

THE ANNUAL
CONDITION OF IOWA'S
COMMUNITY COLLEGES
2009



COMMUNITY COLLEGES &
WORKFORCE PREPARATION



THE ANNUAL
CONDITION OF IOWA'S
COMMUNITY COLLEGES
2009

WITH A SPECIAL SUPPLEMENT ON WORKFORCE OUTCOMES

IOWA DEPARTMENT OF EDUCATION
DIVISION OF COMMUNITY COLLEGES AND WORKFORCE PREPARATION
BUREAU OF COMMUNITY COLLEGE SERVICES

STATE OF IOWA
DEPARTMENT OF EDUCATION
GRIMES STATE OFFICE BUILDING
DES MOINES, IOWA

STATE BOARD OF EDUCATION

Rosie Hussey, President, Clear Lake
Charles C. Edwards, Jr., Vice President, Des Moines
Sister Jude Fitzpatrick, West Des Moines
Brian Gentry, Des Moines
Wayne Kobberdahl, Council Bluffs
Valorie J. Kruse, Sioux City
Anna Lopez-Dawson, Pella
Max Phillips, Woodward
LaMetta Wynn, Clinton
Frank Scaglione, II, (Student Member), Cambridge

ADMINISTRATION

Judy A. Jeffrey, Director and Executive Officer
of the State Board of Education
Gail M. Sullivan, Chief of Staff

DIVISION OF COMMUNITY COLLEGES AND WORKFORCE PREPARATION

Roger Utman Ph.D, Administrator

BUREAU OF COMMUNITY COLLEGE SERVICES

Colleen Hunt – Bureau Chief
Vladimir Bassis – Consultant
Kent Farver – Consultant
Geoff Jones – Information Specialist
Tom Schenk Jr. – Consultant
Jeremy Varner – Consultant
Amy Vybiral – Consultant

It is the policy of the Iowa Department of Education not to discriminate on the basis of race, creed, color, sex, sexual orientation, gender identity, national origin, gender, disability, religion, age, political party affiliation, or actual or potential parental, family or marital status in its programs, activities, or employment practices as required by the Iowa Code sections 216.9 and 256.10(2), Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. § 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. §§ 1681 – 1688) Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or grievances related to compliance with this policy by the Iowa Department of Education, please contact the legal counsel for the Iowa Department of Education, Grimes State Office Building, 400 E 14th St, Des Moines IA 50319-0146, telephone number 515/281-5295, or the Director of the Office for Civil Rights, U.S. Department of Education, 111 N. Canal Street, Suite 1053, Chicago, IL 60606-7204.

ACKNOWLEDGEMENTS

Many people have contributed to the redesign of *The Annual Condition of Iowa's Community Colleges: 2009*. The project was supervised by Dr. Roger Utman and Colleen Hunt. The report was compiled and written by Vladimir Bassis, Kent Farver, Tom Schenk, Jeremy Varner, and Amy Vybiral. Geoff Jones also assisted in the compilation of data. Xiaoping Wang assisted in matching Community College MIS data with Project EASIER. Leanne Gerald and Gail Kotvail provided data from the Iowa Department of Economic Development. Dr. Keith Greiner from Iowa College Student Aid Commission also provided external data. Stephanie Weeks edited this document and provided invaluable feedback.

TABLE OF CONTENTS

SECTIONS

Section 1	Iowa Community Colleges	1
Section 2	Fall Credit Enrollment	7
Section 3	Fiscal Year Credit Enrollment and Demographics	21
Section 4	Online Credit Enrollment and Demographics	49
Section 5	Joint Enrollment and Demographics	69
Section 6	Credit Student Awards	87
Section 7	Credit Programs	131
Section 8	Non-Credit Enrollment and Programs	135
Section 9	Adult Literacy	155
Section 10	Economic Development	171
Section 11	Apprenticeship	177
Section 12	Success of Students	183
Section 13	Tuition and Fees	199
Section 14	Financial Aid	211
Section 15	Financial	215
Section 16	Human Resources	241
Section 17	Special Supplement: Workforce Outcomes	273

APPENDICES

Appendix A	Glossary	269
Appendix B	References	273
Appendix C	Index	275

1

IOWA'S COMMUNITY COLLEGES

"The mission of the community colleges of Iowa in the 21st century is to provide exemplary educational and community services to meet the needs and enhance the lives of Iowans."

SOURCE: "Shaping the Future: A Five-Year Plan for the Community Colleges of Iowa, 2006-2011"

Community colleges have an "open door" policy, which means that nearly everyone who applies may be accepted.

Each of the 15 community colleges offers comprehensive programs including Arts and Sciences, College Transfer (Parallel) courses, Career and Technical Education programs, training and retraining programs for the workforce of Iowa's businesses and industries, and a variety of adult education and non-credit courses for residents of each community college district.

History of Iowa's Community Colleges

Mason City schools established the first two-year postsecondary educational institution in Iowa in 1918. At the time this junior college was organized, there was no law authorizing two-year postsecondary educational programs. Mason City Junior College proved to be successful and was accredited by the North Central Association of Colleges and Schools in 1919.

Additional public junior colleges were organized beginning in 1920, and the movement spread rapidly, until, by 1930, at least 32 towns and cities in Iowa had organized public junior colleges as part of their public school systems.

In 1927, the 42nd General Assembly passed the first law authorizing the establishment of public junior colleges. The law permitted the establishment of schools offering instructional programs at a level higher than an approved four-year high school course. The colleges had to be dually authorized by the voters and approved by the State Superintendent of the Iowa Department of Public Instruction (now the Director of the Iowa Department of Education). Such colleges were able to include postsecondary courses of one or two years. The Superintendent was authorized to prepare standards and to provide adequate inspection of these junior colleges.

The Iowa public junior college movement reached its crest in 1927 when nine public junior colleges were

organized. After the year 1930, no public junior colleges were organized until 1946, when Clinton Junior College was founded. In 1931, the 44th General Assembly approved the first restriction to the development of public junior colleges, prohibiting the establishment of a public junior college in any school district having a population of less than 20,000. The 49th General Assembly in 1941 reduced the population requirement to 5,000.

Between the years 1918 and 1953, a total of 35 different public junior colleges were established through the operation of public school districts. Some of these colleges closed, although 10 of the closed colleges later reopened. The enrollment trend steadily increased over the years with the exception of the World War II years. During the 1955-66 decade, which immediately preceded the initiation of a community college system, enrollment almost quadrupled. By 1965, 16 public junior colleges were operating in Iowa and the total enrollment during the fall semester of the 1965-66 school year was 9,110. Local public school districts operated colleges; a dean who reported directly to the local superintendent administered each. These institutions offered arts and sciences programs equivalent to the first two years of the baccalaureate program and a limited number of occupational programs and adult education opportunities.

In 1958, Congress initiated a development parallel to the public junior college movement. Title VIII of the National Defense Education Act (NDEA) made federal funds available to states on a matching basis to develop area vocational programs. To implement this legislation, the Iowa State Board of Education modified the state vocational education plan to make local school districts and Iowa State University eligible to operate as "area schools." This legislation included a specific allocation of funds to develop area vocational programs under NDEA's Title VIII, a designation of area vocational-technical high schools, and the authorization for tuition-paying students to attend these schools and programs.

The Iowa State Board of Education eventually designated a total of 15 schools as area vocational-technical high schools. These schools were also designated as area schools for the purposes of Title VIII, and were to be used to initiate programming for the Manpower Development and Training Act. A total of 1,816 full-time day students enrolled in postsecondary vocational programs for the 1965-66 school year; the majority entered programs administered by agencies operating the area vocational-technical high schools or programs.

Even though public junior colleges and area vocational-technical high schools offered some opportunities for arts and sciences and preparatory vocational education, enrollment opportunities were limited for most Iowans. In 1959, the 58th General Assembly appropriated \$25,000 to the Iowa Legislative Research Bureau to conduct a policy study of the needs of higher education in Iowa. Included in this report was a recommendation to establish regional community colleges. The report also recommended the state pay at least half the cost of building and operating these colleges. As a result of this study, the General Assembly directed the Iowa Department of Education to conduct a two-year study of the need to develop a statewide system of public community colleges.

The Iowa Department of Education submitted its report, "Education Beyond High School Age: The Community College," to the General Assembly in December 1962. The report made recommendations and proposed enabling legislation. It recommended restructuring the county educational system and forming 16 area education districts whose boundaries should be drawn along existing school district lines. These districts were intended to replace the county boards of education and provide programs and services that would complement those provided by local school districts. It was envisioned that the area districts would also serve as a legal structure through which a statewide system of community colleges could be developed.

In 1963, the 60th General Assembly took no action on the report. An interim legislative committee concluded that it would be appropriate to put vocational and two-year college education together in a single comprehensive system, but separated the county board consolidation issue (area education agencies were later established by the legislature in 1974). Staff of the Iowa Department of Education worked closely with various groups throughout the state, and arrived at conclusions similar to those of the interim committee. Passage of the Vocational Education Act of 1963 provided additional impetus to this planning.

After receiving the interim committee's report in 1964, the 61st General Assembly in 1965 enacted legislation that permitted the development of a statewide system

of two-year postsecondary educational institutions, identified as "merged area schools." The Iowa Department of Education was to direct the operation of the development of merged area schools as either area community colleges or area vocational schools.

Legislation authorizing merged area schools, which are now referred to as "community colleges," provided for fiscal support for these institutions through a combination of student tuition and federal, state, and local funds. These resources included a local three-quarter mill levy on the property within the merged area for operational purposes, and an additional three-quarter mill levy for the purchase of sites and construction of buildings. State general aid was distributed to community colleges on the basis of \$2.25 per day for the average daily enrollment of full-time equivalent students who were residents of Iowa. The 63rd General Assembly changed this formula in 1969 to determine enrollment and state aid on the basis of actual contact hours of instruction. Individual colleges were granted authority to establish tuition rates, except that tuition was not to exceed the lowest tuition rate charged by any one of Iowa's three Regent Universities.

Legislation approved in 1965 was enthusiastically received. The Iowa Department of Education received the first plan for a community college on July 5, 1965; one day after the legislation was effective. Plans for the other community colleges followed in quick succession. Although the original plans called for 20 areas, the number was quickly reduced to 16 and later one area was split among adjacent areas. Fourteen (14) community colleges were approved and organized in 1966, and a 15th in January 1967. Fourteen of these community colleges began operation during the 1966-67 school year.

Seven (7) districts were originally approved as Area Community Colleges: (current names)

- North Iowa Area Community College
- Iowa Lakes Community College
- Iowa Central Community College
- Iowa Valley Community College District
- Eastern Iowa Community College District
- Des Moines Area Community College
- Southeastern Community College

Eight (8) were approved as Area Vocational Schools: (current names)

- Northeast Iowa Community College
- Northwest Iowa Community College
- Hawkeye Community College
- Kirkwood Community College
- Western Iowa Tech Community College
- Iowa Western Community College
- Southwestern Community College
- Indian Hills Community College

By July 1970, all of the area vocational-technical high

schools and junior colleges had either merged into the new system or were discontinued. All areas of the state were included in community college service areas by July 1971.

The community colleges and area vocational schools grew quickly, both in terms of students served and services offered. In 1983, the Iowa Industrial New Jobs Training Act was established by the legislature adding contracted customized job training to the community colleges' list of services. Other job training programs followed, further expanding the role of community colleges in economic development. Currently, all 15 operate as comprehensive community colleges, offering arts and science (college transfer), vocational preparatory, and adult and continuing education programs. In 1987, Hawkeye Community College, the final Iowa college operating as a vocational school, received approval to operate as a comprehensive community college.

In 1989, the 73rd General Assembly passed Senate File 449, requiring that secondary vocational programs be competency based, and that the competencies be articulated with postsecondary vocational education. This resulted in increased cooperation between local education agencies and the community colleges and a growth in programs in which high school students are awarded college credit for coursework completed in these articulated programs. The Postsecondary Enrollment Options Act of 1989 and later supplemental weighting allowed high school students to jointly enroll in college credit courses in significantly greater numbers.

In the late 1990s, the majority of community colleges expanded their role in workforce development by becoming Workforce Investment Act primary service providers and housing one-stop centers.

In 1999, the 78th General Assembly passed House File 680 mandating the Department of Education convene a committee to identify and study options for restructuring the governance of Iowa's Community Colleges. The committee's final report, which was submitted to the Legislature in December 1999, reaffirmed the existing governance structure of Iowa's Community Colleges, with locally elected boards of directors and the State Board of Education with responsibility for statewide oversight and coordination. The study recommended the development of a statewide strategic plan for the system of community colleges.

House File 2433 mandates the development of a statewide strategic plan for the statewide system of community colleges every five years. The first plan was approved by community college presidents, the Iowa Association of Community College Trustees, and the State Board of Education, and forwarded to the legislature by July 2001. Specific goals included:

1. Provide high quality, comprehensive educational

programs and services accessible to all Iowans.

2. Develop high-skilled workers to meet the demands of Iowa's changing economy.
3. Maximize financial and human resources to assure provision of comprehensive community college services to Iowans and to allow Iowa to compete on a national and international level.
4. Demonstrate effectiveness and efficiency for achieving the system mission and goals.

In January 2003, the State Board of Education amended the Community College Strategic Plan to include a fifth goal:

5. Recruit, enroll, retain, and/or graduate persons of underrepresented groups (i.e., gender, race/ethnicity, socioeconomic status) in all programs.

Within six months of implementing HF 2433, a progress report was published summarizing statewide and local community college responses to the five-year plan, "Shaping the Future." Annual progress reports are compiled by the Department of Education and presented to the State Board of Education. In spring 2006, the State Board of Education approved the second five-year statewide community college strategic plan. The following August, the State Board of Education approved performance measures for the plan. Baseline data on each of the measures was reviewed. An annual report is provided to the State Board of Education on these performance measures.

Iowa Code

The statement of policy describing the educational opportunities and services to be provided by community colleges is included in Section 260C.1 of the Iowa Code. This statement of policy identifies the following as services that should be included in a community college's mission.

- The first two years of college work, including pre-professional education.
- Vocational and technical training.
- Programs for in-service training and retraining of workers.
- Programs for high school completion for students of post-high school age.
- Programs for all students of high school age who may best serve themselves by enrolling in vocational and technical training, while also enrolled in a local high school, public or private.
- Programs for students of high school age that

provide advanced college placement courses not taught at a student's high school while the student is also enrolled in the high school.

- Student personnel services.
- Community services.
- Vocational education for persons who have academic, socioeconomic, or other handicaps that prevent succeeding in regular vocational education programs.
- Training, retraining, and all necessary preparation for productive employment of all citizens.
- Vocational and technical training for persons who

are not enrolled in a high school and who have not completed high school.

- Developmental education for persons who are academically or personally under prepared to succeed in their program of study.

In 2006, the Iowa Department of Education created a book entitled *Forty Years of Growth and Achievement: A History of Iowa's Community Colleges*, which details the statewide, institutional history of the community colleges. For more information on the history of Iowa's community colleges, see this publication.

Area 1 (NICC)

Northeast Iowa Community College
Administrative Center
Box 400
Calmar, Iowa 52132

Area 2 (NIACC)

North Iowa Area Community College
Administrative Center
500 College Drive
Mason City, Iowa 50401

Area 3 (ILCC)

Iowa Lakes Community College
Administrative Center
19 South 7th Street
Estherville, Iowa 51334

Area 4 (NCC)

Northwest Iowa Community College
Administrative Center
603 West Park Street
Sheldon, Iowa 51201-1046

Area 5 (ICCC)

Iowa Central Community College
Administrative Center
330 Avenue M
Fort Dodge, Iowa 50501

Area 6 (IVCCD)

Iowa Valley Community College District
Administrative Center
3702 South Center Street
Marshalltown, Iowa 50158

Area 7 (HCC)

Hawkeye Community College
Administrative Center
1501 East Orange Road, Box 8015
Waterloo, Iowa 50704

Area 9 (EICCD)

Eastern Iowa Community College District
Administrative Center
306 West River Road
Davenport, Iowa 52801

Area 10 (KCC)

Kirkwood Community College
Administrative Center
6301 Kirkwood Blvd., S.W., Box 2068
Cedar Rapids, Iowa 52406-2068

Area 11 (DMACC)

Des Moines Area Community College
Administrative Center
2006 South Ankeny Blvd.
Ankeny, Iowa 50021

Area 12 (WITCC)

Western Iowa Tech Community College
Administrative Center
4647 Stone Avenue, Box 5199
Sioux City, Iowa 51102-5199

Area 13 (IWCC)

Iowa Western Community College
Administrative Center
2700 College Road, Box 4-C
Council Bluffs, Iowa 51502-3004

Area 14 (SWCC)

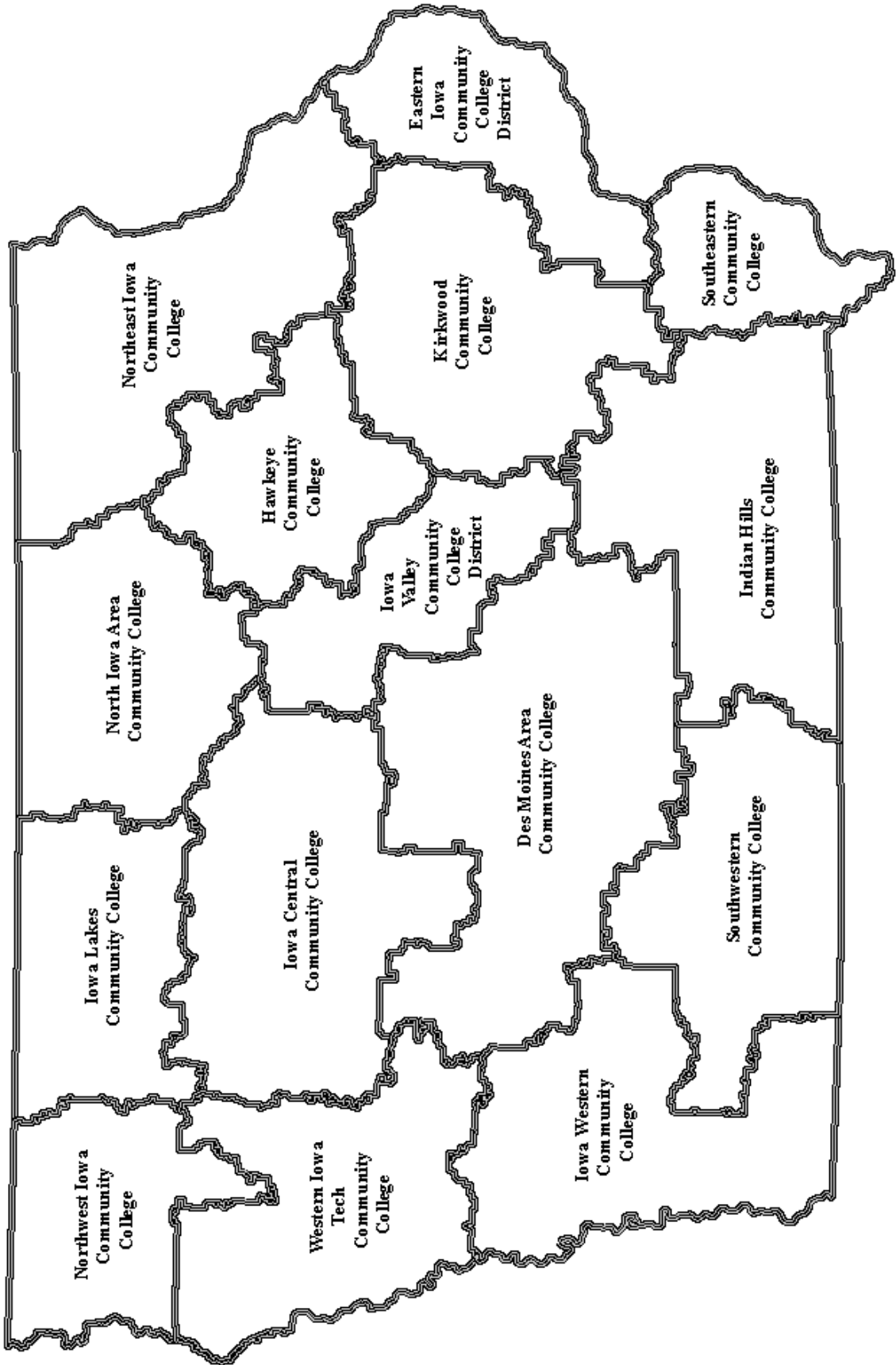
Southwestern Community College
Administrative Center
1501 West Townline Street
Creston, Iowa 50801

Area 15 (IHCC)

Indian Hills Community College
Administrative Center
525 Grandview Avenue
Ottumwa, Iowa 52501

Area 16 (SCC)

Southeastern Community College
Administrative Center
1015 South Gear Avenue, Box 180
West Burlington, Iowa 52655-0180



2

FALL ENROLLMENT

Each fall, the Iowa Department of Education collects enrollment data from Iowa’s community colleges on the 10th business day of the semester. The fall data collection contains data on the 2009-10 academic year (fiscal year 2010). This report is the only report on fiscal year 2010 until next year’s *Annual Condition of Iowa’s Community Colleges*.

