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Exploring baccalaureate degrees awarded at Land-grant institutions by program area and U.S. region

For the December newsletter we explored the number of degrees awarded by program area and region of the United States. We investigated the baccalaureate degrees awarded among three program areas: 1) agriculture, agriculture operations, and related sciences; 2) family and consumer/human sciences, and 3) natural resources and conservation. The FAEIS website provides a description of the CIP codes within [the agriculture program area](#), [the family and consumer sciences program area](#), and [the natural resources and conservation program area](#). To explore regional differences across the United States we divided the U.S. into four regions: the South, Northeast, North Central, and West. Below is a map identifying the states within each region.

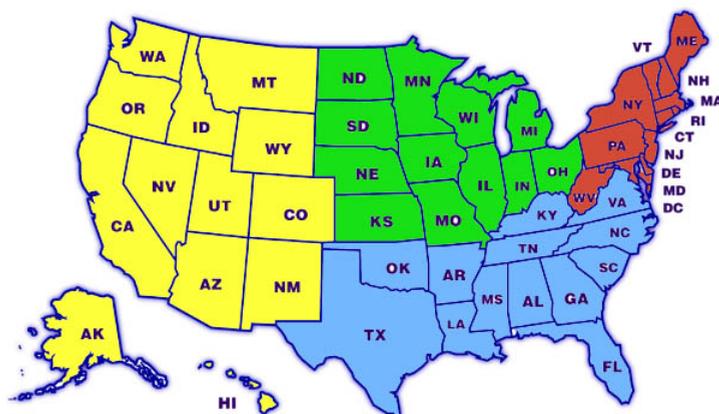


Figure 1. Map of the four U.S. regions: the West (yellow), North Central (green), Northeast (red), and South (blue).

Longitudinal analyses were conducted with the degrees awarded data comparing the number of degrees awarded within each U.S. region and program area for the reporting years of 2007 to 2011. Baccalaureate degrees awarded data were collected from 70 Land-grant higher education institutions across the United States.

Table 1. States and Institutions within Each U.S. Region.

U.S. Region	States	Land-Grant Institutions (n=70)
South	13	26 (each state has 1862 and 1890 Land-grant institutions)
Northeast	13	16 (Maryland, West Virginia, and Delaware have 1890 Land-grant institutions)
North Central	12	13 (Missouri has an 1890 Land-grant institution)
West	13	15 (California has three 1862 Land-grant institutions)

Southern region leads in agriculture degrees

We explored baccalaureate degrees awarded in agriculture, agriculture operations, and related sciences programs by U.S. regions (Figure 2). The analysis included 70 Land-grant institutions across the United States from data reported from 2007 to 2011. Based on our analyses we found the following results.

- More baccalaureate degrees were awarded in agriculture, agriculture operations, and related sciences programs in the Southern region, followed by the North Central region, the Northeast region, and the Western region.
- The greatest percentage growth in baccalaureate degrees was in the Western region (25.3%), followed by the North Central region (17.0%), Southern region (16.1%), and the Northeast region (10.7%).

