 | - |
| 01.0901 - Animal Sciences Assistant Professors | \$76,509 | - | \$79,161 | - | \$79,161 | - |
| Total Institution Assistant Professors | - | \$67,395 | - | \$68,634 | - | \$68,371 |

Faculty salary data, as well as faculty headcount data, can also be reported by ethnicity in FAEIS but not in IPEDS.

Faculty data are reported by gender in both FAEIS and IPEDS.

There are several key differences
between FAEIS and IPEDS

- FAEIS collects finer enrollment data, but from fewer institutions
- FAEIS fall enrollment data are released ~10 months before IPEDS data
- FAEIS collects finer data (CIP and ethnicity) on faculty, but from fewer institutions
- IPEDS won't give you a customized report, but the FAEIS Help Desk is very helpful!