Fall enrollment grew 14.3 percent to a record high of 100,736 students in fiscal year 2010 (Table 2-1). College enrollment has grown for 12 consecutive years since enrollment slipped in fiscal year 1997. In the 45-year history of the modern community college system, enrollment has only fallen four times (Figure 2-1).

This year’s enrollment has accelerated at the fastest pace since 1975. In 2008, enrollment grew only 1.2 percent last year. Nevertheless, enrollment growth is outpacing the projected nationwide growth in community colleges (Hussar and Bailey, 2008: Table 16).

Unlike the previous two years, full-time enrollment exceeded part-time enrollment. Slightly over half, 50.3 percent, of students were enrolled full-time - 12 or more credit hours. The last two years, part-time

HOW DOES FALL DIFFER FROM FISCAL YEAR



FALL

Collected on the 10th business day of the current year. Fall 2009 is a part of fiscal year 2010.



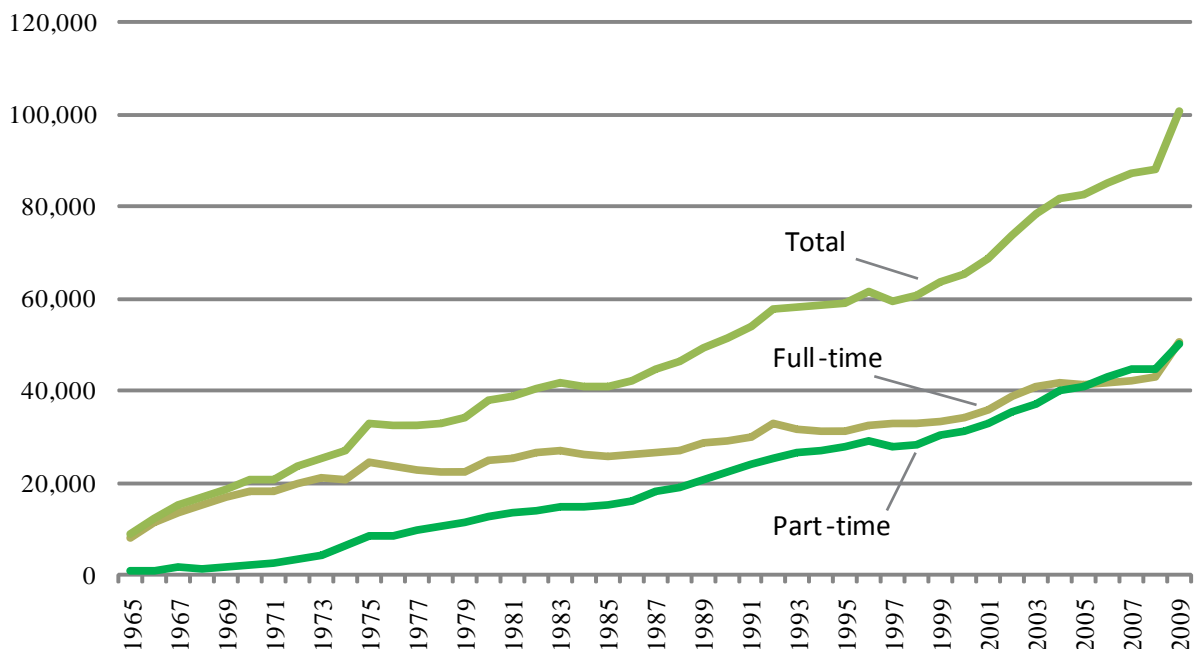
FISCAL YEAR

Collected at the end of the school year, after the end of the fiscal year. This report uses fiscal year 2009 data, which is also known as the 2008-09 academic year.

enrollment exceeded full-time enrollment. That shift represented growing enrollment by working students and joint enrollment—high school students who enroll in community colleges.

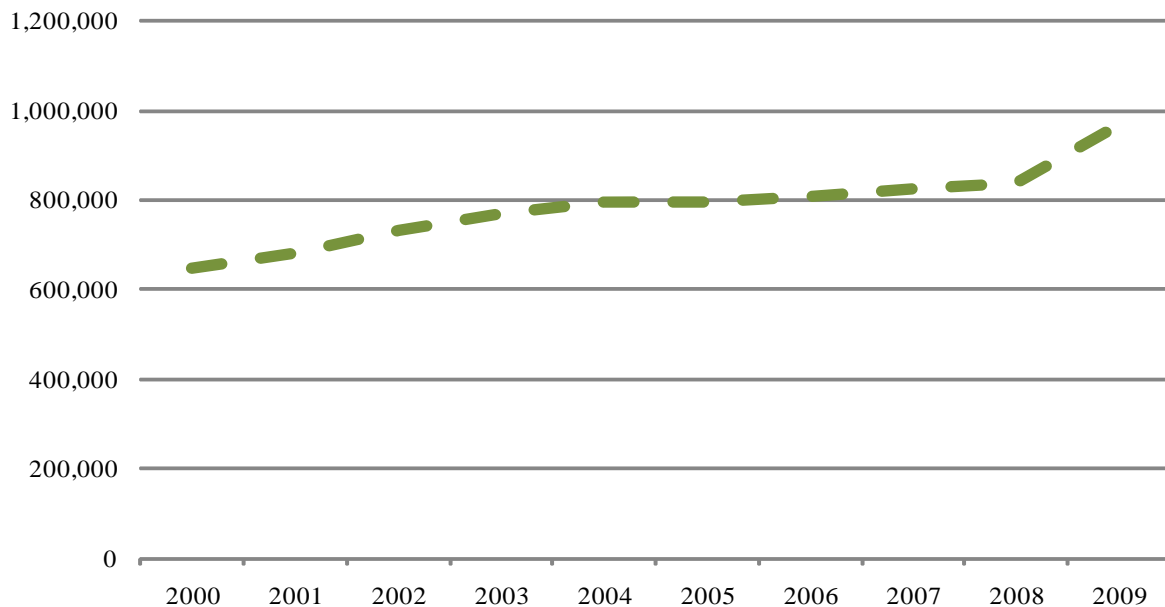
The growth in enrollment this year departs from the steady enrollment increases in the past. Enrollment during recessions tends to spike, but none have increased to this degree. The only larger increase in enrollment spiked

Figure 2-1: Fall Enrollment: 1965-2009



SOURCE: Iowa Department of Education, Fall Enrollment Report: 2009.

Figure 2-2: Fall Credit Hours: 2000—2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Table 2-18.

21.5 percent as community colleges began to expand in Iowa. Iowa’s enrollment growth has traditionally been consistent. Enrollment decreased four times—1976, 1983, 1984, and 1997—during the entire 45-year history. Full-time enrollment decreased nine times over the same period, while part time enrollment only fell twice.

the 14.3 percent change in number of students has also outpaced the 13.3 percent change in credit hours.

Table 2-8 lists the average credit hours per student since 2005. Students were enrolled in close to 9.6 credit hours in the fall semester, which rose slightly from last year. Since 2005, the average credit hours dropped, which is primarily attributable to the rise of part-time students (see Figure 2-1).

Each credit hour represents at least 800 minutes of scheduled work for a classroom course; 1,600 minutes for a laboratory course; 2,400 minutes for clinical work; and 3,200 minutes of work experience. Typically, classes at community colleges vary between three and six credit hours. A full-time student must take at least 12 credit hours a semester, which is at least 160 classroom hours a semester.

FALL ENROLLMENT

FALL ENROLLMENT:	GROWTH SINCE LAST YEAR:
100,736	↑ 14.3%
CREDIT HOURS:	CREDIT HOURS PER STUDENT:
966,944	9.6
Up 13.3% since 2008.	Increased 0.08 hours

Program Type

Enrollment in Iowa’s community colleges is broken into four program types: college parallel; career option; career and technical; and a combination. College parallel programs were the largest in Iowa’s community college during Fall 2009 (Table 2-13). The curriculum in college parallel programs are designed to articulate to a four-year institution. That is, the courses will count toward a degree in a four-year institution.

The second largest program in community colleges was Career and Technical Education (CTE). Programs within CTE are designed to train students to become skilled workers after graduation. A little over 30 percent of students were enrolled in CTE programs in Iowa

The remainder of this report will break down credit enrollment by credit hours, by the programs in which students were enrolled, student demographics, enrollment predictions, and data from other reporting sources.

Credit Hours

Students this fall have enrolled in 966,945 credit hours, which was more credit hours than last fall (Figure 2-2). Clearly, students will be enrolled in more credit hours simply because there are more students. However,

community colleges, while approximately 41 percent of enrollments in community colleges nationwide were in CTE programs (Levesque, Laird, Hensley, et al., 2008).

Finally, career option programs are designed to let students easily articulate to a four-year institution or to move into the workforce. Enrollments in career option programs have stagnated between 2005 and 2008 and declined 8.5 percent in 2009 (Tables 2-9 through 2-13), while enrollments have increased in college parallel and CTE program types.

Student Demographics

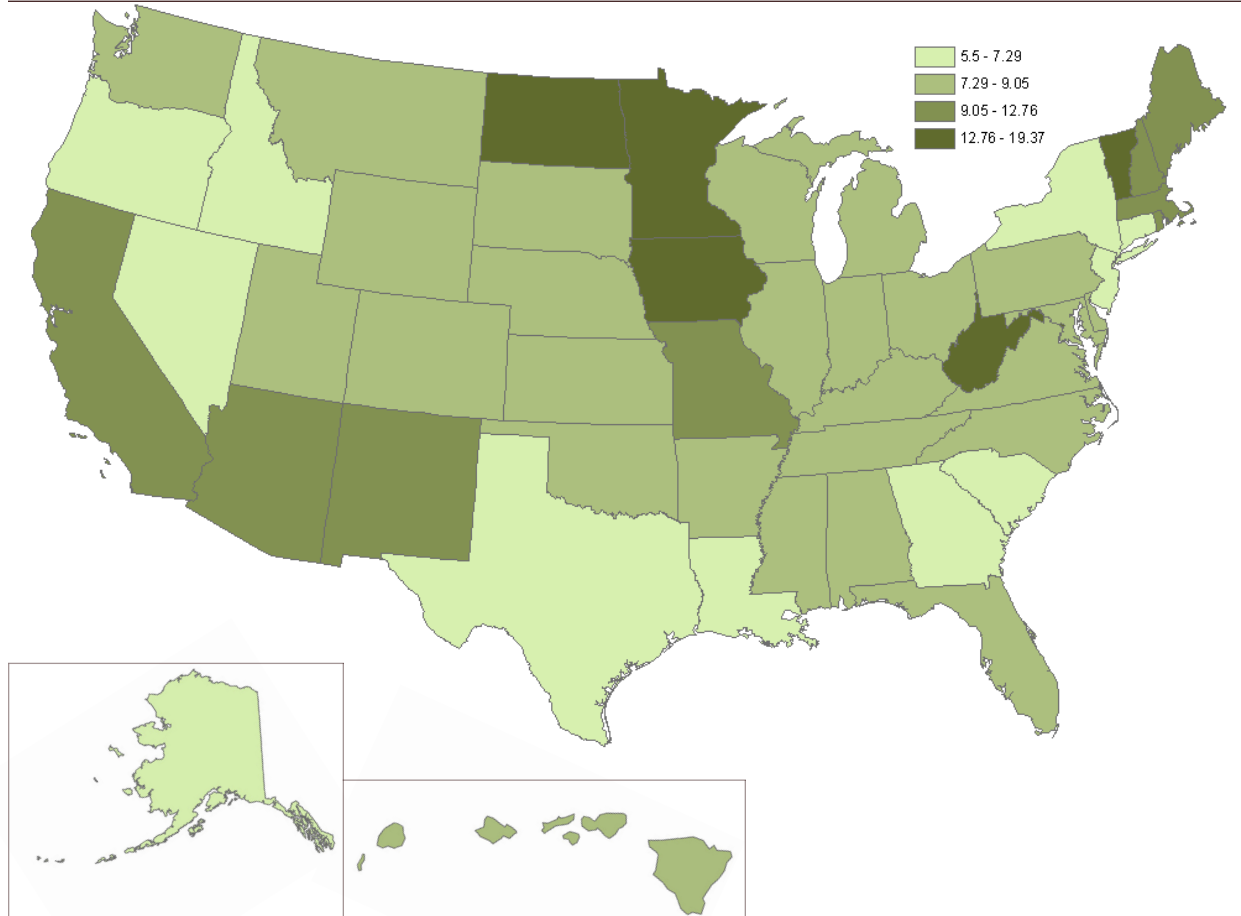
The composition of community college students did not substantially change since last fall nor from last fiscal year (see Section 3). Just over 55 percent of students were female, which is consistent with the state and national trends in community colleges and four-year colleges (Snyder, Dillow, and Hoffman, 2008: Table 181). The average age was 23.07 years-old, which is slightly higher than last year, but consistent with the nationwide average of 23.7 (Provasnik and Planty, 2008). However,

a more accurate description is the median age. In 2009, the median age was 19 years-old; it was the same in 2008. Nationally, the median age for students at public two-year institutions was 21 years-old. Most students in community colleges were between 16 and 22 years-old.

Minorities comprise 11.9 percent of enrollment. Blacks were the largest minority group (5.6 percent), followed by Hispanics (3.7 percent), and Asian/Pacific Islander group (1.9 percent). A fourth of one percent indicated they were a part of multiple racial and ethnic group.

There is also a higher percentage of minority in community colleges than in the state population. The U.S. Census Bureau (2008) estimates ten percent of Iowans are non-white. Moreover, 4.9 percent of all minorities in Iowa are enrolled in community colleges—the third highest in the nation. In California, 5.8 percent of all non-whites enroll in their 101 community colleges. 19.1 percent of Iowa racial minorities over 18 years of age were enrolled in a postsecondary institution in 2007—the highest rate in the nation (Figure 2-3).

Figure 2-3: Ratio of Minority Enrollment in Postsecondary Education to Minority Population Over 18: Fall 2007



SOURCE: U.S. Department of Education, Integrated Postsecondary Data System, Fall 2007 and U.S. Census Bureau.

Postsecondary Fall Enrollment in Iowa

Fall enrollment data is also collected by other higher education institutions in the state of Iowa and reported to the Iowa Coordinating Council on Post-High School Education each year.

Community colleges are the largest network of postsecondary colleges in Iowa. Last year, 68,178 students were enrolled in public four-year or above universities while 54,350 were enrolled in private non-profit 4-year or above universities (Table 2-14). Enrollment private for-profit 4-year or above universities grew rapidly to 71,896—a 65.2 percent increase since previous year.

Meanwhile, enrollments in private for-profit and private non-profit two-year institutions has remained relatively small. Total enrollment in those colleges were slightly less than the smallest community college.

Community colleges in Iowa, as well as nationwide, serve a larger share of part-time students than 4-year universities. As mentioned earlier, slightly under half of community college students were part-time. Last year, over 14 percent of enrollment at four-year public universities and nearly 22 percent of private not-for-profit four-year universities were part-time students.

Enrollment Projections

Community college enrollment deviated from the department's projections. Enrollment was forecasted to grow two percent in 2010, compared to the 14.3 percent increase. Projected and actual enrollment forecasted a relatively slower rate of growth compared to the five-year historical average of 2.4 percent. However, enrollment growth is projected to increase based on the most recent

FALL ENROLLMENT PROJECTION: 2010

PROJECTED FALL 2010 ENROLLMENT:

104,263  3.5%

data available.

Enrollment projections were developed by the Iowa Department of Education in late 2008 (Figure 2-4). The forecasts account for prior year enrollment, a forecast of high school students (Iowa Department of Education, 2007), U.S. gross domestic product (GDP) (Congressional Budget Office, 2008), and Iowa unemployment rate.

Enrollment is projected to rise through 2013. Next year, enrollment is projected to increase 3.5 percent. Thereafter, the growth rate is projected to slip back to 2.8 and 2.1 percent per year.

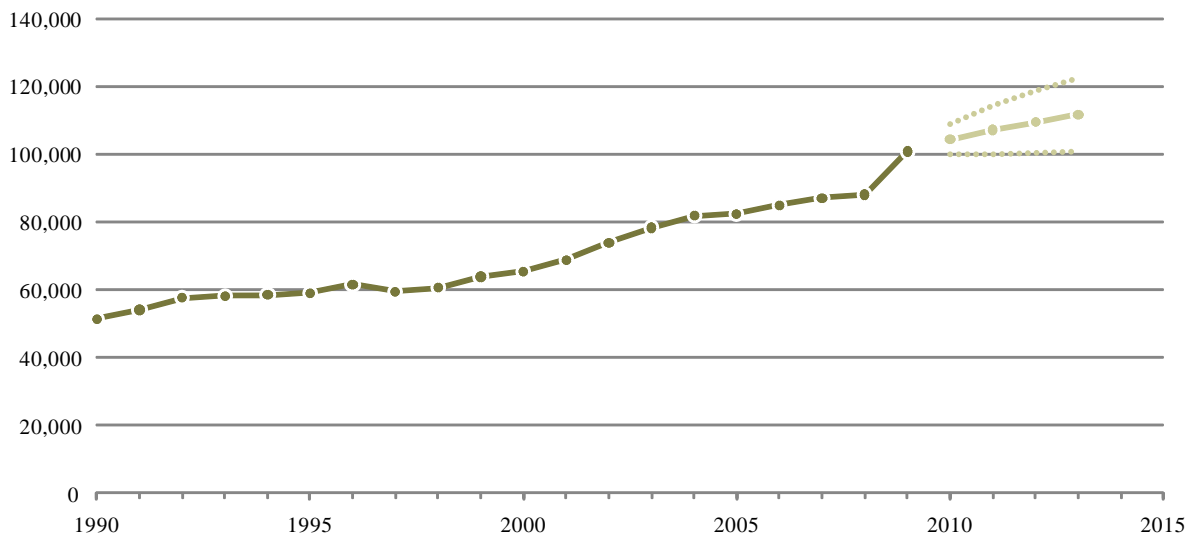
Iowa's enrollment is projected to outpace overall growth of community colleges in the United States. Hussar and Bailey (2009) estimate community colleges will grow 1.1 percent this year and 0.8 percent next year.

Enrollment forecasts are subject to change depending on population fluctuations and economic conditions. For instance, further decline in forecasted GDP will likely increase enrollment while an outward migration of high school students may decrease actual enrollment.

Fall Enrollment Student Location

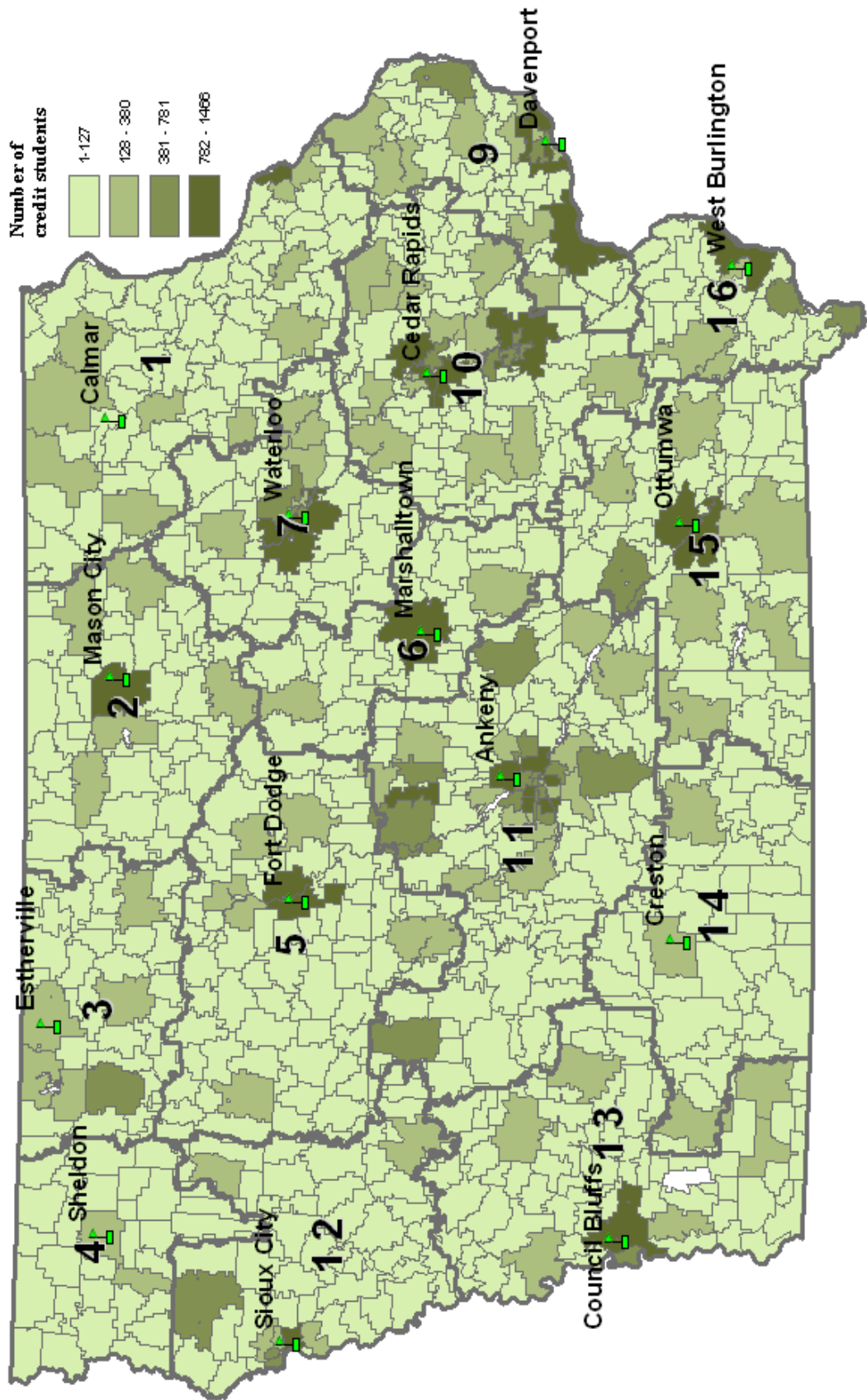
Iowa community college credit students live mostly around colleges' administrative centers, and, for an overwhelming majority of them, Iowa is their original home. Out of 100,736 credit students in 2009, 94,445 (93.7 percent) of students indicated they live in Iowa (Figure 2-5).

