A Brief Comparison of the FAEIS and IPEDS Systems

FAEIS Expert Panel Meeting

April 8, 2011

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	*252 Affiliate Organizations:* 1862 Land Grant, 1890 Land Grant, 1994 Land Grant *868 Unaffiliated:* Private, Other	All that participate in federal student financial aid programs
Data come 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	*Ethnicity* *Tenure Status* *Age* 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 *(n = 26)*	124 *(n = 26)*	112 *(n = 21)*	*129* *(n = 27)*	59 *(n = 14)*	*132* *(n = 28)*

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 (n = 26)	124 (n = 26)	112 (n = 21)	*129* (n = 27)	59 (n = 14)	*132* (n = 28)

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 9 fields of study every 2 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 FAEIS	2008 IPEDS	2009 FAEIS	2009 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 average salary data can be reported by race/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!