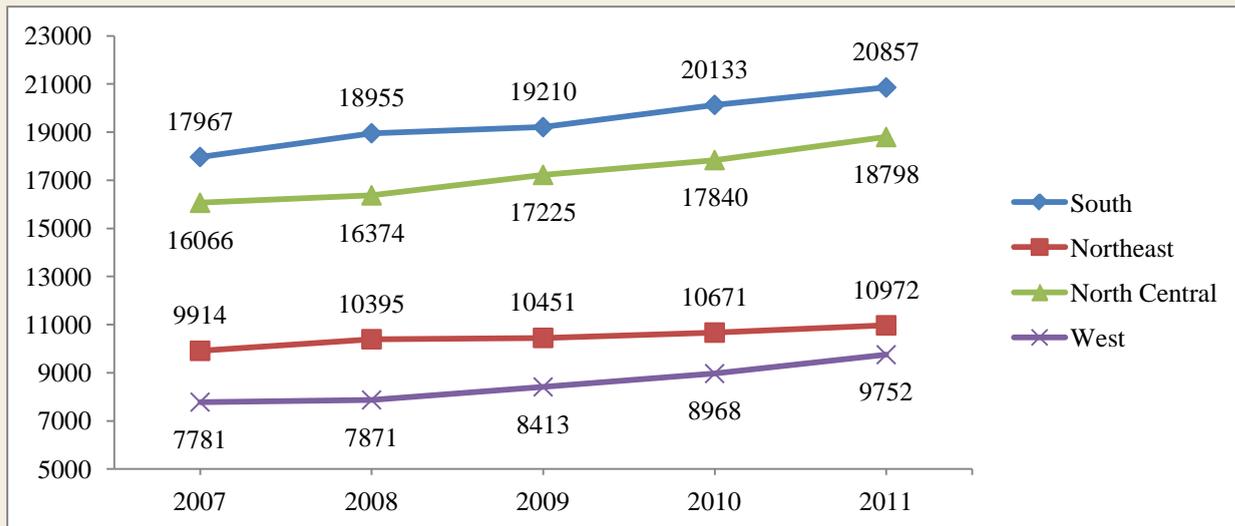


Figure 2. Baccalaureate degrees awarded in agriculture, agriculture operations, and related sciences programs in U.S. regions.

Western region leads in natural resources and conservation degrees

We explored baccalaureate degrees awarded in natural resources and conservation programs by U.S. regions (Figure 3). Based on our analyses we found the following results.

- More baccalaureate degrees were awarded in natural resources and conservation programs in the Western region, followed by the Southern region, the Northeast region, and the North Central region.
- The greatest percentage growth in baccalaureate degrees was in the Western region (42.2%), followed by the Northeast region (26.1%), the North Central region (23.4%), and the Southern region (22.0%).

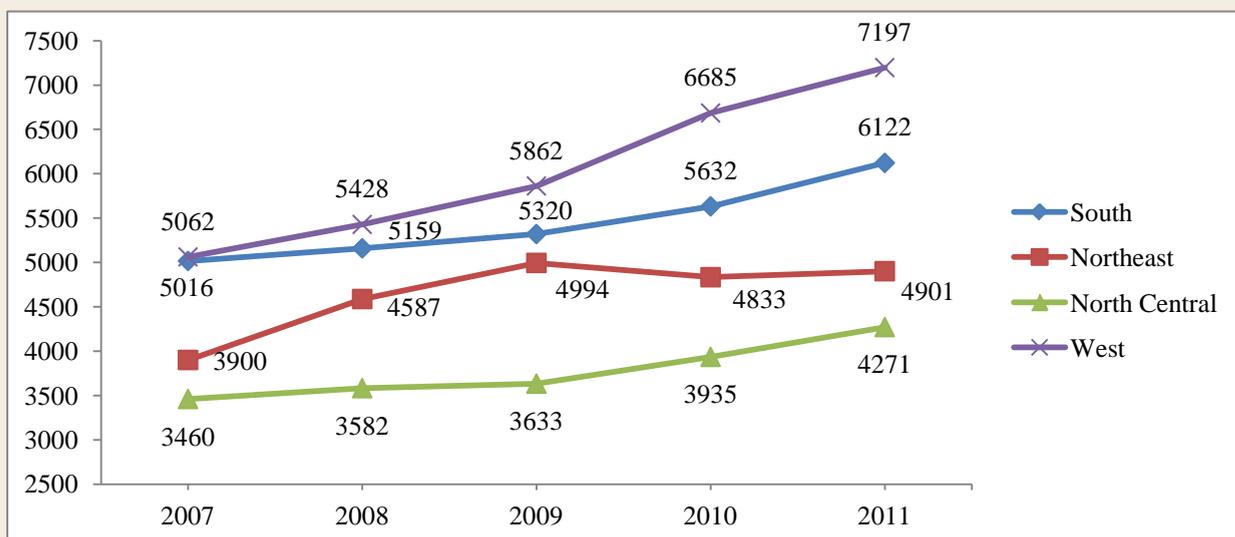


Figure 3. Baccalaureate degrees awarded in natural resources and conservation programs in U.S. regions.