Figure 2-4: Projected Enrollment: 2010-2013



SOURCE: Iowa Department of Education (2008b), *Fall Enrollment Report: 2009*, Table 6. Also see Table 2-15.

Figure 2-5: Location of credit Fall enrollment students



Source: Iowa Department of Education, *Fall Enrollment Report: 2009*.

Table 2-1: Fall Credit Enrollment: 2005-2009

College	2005	2006	2007	2008	2009
Northeast	4,811	4,763	4,804	4,756	5,389
North Iowa Area	3,136	3,222	3,272	3,485	3,729
Iowa Lakes	3,085	3,213	3,170	3,059	3,315
Northwest Iowa	1,082	1,224	1,288	1,256	1,615
Iowa Central	5,352	5,491	5,731	5,733	5,904
Iowa Valley	2,600	2,829	2,800	2,986	3,322
Hawkeye	5,360	5,803	5,803	5,765	6,312
Eastern Iowa	7,243	7,192	7,329	6,975	8,480
Kirkwood	15,109	15,055	15,075	15,220	17,841
Des Moines Area	16,046	16,854	18,310	18,695	22,324
Western Iowa Tech	5,343	5,284	5,191	5,425	5,834
Iowa Western	5,092	5,375	5,300	5,642	6,100
Southwestern	1,325	1,383	1,464	1,468	1,680
Indian Hills	3,677	3,953	4,174	4,227	5,137
Southeastern	3,238	3,320	3,351	3,412	3,754
Total	82,499	84,961	87,062	88,104	100,736

Note: Each "I" denotes 500 students.

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 2-2: Fall Enrollment by College and Status: Fall 2005

College	Enrollment Status		
	Full Time	Part Time	Total
Northeast	2,018	2,793	4,811
North Iowa Area	1,735	1,401	3,136
Iowa Lakes	1,604	1,481	3,085
Northwest Iowa	519	563	1,082
Iowa Central	2,472	2,880	5,352
Iowa Valley	1,576	1,024	2,600
Hawkeye	3,271	2,089	5,360
Eastern Iowa	3,517	3,726	7,243
Kirkwood	8,486	6,623	15,109
Des Moines Area	6,380	9,666	16,046
Western Iowa Tech	2,086	3,257	5,343
Iowa Western	2,749	2,343	5,092
Southwestern	674	651	1,325
Indian Hills	2,408	1,269	3,677
Southeastern	1,940	1,298	3,238
Total	41,435	41,064	82,499

NOTE: Students enrolled in 12 or more credit hours are counted as full time. Each "I" denotes 500 students.
 SOURCE: Iowa Department of Education, *Credit Student Enrollment Report: Fall Term 2005*: Table 1

Table 2-3: Fall Enrollment by College and Status: Fall 2006

College	Enrollment Status		
	Full Time	Part Time	Total
Northeast	2,051	2,712	4,763
North Iowa Area	1,680	1,542	3,222
Iowa Lakes	1,579	1,634	3,213
Northwest Iowa	544	680	1,224
Iowa Central	2,419	3,072	5,491
Iowa Valley	1,487	1,342	2,829
Hawkeye	3,386	2,417	5,803
Eastern Iowa	3,305	3,887	7,192
Kirkwood	8,537	6,518	15,055
Des Moines Area	6,609	10,245	16,854
Western Iowa Tech	2,006	3,278	5,284
Iowa Western	2,897	2,478	5,375
Southwestern	771	612	1,383
Indian Hills	2,574	1,379	3,953
Southeastern	1,914	1,406	3,320
Total	41,759	43,202	84,961

NOTE: Students enrolled in 12 or more credit hours are counted as full time. Each "I" denotes 500 students.
 SOURCE: Iowa Department of Education, *Credit Student Enrollment Report: Fall Term 2006*: Table 1

Table 2-4: Fall Enrollment by College and Status: Fall 2007

College	Enrollment Status		
	Full Time	Part Time	Total
Northeast	2,084	2,720	4,804
North Iowa Area	1,696	1,576	3,272
Iowa Lakes	1,526	1,644	3,170
Northwest Iowa	606	682	1,288
Iowa Central	2,590	3,141	5,731
Iowa Valley	1,500	1,300	2,800
Hawkeye	3,370	2,433	5,803
Eastern Iowa	3,355	3,974	7,329
Kirkwood	8,523	6,552	15,075
Des Moines Area	6,928	11,382	18,310
Western Iowa Tech	1,991	3,200	5,191
Iowa Western	2,861	2,439	5,300
Southwestern	759	705	1,464
Indian Hills	2,676	1,498	4,174
Southeastern	1,842	1,509	3,351
Total	42,307	44,755	87,062

NOTE: Students enrolled in 12 or more credit hours are counted as full time. Each “|” denotes 500 students.
 SOURCE: Iowa Department of Education, *Credit Student Enrollment Report: Fall Term 2007*: Table 1

Table 2-5: Fall Enrollment by College and Status: Fall 2008

College	Enrollment Status		
	Full Time	Part Time	Total
Northeast	2,107	2,649	4,756
North Iowa Area	1,855	1,630	3,485
Iowa Lakes	1,582	1,477	3,059
Northwest Iowa	599	657	1,256
Iowa Central	2,714	3,019	5,733
Iowa Valley	1,597	1,389	2,986
Hawkeye	3,335	2,430	5,765
Eastern Iowa	3,238	3,737	6,975
Kirkwood	8,274	6,946	15,220
Des Moines Area	7,428	11,267	18,695
Western Iowa Tech	2,095	3,330	5,425
Iowa Western	3,095	2,547	5,642
Southwestern	696	772	1,468
Indian Hills	2,719	1,508	4,227
Southeastern	1,875	1,537	3,412
Total	43,209	44,895	88,104

Note: Students enrolled in 12 or more credit hours are counted as full time. Each “|” denotes 500 students.
 SOURCE: Iowa Department of Education, *Fall Enrollment Report 2008*: Table 1

Table 2-6: Fall Enrollment by College and Status: Fall 2009

College	Enrollment Status		
	Full Time	Part Time	Total
Northeast	2,564	2,825	5,389
North Iowa Area	2,010	1,719	3,729
Iowa Lakes	1,859	1,456	3,315
Northwest Iowa	720	895	1,615
Iowa Central	3,064	2,840	5,904
Iowa Valley	1,847	1,475	3,322
Hawkeye	3,672	2,640	6,312
Eastern Iowa	3,969	4,511	8,480
Kirkwood	9,723	8,118	17,841
Des Moines Area	8,947	13,377	22,324
Western Iowa Tech	2,536	3,298	5,834
Iowa Western	3,574	2,526	6,100
Southwestern	839	841	1,680
Indian Hills	3,272	1,865	5,137
Southeastern	2,087	1,667	3,754
Total	50,683	50,053	100,736

Note: Students enrolled in 12 or more credit hours are counted as full time. Each “|” denotes 500 students.
 Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 2-7: Fall Credit Hours: 2005-2009

College	2005 Hours	2006 Hours	2007 Hours	2008 Hours	2009 Hours
Northeast	44,040.50	43,756.50	44,096.75	44,916.75	51,719
North Iowa Area	31,105.00	21,148.00	21,849.00	34,889.00	37,914
Iowa Lakes	32,518.00	32,696.00	21,366.00	32,454.00	36,453
Northwest Iowa	11,454.00	12,382.00	12,138.00	12,950.00	15,787
Iowa Central	50,967.60	51,092.00	54,185.90	55,590.40	59,748
Iowa Valley	28,488.00	28,688.50	28,783.00	30,388.00	34,488
Hawkeye	57,860.00	60,749.00	60,661.00	60,088.00	65,538
Eastern Iowa	69,755.00	66,662.50	67,371.00	64,623.25	78,381
Kirkwood	154,160.50	154,600.00	154,313.00	152,297.50	177,971
Des Moines Area	137,216.00	143,974.00	154,822.00	161,547.00	194,179
Western Iowa Tech	45,940.00	45,216.00	44,499.00	46,768.00	53,180
Iowa Western	52,762.50	55,623.50	54,470.00	58,611.00	65,301
Southwestern	13,618.50	14,780.50	14,977.50	14,379.50	16,918
Indian Hills	30,135.50	21,313.00	33,892.00	33,990.50	40,645
Southeastern	34,570.90	34,576.20	34,177.80	34,810.90	38,725
Total	794,592	808,259	823,602	838,304	966,945

Note: Each “|” denotes 10,000 credit hours.

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 2-8: Fall Credit Hours: per student 2005—2009

College	2005 Hours	2006 Hours	2007 Hours	2008 Hours	2009 Hours
Northeast	9.44	9.60	9.18	9.44	9.60
North Iowa Area	10.01	10.17	6.68	10.01	10.17
Iowa Lakes	10.61	11.00	6.74	10.61	11.00
Northwest Iowa	10.31	9.78	9.42	10.31	9.78
Iowa Central	9.70	10.12	9.45	9.70	10.12
Iowa Valley	10.18	10.38	10.28	10.18	10.38
Hawkeye	10.42	10.38	10.45	10.42	10.38
Eastern Iowa	9.26	9.24	9.19	9.26	9.24
Kirkwood	10.01	9.98	10.24	10.01	9.98
Des Moines Area	8.64	8.70	8.46	8.64	8.70
Western Iowa Tech	8.62	9.12	8.57	8.62	9.12
Iowa Western	10.39	10.71	10.28	10.39	10.71
Southwestern	9.80	10.07	10.23	9.80	10.07
Indian Hills	8.04	7.91	8.12	8.04	7.91
Southeastern	10.20	10.32	10.20	10.20	10.32

Note: Each "1" denotes 0.5 credit hours.

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 2-9: Fall Enrollment by College and Program Type: Fall 2005

College	College Parallel	Career Option	Career and Technical Education	Combination
Northeast	2,693	35	2,115	13
North Iowa Area	1,879	462	663	0
Iowa Lakes	1,494	562	1,102	0
Northwest Iowa	577	46	456	2
Iowa Central	3,467	437	1,408	0
Iowa Valley	1,838	284	479	0
Hawkeye	2,690	2	2,681	1
Eastern Iowa	4,088	6	3,181	0
Kirkwood	7,494	1,317	6,592	77
Des Moines Area	10,231	1,879	3,146	0
Western Iowa Tech	2,237	0	3,133	0
Iowa Western	3,295	54	1,495	0
Southwestern	653	108	474	18
Indian Hills	1,900	58	1,851	3
Southeastern	1,322	257	1,527	21
Total	45,858	5,507	30,303	135

NOTE: Each “|” denotes 250 students.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 2-10: Fall Enrollment by College and Program Type: Fall 2006

College	College Parallel	Career Option	Career and Technical Education	Combination
Northeast	2,784	31	1,948	0
North Iowa Area	1,920	383	908	11
Iowa Lakes	1,870	461	882	0
Northwest Iowa	682	47	495	0
Iowa Central	3,635	429	1,402	25
Iowa Valley	2,224	216	389	0
Hawkeye	3,167	0	2,636	0
Eastern Iowa	4,327	4	2,861	0
Kirkwood	7,340	1,402	6,313	0
Des Moines Area	10,593	1,747	3,906	608
Western Iowa Tech	2,834	6	2,444	0
Iowa Western	3,302	22	1,698	353
Southwestern	849	122	377	35
Indian Hills	1,897	28	2,028	0
Southeastern	1,486	360	1,444	30
Total	48,910	5,258	29,731	1,062

NOTE: Each “|” denotes 250 students.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 2-11: Fall Enrollment by College and Program Type: Fall 2007

College	College Parallel	Career Option	Career and Technical Education	Combination
Northeast	2,882	9	1,913	0
North Iowa Area	1,606	338	1,328	0
Iowa Lakes	1,873	431	866	0
Northwest Iowa	732	51	505	0
Iowa Central	3,894	321	1,515	1
Iowa Valley	2,251	176	373	0
Hawkeye	3,332	0	2,471	0
Eastern Iowa	4,582	5	2,742	0
Kirkwood	7,244	1,389	6,442	0
Des Moines Area	10,839	2,140	4,870	471
Western Iowa Tech	3,057	5	2,129	0
Iowa Western	3,659	24	1,380	237
Southwestern	864	116	456	28
Indian Hills	2,046	33	2,095	0
Southeastern	1,783	246	1,322	0
Total	50,644	5,284	30,407	737

NOTE: Each “|” denotes 250 students.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 2-12: Fall Enrollment by College and Program Type: Fall 2008

College	College Parallel	Career Option	Career and Technical Education	Combination
Northeast	2,728	7	2,021	0
North Iowa Area	1,636	393	1,456	0
Iowa Lakes	1,424	498	1,137	0
Northwest Iowa	661	44	550	1
Iowa Central	3,910	343	1,475	5
Iowa Valley	2,432	157	397	0
Hawkeye	3,328	0	2,437	0
Eastern Iowa	4,454	0	2,521	0
Kirkwood	7,040	1,360	6,820	0
Des Moines Area	11,199	2,172	4,851	473
Western Iowa Tech	3,268	5	2,152	0
Iowa Western	3,754	13	1,553	322
Southwestern	841	120	482	25
Indian Hills	2,141	26	2,008	52
Southeastern	2,161	229	1,022	0
Total	50,977	5,367	30,882	878

NOTE: Each “|” denotes 250 students.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 2-13: Fall Enrollment by College and Program Type: Fall 2009

College	College Parallel	Career Option	Career and Technical Education	Combination
Northeast	3,029	0	2,360	0
North Iowa Area	2,167	638	924	0
Iowa Lakes	1,451	702	1,161	1
Northwest Iowa	978	56	581	0
Iowa Central	3,975	351	1,554	24
Iowa Valley	2,734	199	389	0
Hawkeye	3,550	0	2,762	0
Eastern Iowa	5,315	3	3,159	3
Kirkwood	11,125	406	6,309	1
Des Moines Area	16,166	2,148	3,507	503
Western Iowa Tech	3,332	21	2,481	0
Iowa Western	4,255	4	1,841	0
Southwestern	1,082	152	409	37
Indian Hills	2,323	14	2,798	2
Southeastern	2,639	219	896	0
Total	64,121	4,913	31,131	571

Note: Each “|” denotes 250 students.

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 2-14: Fall Enrollment by Institution Type: 2008

Institution Type	Fall Enrollment
Public 4-year or Above	70,325
Private Non-profit 4-year or Above	54,350
Private for Profit 4-year or Above	71,896
Public 2-year	88,104
Private Non-Profit 2-year	255
Private For-Profit 2-year	1,643

NOTE: Each “|” denotes 5,000 students.

SOURCE: Iowa Coordinating Council on Post-High School Education, Iowa College and University Enrollment Report.

Table 2-15: Fall Enrollment Projections: 2008-2012

Year	Actual Enrollment	Predicted Enrollment	Upper Estimate	Lower estimate	Predicted Percent Gain
2008	100,736	88,920	94,441	97,727	2.0%
2009		104,262	108,752	99,772	3.5%
2010		107,150	114,198	100,102	2.8%
2011		109,396	118,417	100,375	2.1%
2012		111,623	122,279	100,966	2.0%

NOTE: Projections are based on previous year enrollment, high school enrollment, real U.S. gross domestic product (GDP), and Iowa unemployment rate.

SOURCE: Iowa Department of Education (2008b), Fall Enrollment Report 2009: Table 6

3

FISCAL YEAR CREDIT ENROLLMENT AND DEMOGRAPHICS

Fiscal year credit enrollment follows students through academic year 2008-2009. Duplicated headcounts include the same student each time she appears at a college. Unduplicated headcounts will only count a student once. While enrollment rose, the composition of community college students remained relatively the same.

Unduplicated enrollment increased in 2009 to 133,387 students. Enrollment growth accelerated to 4.1 percent, which is higher than the five-year average annual growth. Since 2005, enrollment increased an average of 2.6 percent each year (Figure 3-1). Credit hours also increased rapidly to 1,927,364 credit hours (Figure 3-2). Credit hours increased 3.7 percent, which is twice the average annual growth since 2005. On average, students enrolled in 14.5 credit hours per term (Figure 3-2), which is the same as last year.

Iowa's enrollment growth has outpaced the national average. Since 2000, enrollment in 2-year institutions grew 11 percent, while Iowa's enrollment grew 39.6 percent (Snyder, Dillow, & Hoffman, 2009).

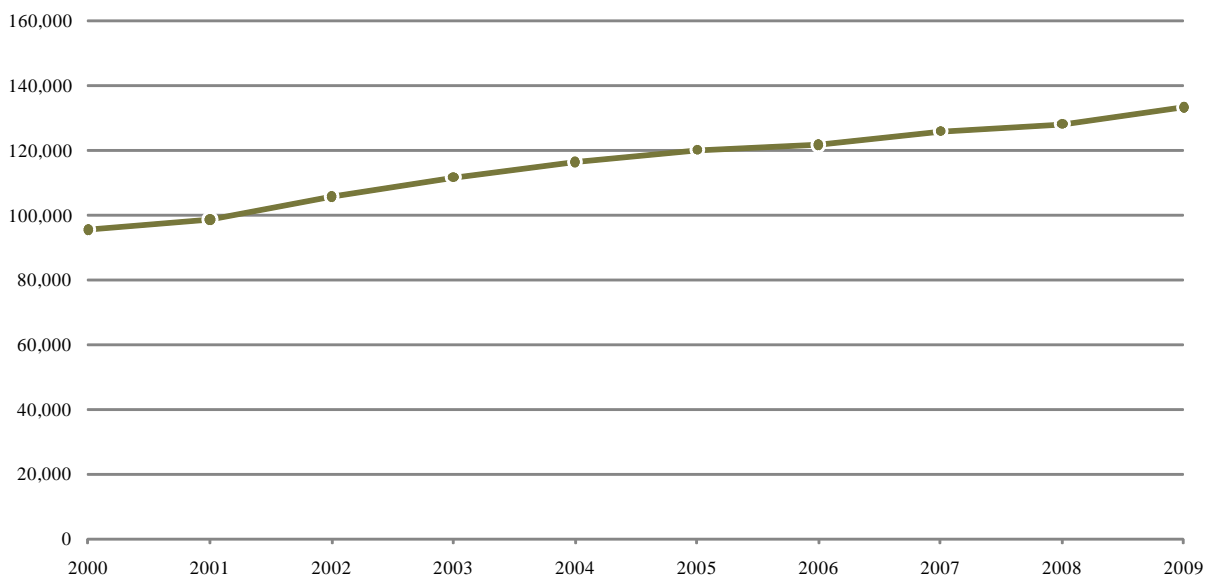
Unlike last year, enrollment grew sharply for both arts

CREDIT ENROLLMENT	
NUMBER OF STUDENTS:	GROWTH SINCE LAST YEAR:
133,387	↑ 4.1%
CREDIT HOURS:	CREDIT HOURS PER STUDENT:
1,927,364	14.5
Up 3.7% since 2008	Unchanged since 2008.

and sciences and career and technical education (CTE) programs. Arts and sciences grew 9.4 percent (7,203 students) to 84,099 students. Similarly, CTE grew 11.8 percent (4,765 students) to 45,265 students. Last year, CTE enrollment was flat while arts and sciences enrollment grew.

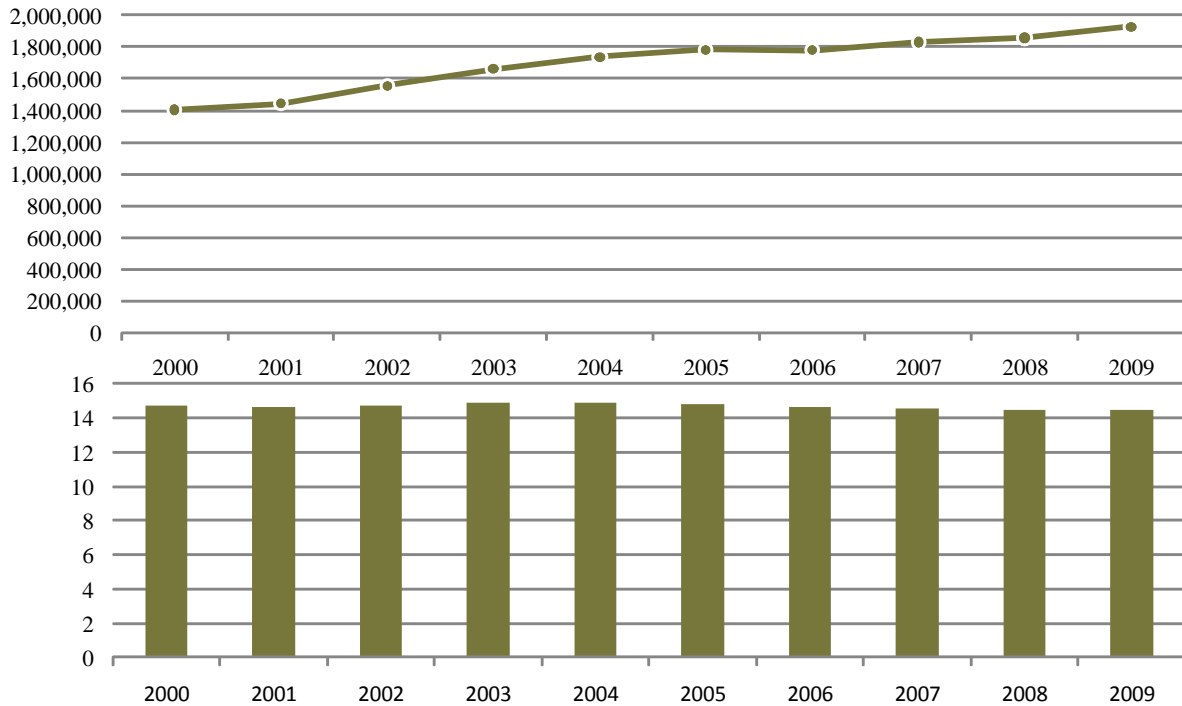
The share of CTE enrollment grew to 32.1 percent of overall enrollment. The share of enrollment in arts and sciences enrollment declined slightly to 59.6 percent (Figure 3-3). Arts and sciences programs has comprised approximately sixty-percent of overall Iowa community

Figure 3-1: Fiscal Year Unduplicated Credit Enrollment: 2000-2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, see Table 3-1.

Figure 3-2: Fiscal Year Credit Hours (top) and Average Credit Hours per Student (bottom): 2000-2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS, see Table 3-2.

college enrollment.

Health Science remained the largest CTE program, followed by Business, Management and Administration, and then Manufacturing. Enrollment in Health Science increased eight percent since 2008 to 19,327 students. Business, Management and Administration enrolled 8,543 students, which was three percent lower since last year. Manufacturing cluster increased 41 percent to 3,819 students. Science, Technology, Engineering, and Mathematics (STEM) cluster grew the largest, up 59 percent to 806 students (Figure 3-7).

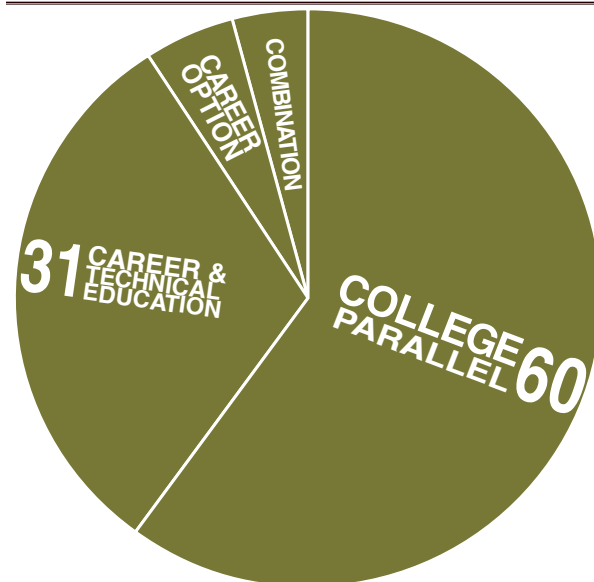
Student Demographics

The typical community college student, as with prior years, is female, under 26, and white. However, the face of the typical student is slightly changing. Although predominately white, more minorities are enrolling into community colleges. And although the average age of a community college student is older than a university student, younger students are enrolling into colleges as well.

One unchanging aspect is gender composition. Females continue to outnumber males in community colleges, 56.5 to 43.5 percent, respectively (Figure 3-4). Since the Community College MIS was established, females have composed most of community college

enrollment, remaining steady between 56 and 57 percent. The trend in Iowa’s community college is familiar in education. Females compose a majority of enrollment at the University of Iowa and University of Northern Iowa (Iowa State Board of Regents, 2007:

Figure 3-3: Enrollment by Program Type



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS, see Table 3-7.

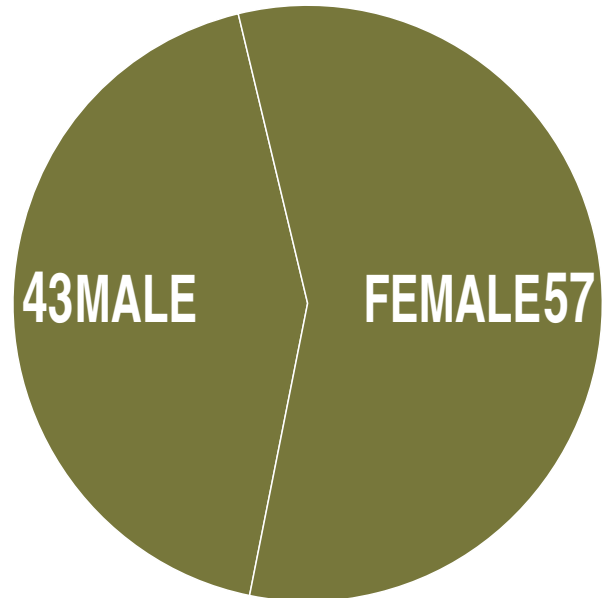
Table 2). Nationally, females have outnumbered males in postsecondary institutions since 1978 (Snyder, Tan, and Hoffman, 2003).

The average age of a student is 24 years-old, the similar to the most recent national estimate (Snyder, Tan, and Hoffman, 2008). The average community college student is also older than a typical student at a four-year university. For instance, the average age for students attending a Regent university was slightly over 21 years-old (Iowa State Board of Regents, 2008).

Although community colleges serve an older population, most are traditional-age students. The median student age was 20 years-old, which means half of the student population were under that age. Seventy-one percent of community college students were under 25 years-old (Figure 3-5).

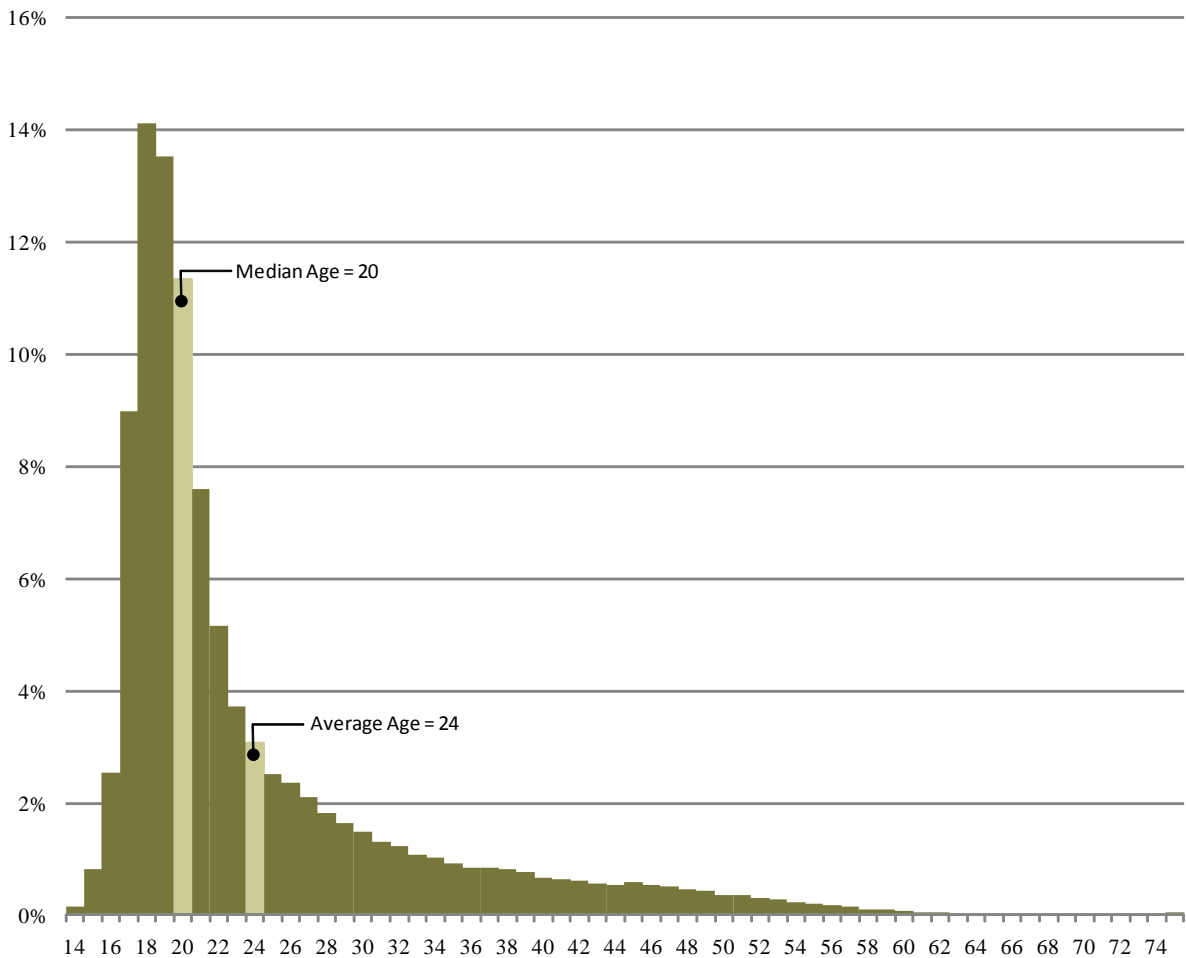
Community colleges have also increased the share of younger students. The share of students who were 17 and under has risen from 5.1 percent in 2000 to 12.4 percent in 2009 (Table 3-12, Iowa Department of Education, 2002).

Figure 3-4: Credit Student Gender



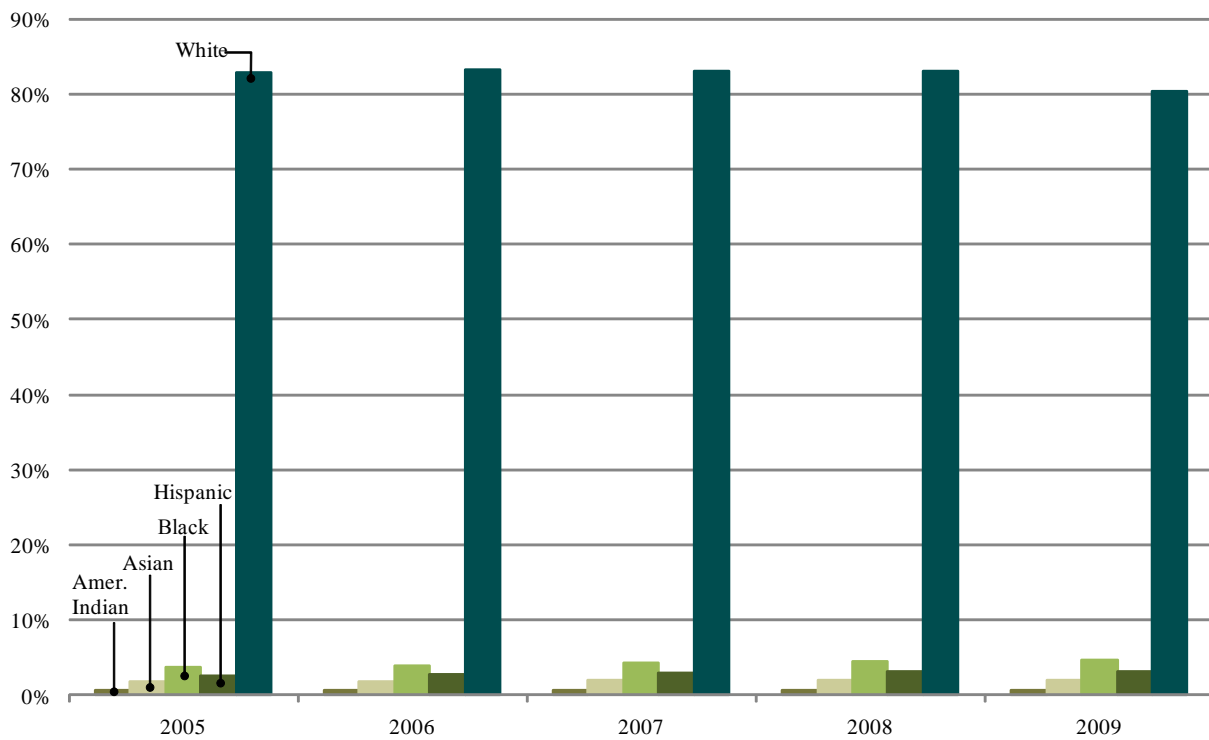
SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS, see Table 3-13.

Figure 3-5: Credit Student Age: 2009



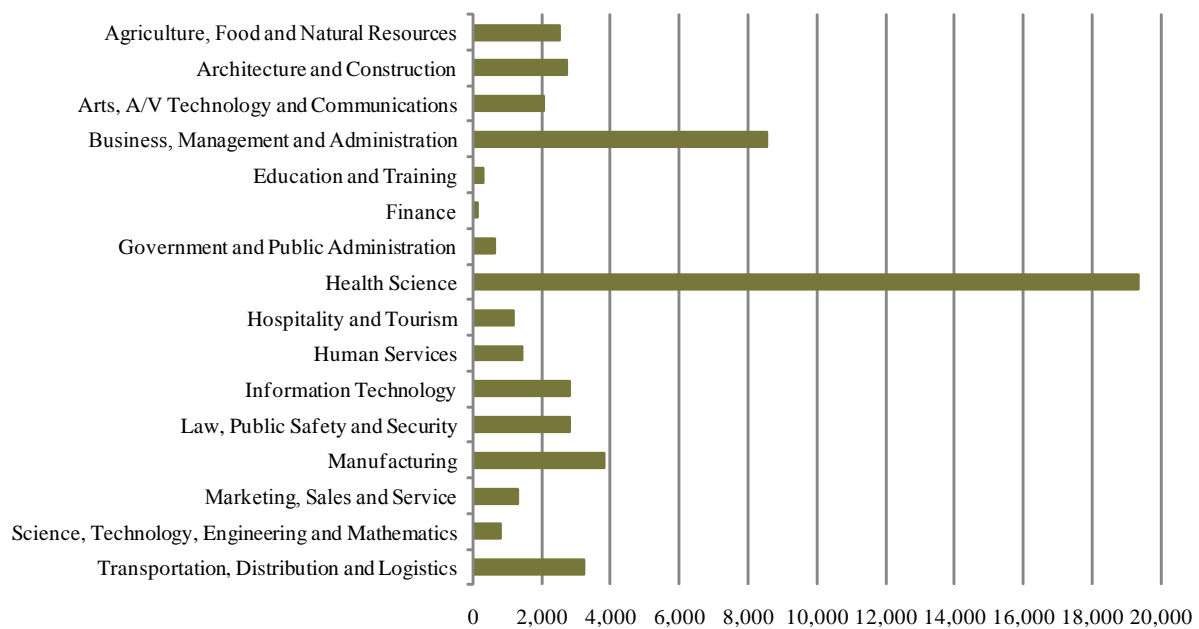
SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS, see Table 3-12.

Figure 3-6: Credit Enrollment by Racial Minorities: 2005-2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS, see Table 3-18.

Figure 3-7: Enrollment by Career Cluster: 2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS, see Table 3-28.

Table 3-1: Fiscal Year Unduplicated Credit Enrollment: 2005—2009

College	Average Change				
	2005	2006	2007	2008	2009
Northeast	6,951	7,033	6,739	6,827	7,047
North Iowa Area	4,267	4,366	4,475	4,718	4,958
Iowa Lakes	4,516	4,558	4,581	4,402	4,322
Northwest	1,661	1,766	2,004	2,116	2,108
Iowa Central	6,932	6,919	7,456	7,916	8,161
Iowa Valley	4,068	3,869	4,023	3,977	4,176
Hawkeye	7,750	7,837	8,376	8,374	8,691
Eastern Iowa	11,223	11,355	11,114	11,278	11,609
Kirkwood	21,468	20,418	21,674	21,461	22,606
Des Moines Area	24,780	26,801	28,054	29,573	30,949
Western Iowa Tech	8,026	7,802	7,665	7,570	7,630
Iowa Western	6,243	6,610	6,888	6,855	7,299
Southwestern	1,727	1,810	1,868	1,992	2,037
Indian Hills	6,132	6,068	6,464	6,544	7,008
Southeastern	4,473	4,541	4,609	4,543	4,786
Total	120,217	121,753	125,990	128,146	133,387

Note: Each “|” denotes 1,500 students. Source: Bureau of Community Colleges, Community College MIS.