North Central region leads in family and consumer sciences/human sciences degrees

We then investigated baccalaureate degrees awarded in family and consumer sciences/human sciences programs by U.S. regions (Figure 4). Based on our analyses we found the following results.

- More baccalaureate degrees were awarded in family and consumer sciences/human sciences programs in the North Central region, followed by the Southern region, the Western region, and the Northeast region.
- The greatest percentage growth in baccalaureate degrees was in the Western region (11.2%), followed by the Northeast region (9.0%), the North Central region (6.6%), and the Southern region (-1.3%).

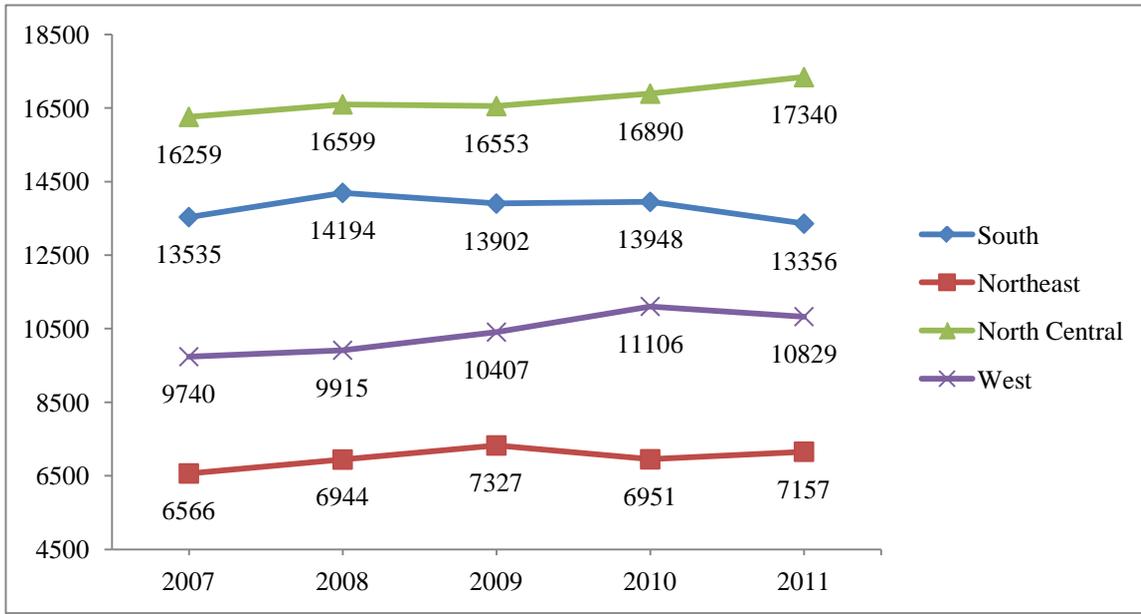


Figure 4. Baccalaureate degrees awarded in family and consumer sciences/human sciences programs in U.S. regions.





Contributors >>>

Editors

Dr. Mary A. Marchant

Bill Richardson

Dr. Eric Smith

Dr. Eric Vance

Dr. Timothy P. Mack

Data Analyst

Dr. Lisa Hightower

Graphic Designer and Writer

Dr. Lisa Hightower



The FAEIS Team

Bill Richardson

Dr. Mary A. Marchant

Dr. Eric Smith

Dr. Eric Vance

Dr. Timothy P. Mack

Dr. Lisa Hightower

Hao Lu

Photos provided by

Kelsey Kradel

John McCormick