Table 3-2: Fiscal Year Credit Hours: 2005—2009

College	Average Change				
	2005	2006	2007	2008	2009
Northeast	104,437	95,769	92,109	97,481	102,771
North Iowa Area	67,511	66,246	66,027	68,219	74,898
Iowa Lakes	71,013	70,472	71,587	69,415	71,822
Northwest	24,757	26,690	28,512	29,668	29,557
Iowa Central	102,600	103,484	108,405	117,381	122,711
Iowa Valley	67,048	61,685	62,105	61,988	66,248
Hawkeye	122,127	120,959	127,104	126,222	127,914
Eastern Iowa	154,483	160,349	149,251	149,518	152,300
Kirkwood	342,063	332,694	351,067	337,606	342,516
Des Moines Area	309,718	325,384	345,204	371,161	394,903
Western Iowa Tech	106,498	102,455	101,623	99,937	96,903
Iowa Western	103,785	109,566	114,618	114,261	122,700
Southwestern	29,300	29,499	32,455	32,228	32,217
Indian Hills	101,692	100,558	107,736	109,797	114,089
Southeastern	75,157	75,217	73,360	74,034	75,816
Total	1,782,189	1,781,027	1,831,161	1,858,915	1,927,364

NOTE: Each "1" denotes 20,000 credit hours.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-3: Fiscal Year Enrollment by College and Program Type: 2005

College	Arts & Sciences Only	Career Option Only	Career & Technical Only	Combination	Total
Northeast	4,202	43	2,563	143	6,951
North Iowa Area	2,559	428	1,004	276	4,267
Iowa Lakes	2,414	621	1,346	135	4,516
Northwest	1,090	50	482	39	1,661
Iowa Central	4,878	423	1,519	112	6,932
Iowa Valley	3,179	286	603	0	4,068
Hawkeye	4,299	3	3,285	163	7,750
Eastern Iowa	6,762	8	4,190	263	11,223
Kirkwood	10,879	1,773	8,055	761	21,468
Des Moines Area	17,621	2,190	3,714	1,255	24,780
Western Iowa Tech	3,619	0	4,407	0	8,026
Iowa Western	4,201	32	1,517	493	6,243
Southwestern	1,082	133	482	30	1,727
Indian Hills	2,769	75	2,968	320	6,132
Southeastern	2,034	297	1,869	273	4,473
Total	71,588	6,362	38,004	4,263	120,217

NOTE: Each "I" denotes 1,000 students.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-4: Fiscal Year Enrollment by College and Program Type: 2006

College	Arts & Sciences Only	Career Option Only	Career & Technical Only	Combination	Total
Northeast	4,293	51	2,689	0	7,033
North Iowa Area	2,719	413	1,026	208	4,366
Iowa Lakes	2,749	545	1,152	112	4,558
Northwest	1,141	62	563	0	1,766
Iowa Central	4,755	500	1,448	216	6,919
Iowa Valley	3,043	251	575	0	3,869
Hawkeye	4,445	0	3,392	0	7,837
Eastern Iowa	7,101	11	4,219	24	11,355
Kirkwood	10,595	1,812	7,846	165	20,418
Des Moines Area	17,732	2,082	5,919	1,068	26,801
Western Iowa Tech	3,724	4	4,074	0	7,802
Iowa Western	4,208	24	1,840	538	6,610
Southwestern	1,161	124	484	41	1,810
Indian Hills	2,688	45	2,942	393	6,068
Southeastern	2,111	369	2,061	0	4,541
Total	72,465	6,293	40,230	2,765	121,753

NOTE: Each "I" denotes 1,000 students.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-5: Fiscal Year Enrollment by College and Program Type: 2007

College	Arts & Sciences Only	Career Option Only	Career & Technical Only	Combination	Total
Northeast	4,294	30	2,415	0	6,739
North Iowa Area	2,719	452	1,123	188	4,475
Iowa Lakes	2,749	532	1,190	0	4,581
Northwest	1,141	75	585	0	2,004
Iowa Central	4,755	593	1,615	343	7,456
Iowa Valley	3,043	222	525	0	4,023
Hawkeye	4,445	0	2,953	0	8,376
Eastern Iowa	7,101	7	4,003	0	11,114
Kirkwood	10,595	1,848	8,614	0	21,674
Des Moines Area	17,732	2,566	7,201	1,233	28,054
Western Iowa Tech	3,724	8	3,433	0	7,665
Iowa Western	4,208	24	1,541	552	6,888
Southwestern	1,161	134	438	56	1,868
Indian Hills	2,688	46	3,120	476	6,464
Southeastern	2,111	376	1,818	0	4,609
Total	75,655	6,913	40,574	2,848	125,990

NOTE: Each "l" denotes 1,000 students.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-6: Fiscal Year Enrollment by College and Program Type: 2008

College	Arts & Sciences Only	Career Option Only	Career & Technical Only	Combination	Total
Northeast	4,382	11	2,434	0	6,827
North Iowa Area	2,719	442	1,714	212	4,718
Iowa Lakes	2,749	483	1,517	0	4,402
Northwest	1,141	61	590	0	2,116
Iowa Central	4,755	639	1,696	241	7,916
Iowa Valley	3,043	226	504	0	3,977
Hawkeye	4,445	0	3,244	0	8,374
Eastern Iowa	7,101	4	3,823	0	11,278
Kirkwood	10,595	1,662	8,129	793	21,461
Des Moines Area	17,732	2,672	7,332	1,510	29,573
Western Iowa Tech	3,724	5	3,185	0	7,570
Iowa Western	4,208	25	1,599	674	6,855
Southwestern	1,161	133	526	74	1,992
Indian Hills	2,688	36	2,974	609	6,544
Southeastern	2,111	237	1,233	0	4,542
Total	76,896	6,636	40,500	4,113	128,146

NOTE: Each "l" denotes 1,000 students. SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-7: Fiscal Year Enrollment by College and Program Type: 2009

College	Arts & Sciences Only	Career Option Only	Career & Technical Only	Combination	Total
Northeast	4,313	4	2,730	0	7,047
North Iowa Area	2,365	443	1,939	211	4,958
Iowa Lakes	6,678	447	4,669	211	12,005
Northwest	1,501	47	560	0	2,108
Iowa Central	5,424	714	1,790	233	8,161
Iowa Valley	3,389	217	570	0	4,176
Hawkeye	5,168	0	3,405	118	8,691
Eastern Iowa	7,522	1	3,788	298	11,609
Kirkwood	10,813	1,605	9,133	1,055	22,606
Des Moines Area	19,722	2,390	7,102	1,735	30,949
Western Iowa Tech	4,498	9	3,123	0	7,630
Iowa Western	4,713	12	1,758	816	7,299
Southwestern	1,299	126	491	121	2,037
Indian Hills	3,009	23	3,298	678	7,008
Southeastern	3,685	192	909	0	4,786
Total	84,099	6,230	45,265	5,476	141,070

NOTE: Each "I" denotes 1,000 students.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-8: Fiscal Year Enrollment by College and Age Groups: 2005

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total
Northeast	776	3,737	761	414	600	612	34	17	6,951
North Iowa Area	404	2,528	447	222	335	309	21	1	4,267
Iowa Lakes	637	2,364	420	231	340	384	75	65	4,516
Northwest	132	1,083	159	62	96	95	9	25	1,661
Iowa Central	1,144	3,965	626	306	430	367	36	58	6,932
Iowa Valley	317	2,207	419	223	348	361	147	46	4,068
Hawkeye	365	4,318	1,340	578	605	502	37	5	7,750
Eastern Iowa	660	5,153	1,670	1,064	1,369	1,160	91	56	11,223
Kirkwood	840	11,704	3,374	1,596	1,992	1,630	149	183	21,468
Des Moines Area	2,976	12,532	3,239	1,631	2,157	1,894	229	122	24,780
Western Iowa Tech	1,110	3,669	985	651	789	714	76	32	8,026
Iowa Western	548	3,571	725	388	536	409	31	35	6,243
Southwestern	152	1,017	149	89	145	161	14	0	1,727
Indian Hills	285	2,780	740	460	709	747	122	289	6,132
Southeastern	247	2,136	528	349	545	544	58	66	4,473
Total	10,593	62,764	15,582	8,264	10,996	9,889	1,129	1,000	120,217
% of Total	9%	52%	13%	7%	9%	8%	1%	1%	100%

NOTE: Each "1" denotes 500 students.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-9: Fiscal Year Enrollment by College and Age Groups: 2006

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total
Northeast	966	3,819	722	392	522	566	42	4	7,033
North Iowa Area	382	2,438	437	228	300	428	128	25	4,366
Iowa Lakes	709	2,343	398	268	323	375	85	57	4,558
Northwest	188	1,150	158	65	86	90	4	25	1,766
Iowa Central	1,191	4,033	623	270	383	321	39	59	6,919
Iowa Valley	374	2,074	401	219	304	331	143	23	3,869
Hawkeye	438	4,426	1,232	590	649	456	41	5	7,837
Eastern Iowa	704	5,276	1,625	1,023	1,409	1,097	95	126	11,355
Kirkwood	896	11,216	3,190	1,576	1,841	1,488	150	61	20,418
Des Moines Area	3,698	13,248	3,346	1,731	2,217	1,906	236	419	26,801
Western Iowa Tech	1,091	3,564	948	560	813	674	75	77	7,802
Iowa Western	706	3,763	736	403	559	410	26	7	6,610
Southwestern	186	1,032	159	102	166	145	20	0	1,810
Indian Hills	344	2,735	740	459	702	707	103	278	6,068
Southeastern	349	2,185	545	335	521	504	63	39	4,541
Total	12,222	63,302	15,260	8,221	10,795	9,498	1,250	1,205	121,753
% of Total	10%	52%	13%	7%	9%	8%	1%	1%	100%

NOTE: Each “|” denotes 500 students.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-10: Fiscal Year Enrollment by College and Age Groups: 2007

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total
Northeast	985	3,706	662	369	460	513	43	1	6,739
North Iowa Area	451	2,494	426	232	310	423	89	50	4,475
Iowa Lakes	861	2,351	423	271	322	282	25	46	4,581
Northwest	266	1,215	155	88	103	105	10	62	2,004
Iowa Central	1,319	4,150	647	344	442	396	30	128	7,456
Iowa Valley	453	2,182	359	222	292	297	188	30	4,023
Hawkeye	703	4,788	1,174	601	618	457	35	0	8,376
Eastern Iowa	881	5,241	1,491	966	1,363	1,055	88	29	11,114
Kirkwood	1,181	11,821	3,386	1,725	1,920	1,454	132	55	21,674
Des Moines Area	4,487	13,726	3,372	1,858	2,281	1,978	257	95	28,054
Western Iowa Tech	1,087	3,435	969	546	804	670	77	77	7,665
Iowa Western	825	3,868	728	441	549	443	32	2	6,888
Southwestern	178	1,083	183	101	165	144	14	0	1,868
Indian Hills	381	2,945	727	485	775	760	137	254	6,464
Southeastern	374	2,188	574	353	535	490	62	33	4,609
Total	14,432	65,193	15,276	8,602	10,939	9,467	1,219	862	125,990
% of Total	11%	52%	12%	7%	9%	8%	1%	1%	100%

NOTE: Each “|” denotes 500 students.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-11: Fiscal Year Enrollment by College and Age Groups: 2008

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total
Northeast	1,017	3,808	680	392	475	409	45	1	6,827
North Iowa Area	567	2,593	397	271	349	428	78	35	4,718
Iowa Lakes	793	2,258	395	252	350	265	20	69	4,402
Northwest	313	1,259	165	92	120	109	15	43	2,116
Iowa Central	1,351	4,447	751	379	491	405	30	62	7,916
Iowa Valley	448	2,155	346	253	297	298	158	22	3,977
Hawkeye	843	4,864	1,091	550	563	429	33	1	8,374
Eastern Iowa	1,010	5,431	1,414	960	1,323	1,033	98	9	11,278
Kirkwood	1,254	11,771	3,211	1,728	1,911	1,441	121	24	21,461
Des Moines Area	4,704	14,451	3,616	1,929	2,460	2,054	289	70	29,573
Western Iowa Tech	1,099	3,471	895	548	740	662	55	100	7,570
Iowa Western	702	3,957	731	427	568	431	39	0	6,855
Southwestern	245	1,091	187	116	176	158	19	0	1,992
Indian Hills	507	3,078	719	461	739	704	137	199	6,544
Southeastern	364	2,130	563	372	544	483	48	39	4,543
Total	15,217	66,764	15,161	8,730	11,106	9,309	1,185	674	128,146
% of Total	12%	52%	12%	7%	9%	7%	1%	1%	100%

NOTE: Each "I" denotes 500 students.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-12: Fiscal Year Enrollment by College and Age Groups: 2009

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total
Northeast	1,050	3,836	676	503	475	515	46	5	7,047
North Iowa Area	566	2,837	394	395	349	418	54	18	4,958
Iowa Lakes	753	2,194	388	386	350	267	30	34	4,322
Northwest	280	1,224	190	129	120	106	21	50	2,108
Iowa Central	1,281	4,571	743	567	491	454	45	50	8,161
Iowa Valley	539	2,198	359	339	297	321	166	19	4,176
Hawkeye	1,009	5,039	1,046	587	563	442	43	0	8,691
Eastern Iowa	1,260	5,425	1,417	1,336	1,323	1,032	114	6	11,609
Kirkwood	1,899	12,007	3,204	2,015	1,911	1,494	177	35	22,606
Des Moines Area	4,859	15,085	3,777	2,615	2,460	2,177	261	31	30,949
Western Iowa Tech	1,037	3,470	906	739	740	579	89	256	7,630
Iowa Western	755	4,266	772	585	568	404	42	1	7,299
Southwestern	296	1,065	165	195	176	164	22	0	2,037
Indian Hills	534	3,106	792	819	739	813	186	185	7,008
Southeastern	398	2,279	592	544	544	491	42	25	4,786
Total	16,516	68,602	15,421	11,754	11,106	9,677	1,338	715	133,387
% of Total	12.4%	51.4%	11.6%	8.8%	8.3%	7.3%	1.0%	0.5%	100.00%

Note: Each “|” denotes 500 students.
 Source: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-13: Fiscal Year Enrollment by College and Gender: 2004-2008

College	2005		2006		2007		2008		2009											
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female										
Northeast	2,628	37.8%	4,323	62.2%	2,686	38.2%	4,347	61.8%	2,716	40.3%	4,023	59.7%	2,801	39.7%	4,246	39.7%				
North Iowa Area	1,862	43.6%	2,405	56.4%	1,871	42.9%	2,495	57.1%	1,965	43.9%	2,509	56.1%	2,257	45.5%	2,701	39.7%				
Iowa Lakes	1,866	41.3%	2,650	58.7%	1,855	40.7%	2,703	59.3%	1,957	42.7%	2,624	57.3%	1,853	43.2%	2,437	39.7%				
Northwest	726	43.7%	935	56.3%	787	44.6%	979	55.4%	887	44.3%	1,114	55.7%	957	45.4%	1,150	39.7%				
Iowa Central	3,433	49.5%	3,499	50.5%	3,448	49.8%	3,471	50.2%	3,736	50.1%	3,720	49.9%	3,911	48.0%	4,245	39.7%				
Iowa Valley	1,668	41.0%	2,400	59.0%	1,572	40.6%	2,297	59.4%	1,690	42.0%	2,333	58.0%	1,757	42.1%	2,419	39.7%				
Hawkeye	3,208	41.4%	4,542	58.6%	3,302	42.1%	4,535	57.9%	3,576	42.7%	4,800	57.3%	3,892	44.8%	4,798	39.7%				
Eastern Iowa	4,443	39.6%	6,780	60.4%	4,440	39.4%	6,825	60.6%	4,429	39.9%	6,685	60.1%	4,857	41.8%	6,752	39.7%				
Kirkwood	9,467	44.1%	12,001	55.9%	9,200	45.1%	11,218	54.9%	9,832	45.5%	11,768	54.5%	10,521	46.6%	12,060	39.7%				
Des Moines Area	10,707	43.2%	14,073	56.8%	11,766	43.9%	15,035	56.1%	12,362	44.1%	15,692	55.9%	13,642	44.1%	17,307	39.7%				
Western Iowa Tech	3,383	42.2%	4,642	57.8%	3,346	42.9%	4,456	57.1%	3,206	41.8%	4,459	58.2%	3,153	41.6%	4,418	39.7%				
Iowa Western	2,614	41.9%	3,629	58.1%	2,742	41.5%	3,868	58.5%	2,963	43.0%	3,925	57.0%	3,118	42.7%	4,181	39.7%				
Southwestern	705	40.8%	1,022	59.2%	792	43.8%	1,018	56.2%	744	39.8%	1,124	60.2%	754	37.0%	1,283	39.7%				
Indian Hills	2,421	40.1%	3,617	59.9%	2,327	39.2%	3,607	60.8%	2,465	39.2%	3,829	60.8%	2,703	40.2%	4,025	39.7%				
Southeastern	1,631	36.5%	2,842	63.5%	1,637	36.1%	2,894	63.9%	1,661	36.0%	2,948	64.0%	1,715	35.8%	3,070	39.7%				
Total	50,762	42.3%	69,360	57.7%	51,771	42.6%	69,748	57.4%	54,189	43.1%	71,553	56.9%	57,891	43.0%	75,092	57.0%	57,891	43.5%	75,092	56.5%

NOTE: Unknown students were omitted from the chart. In fiscal year 2005: 95 (0.08%) did not report a gender; fiscal year 2006: 234 (0.19%); fiscal year 2007: 258 (0.21%); fiscal year 2008: 175 (0.14%); fiscal year 2009: 404 (0.3%).

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-14: Fiscal Year Enrollment by College and Ethnicity/Race: 2005

College	American Indian	Asian	Black	Hispanic	White	No Re-sponse	Total
Northeast	23	32	86	46	4,859	1,905	6,951
North Iowa Area	11	61	124	113	3,956	2	4,267
Iowa Lakes	10	31	36	39	4,361	39	4,516
Northwest	1	13	3	16	1,562	66	1,661
Iowa Central	25	110	245	242	5,947	363	6,932
Iowa Valley	72	48	149	145	3,401	253	4,068
Hawkeye	26	108	648	113	6,730	125	7,750
Eastern Iowa	79	166	624	491	8,736	1,127	11,223
Kirkwood	219	328	771	448	17,277	2,425	21,468
Des Moines Area	140	933	1,299	603	20,179	1,626	24,780
Western Iowa Tech	136	191	167	409	6,407	716	8,026
Iowa Western	25	77	188	138	5,124	691	6,243
Southwestern	3	8	22	19	1,672	3	1,727
Indian Hills	37	72	80	107	5,524	312	6,132
Southeastern	17	49	141	115	3,940	211	4,473
Total	824	2,227	4,583	3,044	99,675	9,864	120,217

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community Colleges MIS.

Table 3-15: Fiscal Year Enrollment by College and Ethnicity/Race: 2006

College	American Indian	Asian	Black	Hispanic	White	No Re-sponse	Total
Northeast	16	42	90	55	6,205	625	7,033
North Iowa Area	11	58	128	100	4,010	59	4,366
Iowa Lakes	17	36	42	49	4,343	71	4,558
Northwest	3	5	3	16	1,625	114	1,766
Iowa Central	15	140	252	306	5,848	358	6,919
Iowa Valley	79	66	163	168	3,229	164	3,869
Hawkeye	28	96	652	123	6,792	146	7,837
Eastern Iowa	89	197	669	512	9,071	817	11,355
Kirkwood	173	350	834	413	16,776	1,872	20,418
Des Moines Area	110	899	1,394	751	20,822	2,825	26,801
Western Iowa Tech	128	182	167	417	6,028	880	7,802
Iowa Western	30	85	225	145	5,329	796	6,610
Southwestern	5	14	27	26	1,738	0	1,810
Indian Hills	32	61	73	106	5,440	356	6,068
Southeastern	15	59	155	121	4,000	191	4,541
Total	751	2,290	4,874	3,308	101,256	9,274	121,753

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community Colleges MIS.

Table 3-16: Fiscal Year Enrollment by College and Ethnicity/Race: 2007

College	American Indian	Asian	Black	Hispanic	White	No Re-sponse	Total
Northeast	18	35	93	58	6,116	419	6,739
North Iowa Area	9	52	155	105	4,035	119	4,475
Iowa Lakes	8	33	40	51	4,349	100	4,581
Northwest	5	5	8	23	1,821	142	2,004
Iowa Central	19	172	351	373	5,914	627	7,456
Iowa Valley	72	62	155	175	3,341	218	4,023
Hawkeye	33	110	661	137	7,297	138	8,376
Eastern Iowa	98	192	663	616	8,878	667	11,114
Kirkwood	183	445	1,015	461	17,708	1,862	21,674
Des Moines Area	112	990	1,516	918	22,167	2,351	28,054
Western Iowa Tech	112	153	161	438	5,675	1,126	7,665
Iowa Western	26	93	243	148	5,661	717	6,888
Southwestern	8	9	24	27	1,800	0	1,868
Indian Hills	36	49	80	130	5,799	370	6,464
Southeastern	16	61	156	140	4,054	182	4,609
Total	755	2,461	5,321	3,800	104,615	9,038	125,990

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community Colleges MIS.

Table 3-17: Fiscal Year Enrollment by College and Ethnicity/Race: 2008

College	American Indian	Asian	Black	Hispanic	White	No Re-sponse	Total
Northeast	7	40	112	75	6,219	374	6,827
North Iowa Area	11	57	161	114	4,261	114	4,718
Iowa Lakes	11	36	45	58	4,150	102	4,402
Northwest	6	16	9	32	1,922	131	2,116
Iowa Central	13	173	426	398	6,557	349	7,916
Iowa Valley	68	63	180	245	3,193	228	3,977
Hawkeye	32	114	606	127	7,408	87	8,374
Eastern Iowa	111	176	690	605	9,012	684	11,278
Kirkwood	150	456	1,049	437	17,277	2,092	21,461
Des Moines Area	114	1,103	1,758	1,021	23,914	1,663	29,573
Western Iowa Tech	112	138	142	402	5,072	1,704	7,570
Iowa Western	25	97	250	150	5,682	651	6,855
Southwestern	8	24	32	50	1,878	0	1,992
Indian Hills	61	62	83	125	5,844	369	6,544
Southeastern	20	61	161	135	3,953	213	4,543
Total	773	2,143	4,316	2,629	97,684	8,894	128,146

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community Colleges MIS.

Table 3-18: Fiscal Year Enrollment by College and Ethnicity/Race: 2009

College	American Indian	Asian	Black	Hispanic	White	No Response	Total
Northeast	13	61	124	69	6,437	343	7,047
North Iowa Area	10	62	168	119	4,326	273	4,958
Iowa Lakes	11	41	105	66	3,982	117	4,322
Northwest	3	22	9	31	1,912	131	2,108
Iowa Central	14	116	435	363	6,828	405	8,161
Iowa Valley	70	66	222	295	3,120	403	4,176
Hawkeye	38	98	647	139	7,666	103	8,691
Eastern Iowa	107	197	709	683	9,095	818	11,609
Kirkwood	157	528	1,233	440	17,460	2,788	22,606
Des Moines Area	168	1,182	1,888	1,044	23,863	2,804	30,949
Western Iowa Tech	110	124	149	462	4,555	2,230	7,630
Iowa Western	27	105	359	166	6,070	572	7,299
Southwestern	13	24	46	43	1,899	12	2,037
Indian Hills	74	50	93	176	5,951	664	7,008
Southeastern	24	67	185	139	4,133	238	4,786
Total	839	2,743	6,372	4,235	107,297	11,901	133,387

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community Colleges MIS.

Table 3-19: Fiscal Year Enrollment by College and Residency: 2005

College	Iowa		Out-of-State		International		Total
	Count	Percent of Row Total	Count	Percent of Row Total	Count	Percent of Row Total	
Northeast	6,402	91.8%	529	7.6%	46	0.7%	6,977
North Iowa Area	4,055	94.7%	206	4.8%	22	0.5%	4,283
Iowa Lakes	4,375	93.7%	293	6.3%	2	0.1%	4,670
Northwest	1,587	94.8%	87	5.2%	0	0.0%	1,674
Iowa Central	6,718	96.8%	182	2.6%	40	0.6%	6,940
Iowa Valley	3,845	94.5%	223	5.5%	0	0.0%	4,068
Hawkeye	7,663	98.8%	39	0.5%	56	0.7%	7,758
Eastern Iowa	10,450	92.3%	766	6.8%	103	0.9%	11,319
Kirkwood	20,334	94.3%	509	2.4%	722	3.4%	21,565
Des Moines Area	24,165	97.3%	334	1.4%	327	1.3%	24,826
Western Iowa Tech	6,975	86.9%	1,051	13.1%	0	0.0%	8,026
Iowa Western	5,059	81.0%	1,112	17.8%	75	1.2%	6,246
Southwestern	1,631	94.4%	82	4.8%	14	0.8%	1,727
Indian Hills	5,785	94.3%	312	5.1%	35	0.6%	6,132
Southeastern	3,753	83.4%	722	16.1%	23	0.5%	4,498
Total	112,797	93.5%	6,447	5.3%	1,465	1.2%	120,709

NOTE: "Percent of Row Total" denotes the proportion of students in each resident category for each college.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-20: Fiscal Year Enrollment by College and Residency: 2006

College	Iowa		Non-Iowa		Foreign		Total
	Count	Percent of Row Total	Count	Percent of Row Total	Count	Percent of Row Total	
Northeast	6,414	91.2%	592	8.4%	27	0.4%	7,033
North Iowa Area	4,125	94.5%	199	4.6%	42	1.0%	4,366
Iowa Lakes	4,183	91.6%	369	8.1%	13	0.3%	4,565
Northwest	1,678	95.0%	88	5.0%	0	0.0%	1,766
Iowa Central	6,642	95.8%	236	3.4%	55	0.8%	6,933
Iowa Valley	3,620	93.6%	161	4.2%	88	2.3%	3,869
Hawkeye	7,769	99.1%	41	0.5%	27	0.3%	7,837
Eastern Iowa	10,234	89.9%	1,083	9.5%	67	0.6%	11,384
Kirkwood	19,779	96.7%	431	2.1%	247	1.2%	20,457
Des Moines Area	26,205	97.5%	397	1.5%	266	1.0%	26,868
Western Iowa Tech	6,835	87.6%	967	12.4%	0	0.0%	7,802
Iowa Western	5,305	80.3%	1,225	18.5%	80	1.2%	6,610
Southwestern	1,711	94.5%	87	4.8%	12	0.7%	1,810
Indian Hills	5,761	94.9%	276	4.6%	31	0.5%	6,068
Southeastern	3,828	84.3%	694	15.3%	20	0.4%	4,542
Total	114,089	93.6%	6,846	5.6%	975	0.8%	121,910

NOTE: Eastern Iowa reported 1 student without a residency. Note: "Percent of Row Total" denotes the proportion of students in each resident category for each college.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-21: Fiscal Year Enrollment by College and Residency: 2007

College	Iowa		Non-Iowa		Foreign		Total
	Count	Percent of Row Total	Count	Percent of Row Total	Count	Percent of Row Total	
Northeast	6,176	91.7%	552	8.2%	11	0.2%	6,739
North Iowa Area	4,195	93.7%	247	5.5%	33	0.7%	4,475
Iowa Lakes	4,143	48.3%	4,428	51.6%	10	0.1%	8,581
Northwest	1,913	95.5%	91	4.5%	0	0.0%	2,004
Iowa Central	6,905	92.6%	495	6.6%	59	0.8%	7,459
Iowa Valley	3,758	93.4%	173	4.3%	92	2.3%	4,023
Hawkeye	8,292	99.0%	57	0.7%	27	0.3%	8,376
Eastern Iowa	9,939	89.4%	1,103	9.9%	71	0.6%	11,113
Kirkwood	20,854	96.2%	536	2.5%	282	1.3%	21,672
Des Moines Area	27,475	97.7%	367	1.3%	278	1.0%	28,120
Western Iowa Tech	6,732	87.8%	933	12.2%	0	0.0%	7,665
Iowa Western	5,528	80.3%	1,274	18.5%	86	1.3%	6,888
Southwestern	1,771	94.8%	88	4.7%	9	0.5%	1,868
Indian Hills	6,125	94.8%	316	4.9%	23	0.4%	6,464
Southeastern	3,855	83.6%	722	15.7%	32	0.7%	4,609
Total	117,661	90.5%	11,382	8.8%	1,013	0.8%	130,056

NOTE: Eastern Iowa had one student with unknown residency and Kirkwood reported two students with an unknown residency. "Percent of Row Total" denotes the proportion of students in each resident category for each college.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-22: Fiscal Year Enrollment by College and Residency: 2008

College	Iowa		Non-Iowa		Foreign		Total
	Count	Percent of Row Total	Count	Percent of Row Total	Count	Percent of Row Total	
Northeast	6,210	91.0%	600	8.8%	17	0.3%	6,827
North Iowa Area	4,424	93.8%	257	5.5%	37	0.8%	4,718
Iowa Lakes	3,991	90.7%	400	9.1%	11	0.3%	4,402
Northwest	1,960	93.3%	141	6.7%	0	0.0%	2,101
Iowa Central	7,164	90.5%	676	8.5%	79	1.0%	7,919
Iowa Valley	3,697	93.0%	184	4.6%	96	2.4%	3,977
Hawkeye	8,277	98.9%	66	0.8%	31	0.4%	8,374
Eastern Iowa	10,037	89.1%	1,154	10.2%	80	0.7%	11,271
Kirkwood	20,826	97.0%	454	2.1%	184	0.9%	21,464
Des Moines Area	28,901	97.6%	441	1.5%	279	0.9%	29,621
Western Iowa Tech	6,672	88.1%	898	11.9%	0	0.0%	7,570
Iowa Western	5,444	79.3%	1,305	19.0%	113	1.7%	6,862
Southwestern	1,879	94.3%	96	4.8%	17	0.9%	1,992
Indian Hills	6,170	94.3%	346	5.3%	28	0.4%	6,544
Southeastern	3,841	84.6%	670	14.8%	29	0.6%	4,540
Total	119,493	93.2%	7,688	6.0%	1,001	0.8%	128,182

Note: Northwest reported 15 students with an unknown residency, Southeastern reported three students without a residency, and Eastern Iowa reported seven students. "Percent of Row Total" denotes the proportion of students in each resident category for each college. Source: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-23: Fiscal Year Enrollment by College and Residency: 2009

College	Iowa		Non-Iowa		Foreign		Total
	Count	Percent of Row Total	Count	Percent of Row Total	Count	Percent of Row Total	
Northeast	6,443	94.4%	590	8.6%	14	0.2%	6,827
North Iowa Area	4,621	97.9%	303	6.4%	34	0.7%	4,718
Iowa Lakes	4,322	98.2%	0	0.0%	0	0.0%	4,402
Northwest	1,955	93.1%	153	7.3%	0	0.0%	2,101
Iowa Central	7,301	92.2%	786	9.9%	90	1.1%	7,919
Iowa Valley	3,850	96.8%	205	5.2%	112	2.8%	3,977
Hawkeye	8,576	102.4%	72	0.9%	43	0.5%	8,374
Eastern Iowa	10,341	91.7%	1,168	10.4%	93	0.8%	11,271
Kirkwood	21,621	100.7%	644	3.0%	337	1.6%	21,464
Des Moines Area	30,209	102.0%	482	1.6%	316	1.1%	29,621
Western Iowa Tech	6,696	88.5%	934	12.3%	0	0.0%	7,570
Iowa Western	5,751	83.8%	1,401	20.4%	151	2.2%	6,862
Southwestern	1,897	95.2%	122	6.1%	18	0.9%	1,992
Indian Hills	6,596	100.8%	381	5.8%	31	0.5%	6,544
Southeastern	4,004	88.2%	746	16.4%	36	0.8%	4,540
Total	124,183	96.9%	7,987	6.2%	1,275	1.0%	128,182

NOTE: Iowa Valley reported 9 students with an unknown residency, Eastern Iowa reported seven students without a residency, and Kirkwood reported four students. "Percent of Row Total" denotes the proportion of students in each resident category for each college.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-24: Fiscal Year Enrollment by College and Career Cluster: 2005

	Northeast	North Iowa Area	Iowa Lakes	Northwest	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern	Indian Hills	Southeastern	Total
Agriculture, Food and Natural Resources	179	38	201	0	17	77	190	100	794	192	66	85	17	21	114	2,091
Architecture and Construction	192	73	141	134	154	115	136	169	409	322	513	106	111	77	112	2,764
Arts, A/V Technology and Communications	490	196	83	157	129	251	523	1,449	1,780	687	121	125	204	325	41	1,957
Business, Management and Administration	0	45	0	0	0	0	0	79	39	7	63	0	0	0	29	6,520
Education and Training	0	3	0	0	0	0	112	0	7	0	0	7	0	0	0	262
Finance	120	0	0	0	263	0	0	0	337	0	46	0	0	0	0	129
Government and Public Administration	744	790	137	728	305	1,492	2,322	3,480	1,433	3,024	1,077	154	1,695	1,477	0	766
Health Science	0	110	1	0	0	113	0	344	209	63	0	68	0	0	14	18,858
Hospitality and Tourism	61	0	23	0	0	125	97	414	250	153	74	80	0	137	0	922
Human Services	135	61	40	68	68	143	228	862	508	106	106	96	448	91	199	1,414
Information Technology	0	130	206	0	97	207	27	891	858	330	136	0	0	156	125	3,159
Law, Public Safety and Security	56	22	110	301	39	347	237	373	201	190	66	22	544	136	80	3,163
Manufacturing	11	18	7	17	0	67	351	0	551	69	76	0	0	0	85	2,724
Marketing, Sales and Service	1	0	6	0	21	0	313	131	11	0	47	55	0	0	0	1,252
Science, Technology, Engineering and Mathematics	72	229	79	264	254	0	313	346	372	445	203	76	319	238	0	585
Transportation, Distribution and Logistics	2,811	2,580	1,130	4,989	3,179	4,462	7,025	11,550	20,493	3,619	5,391	1,213	3,114	2,297	6,638	3,210
College Transfer (Parallel)																
Total	4,872	4,295	2,303	6,658	4,585	7,418	12,198	20,289	29,004	9,471	8,076	2,210	6,496	4,955	7,437	130,267

NOTE: Definitions of Career Clusters can be obtained from <http://www.careerclusters.org>.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-25: Fiscal Year Enrollment by College and Career Cluster: 2006

	Northeast	North Iowa Area	Iowa Lakes	Northwest	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern	Indian Hills	Southeastern	Total
Agriculture, Food and Natural Resources	207	34	179	0	50	85	181	125	721	224	66	62	17	24	110	2,085
Architecture and Construction	160	48	111	162	140	90	119	133	377	449	389	107	132	59	82	2,558
Arts, A/V Technology and Communications	0	0	107	0	79	22	298	90	681	265	99	117	39	0	59	1,856
Business, Management and Administration	544	524	192	93	225	111	214	499	1,349	2,996	676	151	129	178	360	8,241
Education and Training	0	18	0	0	0	0	0	38	82	63	7	70	0	0	0	278
Finance	0	5	0	0	0	0	0	0	94	0	10	0	0	0	0	109
Government and Public Administration	49	0	0	0	0	0	0	0	255	357	0	0	0	0	0	661
Health Science	1,209	642	830	120	610	317	1,528	2,130	3,130	1,810	1,669	1,164	135	1,904	1,230	18,428
Hospitality and Tourism	0	24	62	0	0	0	0	125	332	238	0	72	0	51	0	904
Human Services	69	0	53	0	157	31	102	113	336	261	121	86	0	97	73	1,499
Information Technology	157	102	62	36	60	43	120	255	743	511	90	103	90	362	70	2,804
Law, Public Safety and Security	0	139	104	0	246	74	173	30	820	842	283	0	0	125	126	2,962
Manufacturing	102	58	17	141	367	37	386	215	330	321	165	63	27	452	152	2,833
Marketing, Sales and Service	110	8	25	0	0	16	59	0	328	641	72	81	0	0	0	1,340
Science, Technology, Engineering and Mathematics	18	0	1	0	8	0	12	202	135	0	5	31	0	29	0	441
Transportation, Distribution and Logistics	115	75	146	73	288	0	200	326	329	455	426	215	80	310	168	3,206
College Transfer (Parallel)	4,293	2,991	2,851	1,141	4,963	3,043	4,445	7,125	10,737	20,223	3,724	5,759	1,318	3,082	2,111	77,806
Total	7,033	4,668	4,740	1,766	7,193	3,869	7,837	11,406	20,779	29,656	7,802	8,081	1,967	6,673	4,541	128,011

NOTE: Definitions of Career Clusters can be obtained from <http://www.careerclusters.org>.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-26: Fiscal Year Enrollment by College and Career Cluster: 2007

	Northeast	North Iowa Area	Iowa Lakes	Northwest	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern	Indian Hills	Southeastern	Total
Agriculture, Food and Natural Resources	183	43	137	1	48	75	214	146	687	299	64	68	18	25	94	2,102
Architecture and Construction	151	74	111	176	177	87	104	101	371	855	335	107	131	75	97	2,952
Arts, A/V Technology and Communications	0	3	93	0	108	23	252	85	812	287	73	126	34	0	62	1,958
Business, Management and Administration	462	464	181	106	300	90	192	463	1,614	3,517	486	157	147	155	347	8,681
Education and Training	0	17	0	0	0	0	0	46	74	162	6	66	0	0	0	371
Finance	0	9	0	0	0	0	0	0	99	0	13	0	0	0	0	121
Government and Public Administration	30	0	0	0	0	0	0	0	290	379	0	0	0	0	0	699
Health Science	1,186	761	748	130	704	283	1,196	1,981	3,219	1,865	1,500	1,138	151	2,159	1,098	18,119
Hospitality and Tourism	0	21	46	0	0	0	0	99	349	334	0	73	0	46	0	968
Human Services	56	30	47	0	140	22	106	97	322	332	108	87	0	101	59	1,507
Information Technology	131	126	54	29	55	45	97	211	715	490	96	91	64	426	59	2,689
Law, Public Safety and Security	0	138	105	0	334	69	175	17	794	875	294	0	0	129	128	3,058
Manufacturing	61	55	18	123	413	33	357	275	373	285	150	58	1	354	111	2,667
Marketing, Sales and Service	78	3	17	0	0	20	76	0	345	721	65	102	0	0	0	1,427
Science, Technology, Engineering and Mathematics	21	3	6	0	8	0	2	192	88	0	2	57	0	48	0	427
Transportation, Distribution and Logistics	86	79	159	95	332	0	182	297	310	842	249	178	79	363	139	3,390
College Transfer (Parallel)	4,294	2,916	2,859	1,344	5,234	3,276	5,423	7,104	11,212	19,824	4,224	6,129	1,401	3,297	2,415	80,952
Total	6,739	4,742	4,581	2,004	7,853	4,023	8,376	11,114	21,674	31,067	7,665	8,437	2,026	7,178	4,609	132,088

NOTE: Definitions of Career Clusters can be obtained from <http://www.careerclusters.org>.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-27: Fiscal Year Enrollment by College and Career Cluster: 2008

	Northeast	North Iowa Area	Iowa Lakes	Northwest	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern	Indian Hills	Southeastern	Total
Agriculture, Food and Natural Resources	216	109	158	2	54	71	232	132	737	425	39	63	18	33	95	2,384
Architecture and Construction	163	65	205	192	153	71	119	75	414	811	237	158	130	72	61	2,926
Arts, A/V Technology and Communications	35	24	93		96	22	260	92	880	287	81	111	39		31	2,051
Business, Management and Administration	431	622	208	91	291	102	196	409	1,803	3,488	426	160	153	149	253	8,782
Education and Training	0	30	0	0	0	0	0	44	65	185	6	57	0	0	0	387
Finance	0	4	0	0	0	0	0	0	121	0	17	0	0	0	0	142
Government and Public Administration	11	0	0	0	0	0	0	0	324	461	0	0	0	0	0	796
Health Science	1,160	660	795	137	762	273	1,314	1,930	3,281	1,883	1,490	1,269	162	2,126	610	17,852
Hospitality and Tourism	0	19	105	0	32	0	0	113	377	356	0	98	0	53	0	1,153
Human Services	72	35	62	0	138	39	103	111	360	348	110	91	0	65	44	1,578
Information Technology	125	110	37	29	39	32	131	156	766	478	103	129	88	430	49	2,702
Law, Public Safety and Security	0	129	93	0	356	77	192	18	824	1,010	289	0	0	127	102	3,217
Manufacturing	46	62	27	108	392	29	387	268	353	296	138	83	0	418	100	2,707
Marketing, Sales and Service	79	17	17	5	0	14	93	0	353	694	50	94	0	0	0	1,416
Science, Technology, Engineering and Mathematics	23	9	15	0	17	0	12	228	92	0	12	52	0	47	0	507
Transportation, Distribution and Logistics	84	83	185	87	312	0	205	251	362	828	192	181	84	305	126	3,285
College Transfer (Parallel)	4,382	3,028	2,402	1,465	5,571	3,247	5,130	7,451	11,585	21,607	4,380	6,145	1,545	3,852	3,072	84,862
Grand Total	6,827	5,006	4,402	2,116	8,213	3,977	8,374	11,278	22,697	33,157	7,570	8,691	2,219	7,677	4,543	136,747

NOTE: Definitions of Career Clusters can be obtained from <http://www.careerclusters.org>.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 3-28: Fiscal Year Enrollment by College and Career Cluster: 2009

	Northeast	North Iowa Area	Iowa Lakes	Northwest	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern	Indian Hills	Southeastern	Total
Agriculture, Food and Natural Resources	212	152	206	8	86	79	253	131	742	417	37	57	26	62	50	2,518
Architecture and Construction	190	90	232	203	88	93	91	59	408	734	159	154	100	73	32	2,706
Arts, AV Technology and Communications	45	32	81	7	89	23	291	84	710	389	132	112	36		26	2,057
Business, Management and Administration	476	624	240	73	314	94	208	443	1,848	3,143	434	140	138	164	204	8,543
Education and Training	0	28	0	0	0	0	0	33	18	148	12	57	0	0	0	296
Finance	0	3	0	0	0	0	0	0	118	0	19	0	0	0	0	140
Government and Public Administration	4	0	0	0	0	0	0	0	111	514	0	0	0	0	0	629
Health Science	1,323	713	805	104	903	277	1,283	2,168	3,804	1,700	1,480	1,559	315	2,452	441	19,327
Hospitality and Tourism	0	16	75	0	44	0	0	132	381	372	0	95	0	56	0	1,171
Human Services	88	5	80	0	192	50	120	115	89	375	117	76	0	76	40	1,423
Information Technology	131	112	43	25	52	49	137	184	855	493	104	100	57	408	41	2,791
Law, Public Safety and Security	10	123	113	0	319	58	224	17	305	1,091	312	0	0	114	104	2,790
Manufacturing	65	131	39	102	393	50	409	333	1,107	387	131	80		466	126	3,819
Marketing, Sales and Service	69	18	17	1	0	14	86	0	331	634	42	77	0	0	0	1,289
Science, Technology, Engineering and Mathematics	26	17	11	0	42	0	164	247	192	0	16	57	0	32	2	806
Transportation, Distribution and Logistics	95	98	140	84	300	0	208	256	366	920	137	173	79	324	54	3,234
College Transfer (Parallel)	4,313	3,131	2,240	1,501	5,639	3,389	5,218	7,820	13,047	23,799	4,498	6,586	1,534	4,093	3,685	90,493
Total	7,047	5,293	4,322	2,108	8,461	4,176	8,692	12,022	24,432	35,116	7,630	9,323	2,285	8,320	4,805	144,032

NOTE: Totals may be greater than enrollment since students may be in one or more clusters. Definitions of Career Clusters can be obtained from <http://www.careerclusters.org/>.
SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

4

ONLINE CREDIT ENROLLMENT AND DEMOGRAPHICS

The Iowa Department of Education has collected data on community college enrollment in online coursework since fiscal year 2007. The Department defines online enrollment as students who enrolled in one or more courses delivered entirely (100%) online. Data was not collected on hybrid/blended online courses and other distance education delivery methods.

Nationally, over four million students enroll in online classes at community colleges (Parsad and Lewis, 2007). In Iowa, the number of students enrolled in online coursework continued to increase at a significant rate, rising 16.1 percent in fiscal year 2009 to 42,694 unduplicated students. Nearly a third of all community college students enrolled in one or more online courses during the fiscal year (Figure 4-1).

Students were also enrolling in more credit hours. Community college students enrolled in online

ONLINE CREDIT ENROLLMENT

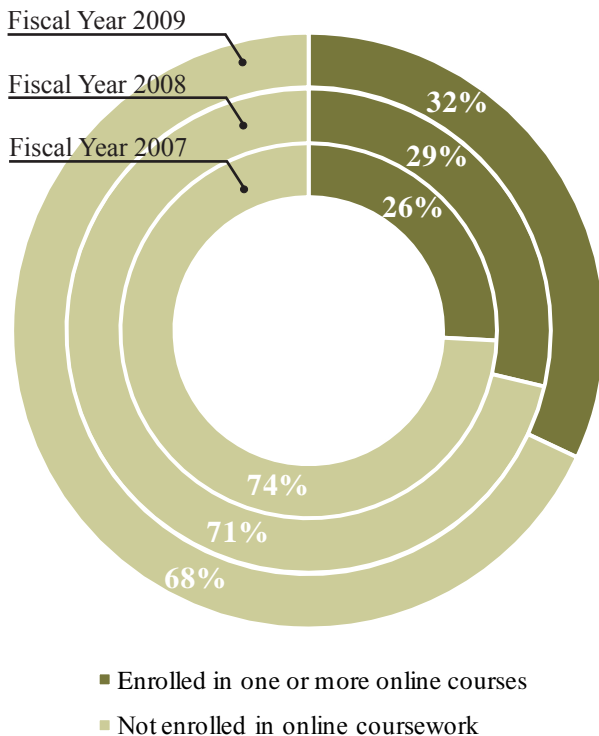
NUMBER OF STUDENTS: **42,694** GROWTH SINCE LAST YEAR: **↑ 16.1%**

CREDIT HOURS: **276,597** ONLINE CREDIT HOURS PER STUDENT: **2.1**
Up 20.3% since 2008. Up 15.6% since 2008.

ONLINE CREDIT HOURS PER STUDENT ENROLLED IN ONLINE COURSEWORK: **6.5** GROWTH SINCE LAST YEAR: **↑ 3.6%**

coursework enrolled in an average of 6.5 credit hours of online courses — 3.6 percent more than the previous year (Figure 4-3). Because more students are enrolling in online courses and each student is enrolling in more credit hours, the average number of online credit hours per college student rose 15.6 percent to 2.1 credit hours. In fiscal year 2009, 14.4 percent of credit hours were delivered online (Figure 4-2).

Figure 4-1: Fiscal Year Online Credit Enrollment: 2007-2009



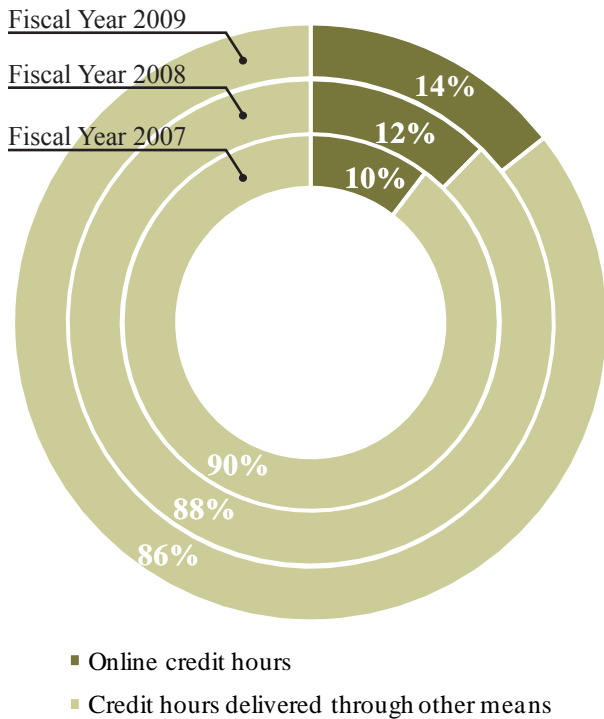
NOTE: WITCC did not report online enrollment in FY 2007.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Table 4-1.

Online Students in Programs

Enrollment in Iowa’s community colleges is disaggregated into four program types: college parallel, career option, career and technical education (CTE), and a combination. Nearly two thirds of students in online coursework were enrolled in college parallel programs designed to articulate to a four-year institution (Figure 4-4). The program type with the second largest enrollment of students taking online coursework was CTE. In fiscal year 2009, over 27 percent of students enrolling in online coursework were enrolled in a CTE program. While a smaller proportion of students taking online coursework were enrolled in CTE than the total student body, the number of CTE students taking one or more online courses has risen more than 38 percent since fiscal year 2007.

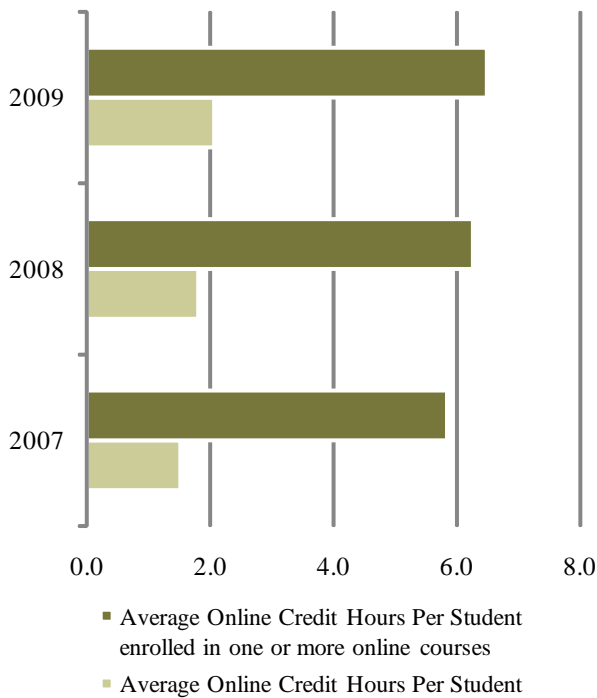
Enrollment of CTE students in online coursework has increased, however when disaggregated by program major, there is significant variation between career clusters. As with total enrollment, the Health Sciences cluster is the largest with 6,495 students enrolled in one

Figure 4-2: Fiscal Year Online Credit Hours: 2007-2009



NOTE: WITCC did not report online enrollment in FY 2007.
SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 4-2.

Figure 4-3: Average Online Credit Hours per Student: 2007-2009

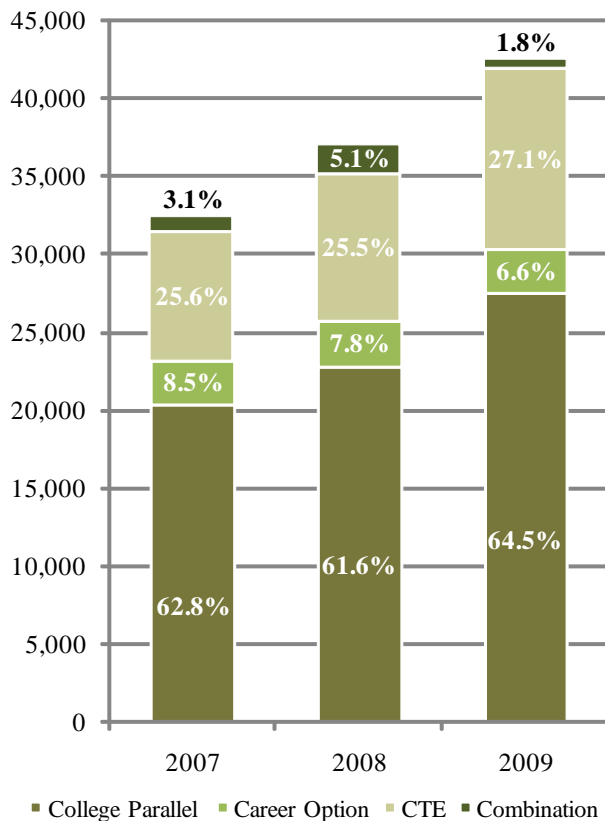


NOTE: WITCC did not report online enrollment in FY 2007.
SOURCE: Iowa Department of Education, Bureau of Community College Services.

or more online courses (Figure 4-5). The courses may or may not be within the cluster, but students within the program area are increasing enrolling in online courses. The STEM (Science, Technology, Engineering, and Mathematics) clusters had the largest percentage growth in online enrollment — increasing more than 34 percent over fiscal year 2008. While most clusters experienced growth, Law, Public Safety, Corrections, and Security, Marketing, and some career clusters with smaller enrollment experienced declines in the number of students taking online coursework.

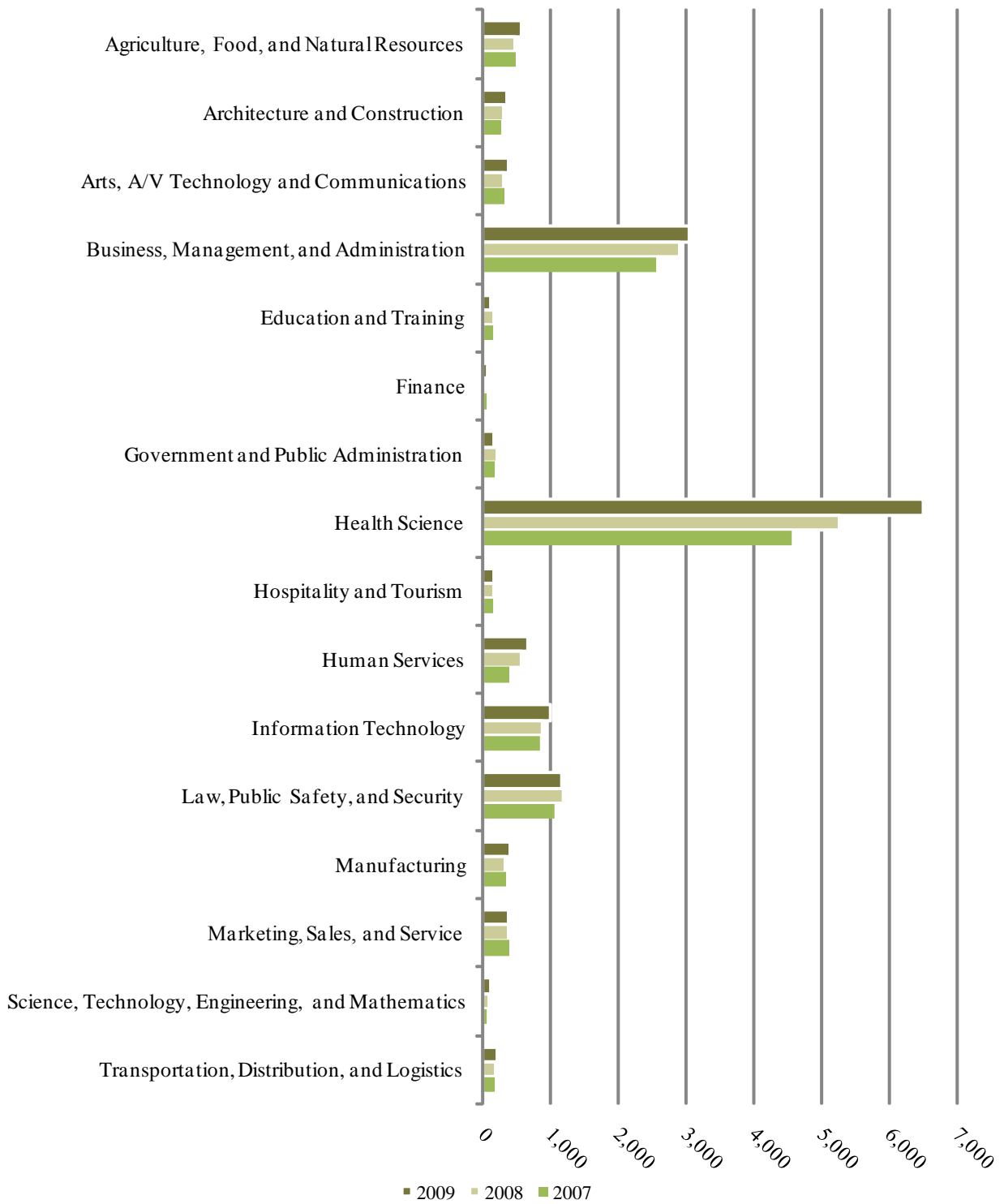
A review of credit hours delivered online shows a different trend (Figure 4-6). The Health Science career cluster had the largest number of credit hours, 40,002, delivered online (Table 4-7). The Human Services career cluster had the largest share of credit hours delivered online (27.3 percent). Three career clusters had a fifth of total credit hours delivered online: Business, Management, and Administration; Finance; and Law, Public Safety, and Security. The Transportation, Distribution, and Logistics career cluster had the smallest percentage of credit hours delivered online (1.4 percent) followed by Architecture and Construction (2.6 percent).

Figure 4-4: Online Credit Enrollment by Program Type: 2007-2009



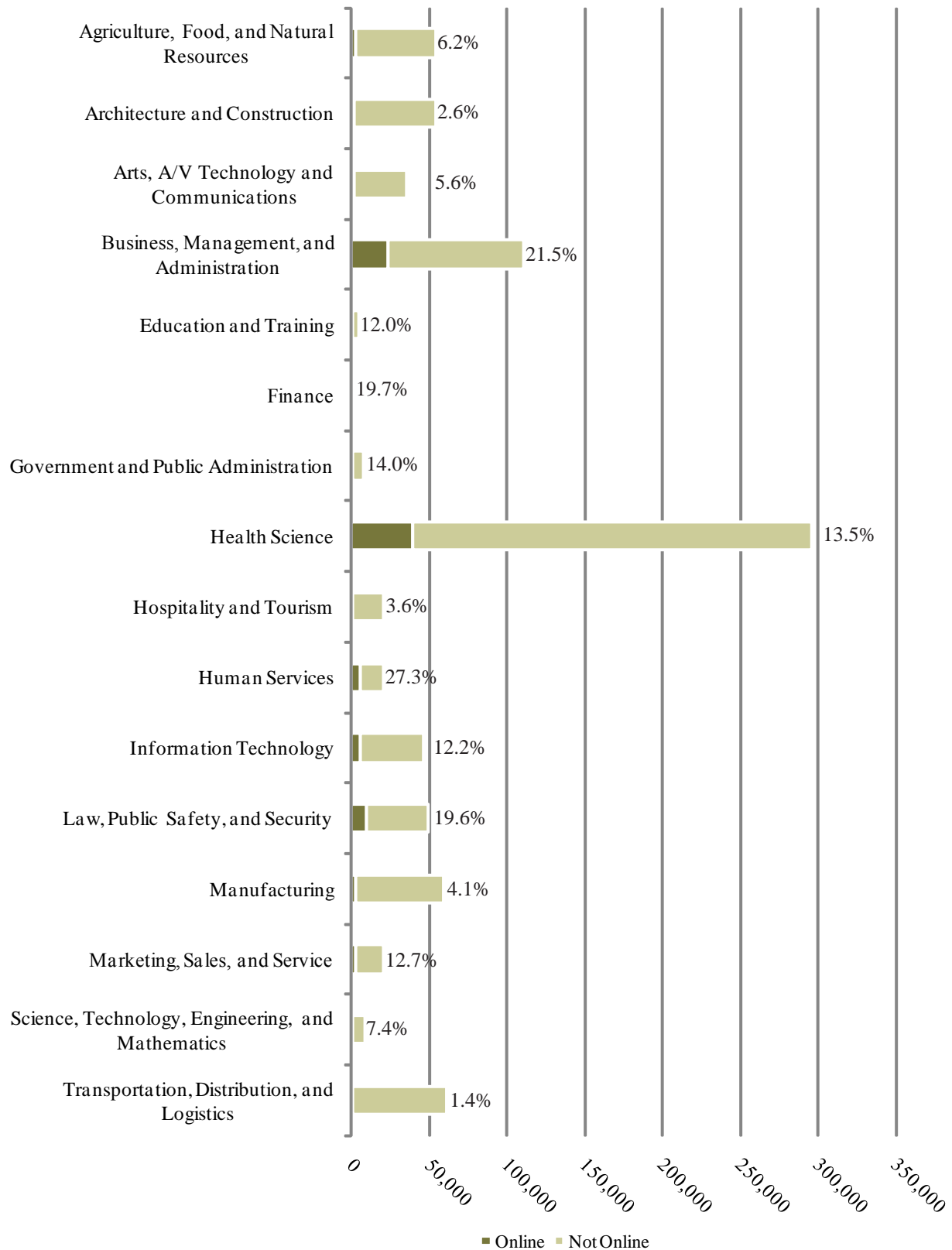
NOTE: WITCC did not report online enrollment in FY 2007.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Tables 4-4 and 4-5.

Figure 4-5: Online Credit Career and Technical Education Enrollment (in one or more courses) by Career Cluster: 2007-2009



NOTE: WITCC did not report online enrollment in FY 2007.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Table 4-6.

Figure 4-6: Online and Total Credit Hours, Percentage Delivered Online, by Career Cluster: 2009



NOTE: WITCC did not report online enrollment in FY 2007.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Table 4-7.

Jointly Enrolled Students

Jointly enrolled students are less likely to be enrolled in online coursework than the general student body. In fiscal year 2009, 11.3 percent of jointly enrolled students enrolled in one or more online courses compared with 32 percent of the total student body (Figure 4-7). Additionally, only seven percent of joint enrollment credit hours were delivered online compared with nearly 17 percent of total credit hours (Figure 4-8).

Nationally, 29 percent of public two-year colleges offered distance education courses to high school students. In Iowa, all 15 community colleges offer online courses to jointly enrolled students.

Online Student Demographics

The typical community college student taking online courses is female, 25 years old, and white. Compared with the overall student body, students taking online courses are more likely to be female, older (23-36 age group), and white, and less likely to be jointly enrolled in high school.

In fiscal year 2009, nearly 67 percent of students enrolled in online coursework were female compared to 57 percent of the total student body (Figure 4-9). The percentage of students enrolled in online coursework that were female increased half of one percent from fiscal year 2008.

Students enrolled in online coursework are older than the overall student body. The average age of students taking one or more online courses is 25.6 years old — a year and a half older than the average Iowa community college student. Students in their late 20s to early 40s

TYPICAL STUDENT TAKING ONLINE COURSEWORK

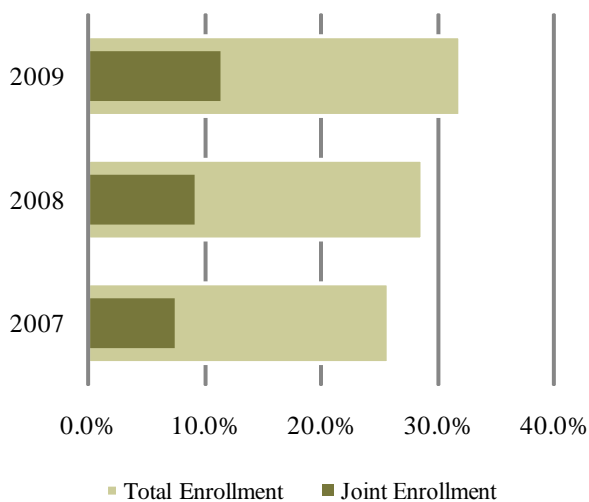


enroll in online coursework at higher rates than older or younger age groups (Figure 4-12).

As with the overall student body, students enrolling in online coursework are predominantly white. However, a smaller percentage of students with racial/ethnic minority backgrounds enrolled in online coursework than white students. Only 23.5 percent of Hispanic students and 26.7 percent of black students enrolled in online coursework compared with 33.2 percent of students identified as white (Figure 4-11). While students with minority racial/ethnic backgrounds enroll in online coursework at lower rates, the number is growing at a faster rate than for students identified as white.

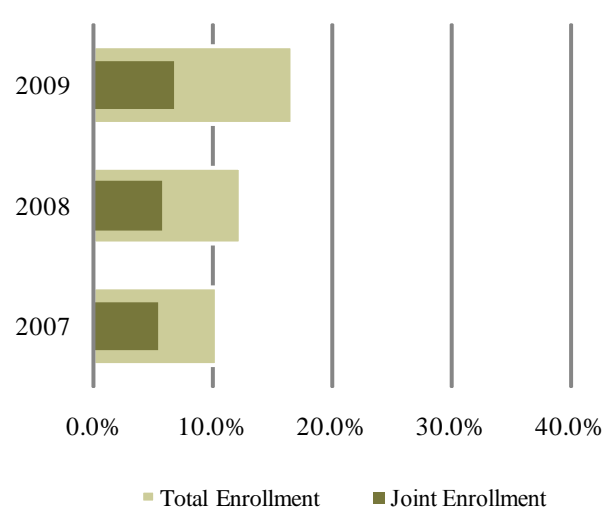
As with the overall student body, students taking online coursework are predominantly residents of Iowa. Approximately 90 percent of students taking one or more online courses were residents (Figure 4-10). However, the number of out-of-state students enrolling in online coursework increased 39 percent from fiscal year 2007.

Figure 4-7: Online Credit Joint Enrollment: 2007-2009



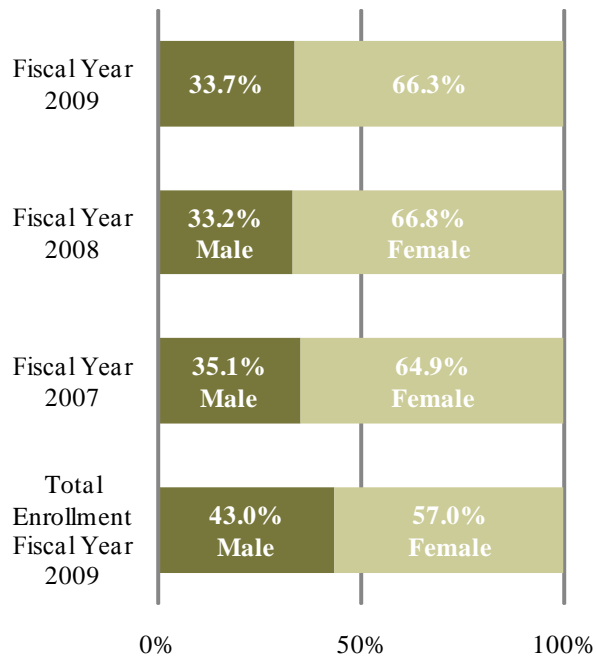
NOTE: WITCC did not report online enrollment in FY 2007.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Tables 4-8, 4-9.

Figure 4-8: Online Credit Joint Enrollment: Credit Hours 2007-2009



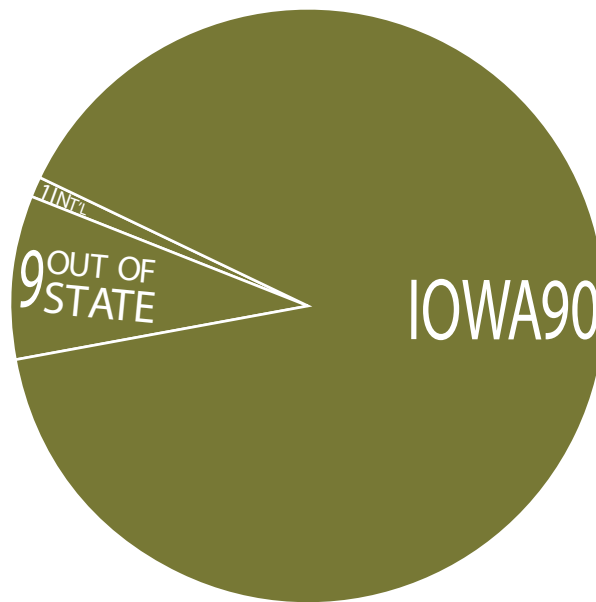
NOTE: WITCC did not report online enrollment in FY 2007.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Tables 4-8, 4-9.

Figure 4-9: Online Credit Enrollment (Taken one or more online courses) and Total Enrollment by Gender: 2007-2009



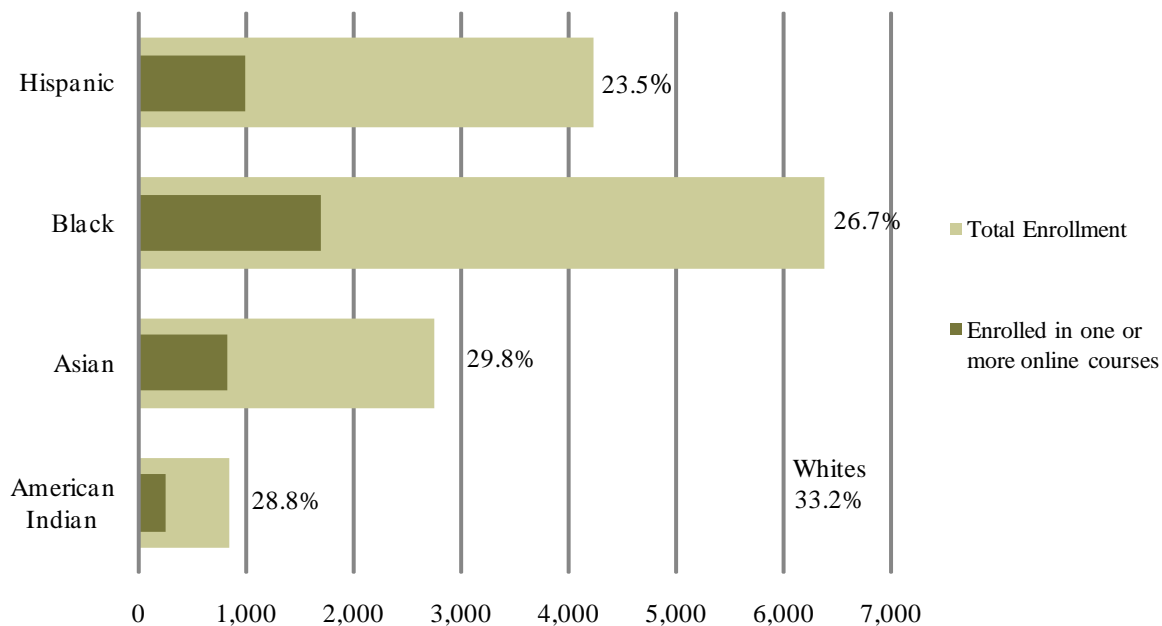
NOTE: WITCC did not report online enrollment in FY 2007.
SOURCE: Iowa Department of Education, Bureau of Community College Service Services, Table 4-10.

Figure 4-10: Online Credit Student Residency: 2009



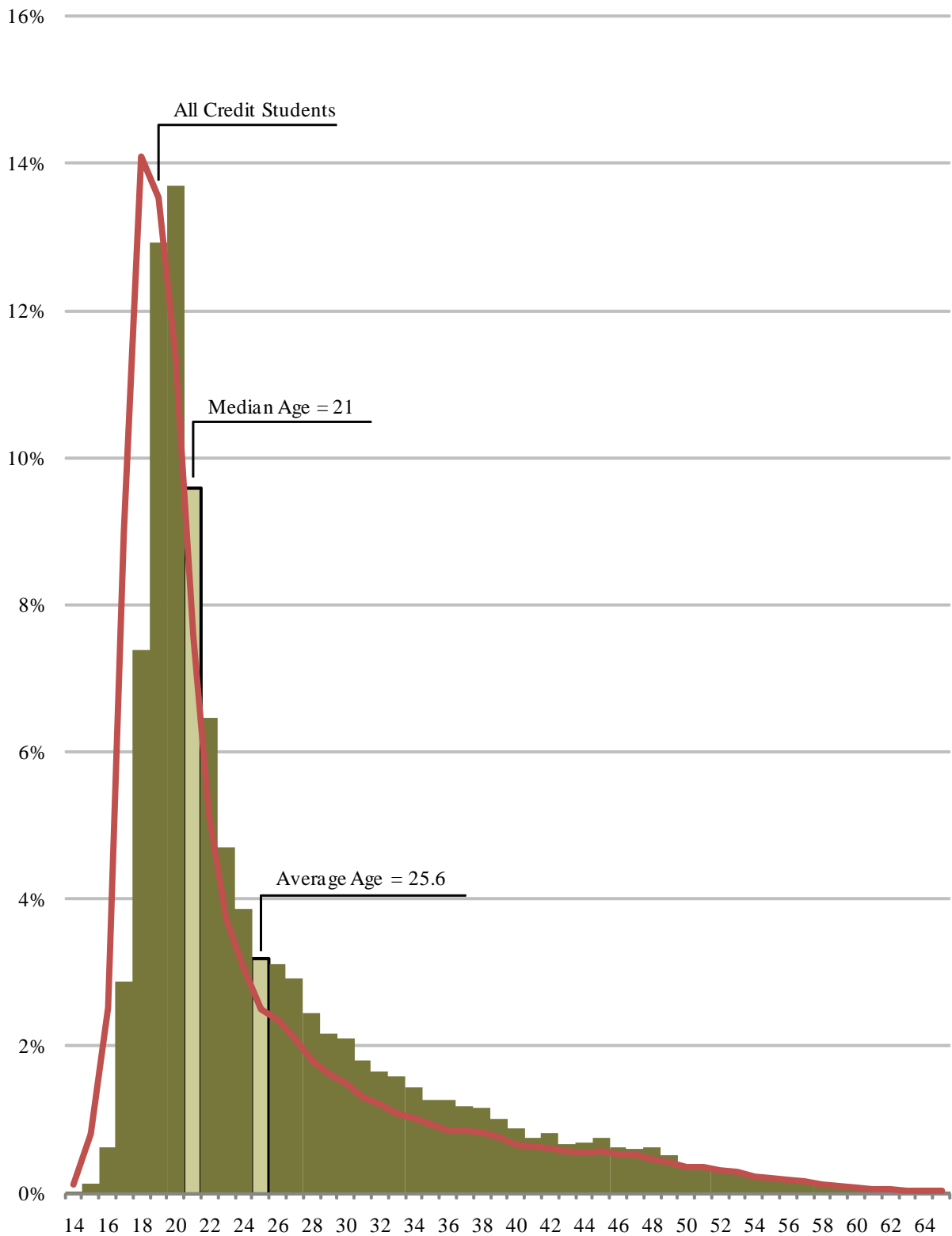
SOURCE: Iowa Department of Education, Bureau of Community College Services, Table 4-16.

Figure 4-11: Online Credit Student (enrolled in one or more online courses) and Total Student Racial/Ethnic Background: 2009



NOTE: WITCC did not report online enrollment in FY 2007.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Tables 4-13, 4-14.

Figure 4-12: Online Credit Student (enrolling in one or more online courses) Age: 2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Tables 4-11, 4-12.

Table 4-1: Online Credit Enrollment by College: 2007-2009

College	2007	2008	2009	Avg. Annual Change FY 2007-FY 2009
Northeast	1,598	1,714	2,165	10.7%
North Iowa Area	1,772	1,995	2,280	8.8%
Iowa Lakes	1,367	1,459	1,555	4.4%
Northwest Iowa	743	835	867	5.3%
Iowa Central	2,475	2,923	3,397	11.1%
Iowa Valley	1,529	1,515	1,723	4.1%
Hawkeye	3,502	1,833	2,145	-15.1%
Eastern Iowa	3,088	3,814	4,428	12.8%
Kirkwood	5,091	4,951	5,706	3.9%
Des Moines Area	6,047	6,890	7,991	9.7%
Western Iowa Tech	0*	2,729	3,190	8.1%
Iowa Western	1,789	1,712	2,104	5.6%
Southwestern	605	932	1,088	21.6%
Indian Hills	1,573	1,938	2,362	14.5%
Southeastern	1,371	1,536	1,693	7.3%
Total	32,550	36,776	42,694	9.5%

NOTE: Each bar "l" denotes 300 enrollees. * WITCC did not report online enrollment in FY 2007; average change includes fiscal years 2008 and 2009 only. SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-2: Credit Hours Delivered Online by College: 2007-2009

College	2007	2008	2009	Avg. Annual Change FY 2007-FY 2009
Northeast	7,779	9,445	12,780	18.00%
North Iowa Area	5,969	6,627	8,003	10.27%
Iowa Lakes	9,252	10,078	10,983	5.88%
Northwest Iowa	4,289	4,897	5,265	7.07%
Iowa Central	15,327	20,649	24,294	16.60%
Iowa Valley	9,332	9,636	11,464	7.10%
Hawkeye	19,228	9,397	11,033	-16.90%
Eastern Iowa	20,780	26,315	32,571	16.16%
Kirkwood	27,596	27,843	33,954	7.16%
Des Moines Area	37,380	44,650	53,913	12.98%
Western Iowa Tech	0*	20,578	23,471	6.80%
Iowa Western	12,310	11,598	14,976	6.75%
Southwestern	3,015	5,580	6,797	31.12%
Indian Hills	9,553	12,192	15,499	17.50%
Southeastern	8,473	10,439	11,594	11.02%
Total	190,282	229,923	276,597	13.28%

NOTE: Each bar "l" denotes 2,000 credit hours. * WITCC did not report online enrollment in FY 2007; average change includes fiscal years 2008 and 2009 only. SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-3: Online Credit Enrollment by College and Program Type: 2007

College	Arts & Sciences	Career Option	Career & Technical	Combination	Total
Northeast	720	8	870	0	1,598
North Iowa Area	1,177	265	226	104	1,772
Iowa Lakes	849	220	298	0	1,367
Northwest Iowa	587	48	108	0	743
Iowa Central	1,742	317	293	123	2,475
Iowa Valley	1,205	108	216	0	1,529
Hawkeye	2,462	0	1,040	0	3,502
Eastern Iowa	2,093	1	994	0	3,088
Kirkwood	2,719	508	1,864	0	5,091
Des Moines Area	3,740	1,034	937	336	6,047
Western Iowa Tech	0	0	0	0	0
Iowa Western	1,206	15	414	154	1,789
Southwestern	485	55	50	15	605
Indian Hills	632	21	650	270	1,573
Southeastern	832	152	387	0	1,371
Total	20,449	2,752	8,347	1,002	32,550

NOTE: Each bar “|” denotes 100 enrollees. SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-4: Online Credit Enrollment by College and Program Type: 2008

College	Arts & Sciences	Career Option	Career & Technical	Combination	Total
Northeast	798	5	911	0	1,714
North Iowa Area	1,222	293	339	169	2,023
Iowa Lakes	933	187	339	0	1,459
Northwest Iowa	672	49	114	0	835
Iowa Central	2,000	451	365	125	2,941
Iowa Valley	1,225	97	193	0	1,515
Hawkeye	1,326	0	507	0	1,833
Eastern Iowa	2,612	0	1,202	0	3,814
Kirkwood	2,611	433	1,635	325	5,004
Des Moines Area	4,303	1,148	987	561	6,999
Western Iowa Tech	1,398	1	1,330	0	2,729
Iowa Western	1,120	12	445	160	1,737
Southwestern	708	78	115	31	932
Indian Hills	790	14	764	508	2,076
Southeastern	1,174	119	243	0	1,536
Total	22,892	2,887	9,489	1,879	37,147

NOTE: Each bar “|” denotes 100 enrollees. SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-5: Online Credit Enrollment by College and Program Type: 2009

College	Arts & Sciences	Career Option	Career & Technical	Combination	Total
Northeast	1,010	3	1,152	0	1,714
North Iowa Area	1,459	308	472	41	2,023
Iowa Lakes	928	249	378	0	1,459
Northwest Iowa	711	37	119	0	835
Iowa Central	2,333	537	483	44	2,941
Iowa Valley	1,356	123	244	0	1,515
Hawkeye	1,525	0	620	0	1,833
Eastern Iowa	3,012	0	1,351	65	3,814
Kirkwood	3,477	176	1,975	78	5,004
Des Moines Area	5,398	1,181	1,198	214	6,999
Western Iowa Tech	1,649	5	1,536	0	2,729
Iowa Western	1,410	7	639	48	1,737
Southwestern	849	92	120	27	932
Indian Hills	1,067	12	1,047	236	2,076
Southeastern	1,368	102	223	0	1,536
Total	27,552	2,832	11,557	753	37,147

NOTE: Each bar “|” denotes 100 enrollees. SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-6: Online Credit Enrollment by College and Program Type (Proportion): 2007-2009

College	Fiscal Year	Arts & Sciences	Career Option	CTE	Combination	Total
Northeast	2007	45.1%	0.5%	54.4%	0.0%	100.0%
	2008	46.6%	0.3%	53.2%	0.0%	100.0%
	2009	46.7%	0.1%	53.2%	0.0%	100.0%
North Iowa Area	2007	66.4%	15.0%	12.8%	5.9%	100.0%
	2008	60.4%	14.5%	16.8%	8.4%	100.0%
	2009	64.0%	13.5%	20.7%	1.8%	100.0%
Iowa Lakes	2007	62.1%	16.1%	21.8%	0.0%	100.0%
	2008	63.9%	12.8%	23.2%	0.0%	100.0%
	2009	59.7%	16.0%	24.3%	0.0%	100.0%
Northwest Iowa	2007	79.0%	6.5%	14.5%	0.0%	100.0%
	2008	80.5%	5.9%	13.7%	0.0%	100.0%
	2009	82.0%	4.3%	13.7%	0.0%	100.0%
Iowa Central	2007	70.4%	12.8%	11.8%	5.0%	100.0%
	2008	68.0%	15.3%	12.4%	4.3%	100.0%
	2009	68.7%	15.8%	14.2%	1.3%	100.0%
Iowa Valley	2007	78.8%	7.1%	14.1%	0.0%	100.0%
	2008	80.9%	6.4%	12.7%	0.0%	100.0%
	2009	78.7%	7.1%	14.2%	0.0%	100.0%
Hawkeye	2007	70.3%	0.0%	29.7%	0.0%	100.0%
	2008	72.3%	0.0%	27.7%	0.0%	100.0%
	2009	71.1%	0.0%	28.9%	0.0%	100.0%
Eastern Iowa	2007	67.8%	0.0%	32.2%	0.0%	100.0%
	2008	68.5%	0.0%	31.5%	0.0%	100.0%
	2009	68.0%	0.0%	30.5%	1.5%	100.0%
Kirkwood	2007	53.4%	10.0%	36.6%	0.0%	100.0%
	2008	52.2%	8.7%	32.7%	6.5%	100.0%
	2009	60.9%	3.1%	34.6%	1.4%	100.0%
Des Moines Area	2007	61.8%	17.1%	15.5%	5.6%	100.0%
	2008	61.5%	16.4%	14.1%	8.0%	100.0%
	2009	67.6%	14.8%	15.0%	2.7%	100.0%
Western Iowa Tech	2007	--	--	--	--	--
	2008	51.2%	0.0%	48.7%	0.0%	100.0%
	2009	51.7%	0.2%	48.2%	0.0%	100.0%
Iowa Western	2007	67.4%	0.8%	23.1%	8.6%	100.0%
	2008	64.5%	0.7%	25.6%	9.2%	100.0%
	2009	67.0%	0.3%	30.4%	2.3%	100.0%
Southwestern	2007	80.2%	9.1%	8.3%	2.5%	100.0%
	2008	76.0%	8.4%	12.3%	3.3%	100.0%
	2009	78.0%	8.5%	11.0%	2.5%	100.0%
Indian Hills	2007	40.2%	1.3%	41.3%	17.2%	100.0%
	2008	38.1%	0.7%	36.8%	24.5%	100.0%
	2009	45.2%	0.5%	44.3%	10.0%	100.0%
Southeastern	2007	60.7%	11.1%	28.2%	0.0%	100.0%
	2008	76.4%	7.7%	15.8%	0.0%	100.0%
	2009	80.8%	6.0%	13.2%	0.0%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-6: Online Credit Career & Technical Education Enrollment (in one or more online courses) by Career Cluster Program Major: 2007-2009

Career Cluster	2007	2008	2009	Avg. Annual Change FY 2008-2009
Agriculture, Food, and Natural Resources	478	472	555	5.10%
Architecture and Construction	269	295	343	8.44%
Arts, A/V Technology and Communications	314	316	368	5.43%
Business, Management, and Administration	2,548	2,911	3,031	5.96%
Education and Training	141	154	114	-6.84%
Finance	45	53	59	9.45%
Government and Public Administration	165	211	157	-1.64%
Health Science	4,553 	5,247 	6,495 	12.57%
Hospitality and Tourism	156	163	166	2.09%
Human Services	386	569	650	18.97%
Information Technology	836	879	989	5.76%
Law, Public Safety, and Security	1,055	1,196	1,157	3.12%
Manufacturing	330	337	398	6.44%
Marketing, Sales, and Service	390	385	374	-1.39%
Science, Technology, Engineering, and Mathematics	62	90	121	24.97%
Transportation, Distribution, and Logistics	179	197	214	6.13%
Total	11,907	13,475	15,191	8.46%

NOTE: Each bar “|” denotes 100 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-7: Online and Total Credit Hours, Percentage Delivered Online, by Career Cluster: 2009

Career Cluster	Credit Hours		Percentage of Total
	Delivered Online	Total Delivered	
Agriculture, Food, and Natural Resources	3,331	54,152	6.2%
Architecture and Construction	1,413	54,017	2.6%
Arts, A/V Technology and Communications	1,998	35,443	5.6%
Business, Management, and Administration	23,829	110,728	21.5%
Education and Training	589	4,913	12.0%
Finance	442	2,247	19.7%
Government and Public Administration	1,114	7,983	14.0%
Health Science	40,002	295,701	13.5%
Hospitality and Tourism	750	21,003	3.6%
Human Services	5,770	21,165	27.3%
Information Technology	5,647	46,443	12.2%
Law, Public Safety, and Security	9,650	49,329	19.6%
Manufacturing	2,463	59,715	4.1%
Marketing, Sales, and Service	2,593	20,363	12.7%
Science, Technology, Engineering, and Mathematics	650	8,793	7.4%
Transportation, Distribution, and Logistics	860	61,000	1.4%

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-8: Online Joint Enrollment and Credit Hours, by College: 2007

College	Enrollment in One or More Online Courses	% of Total Joint Enrollment	Credit Hours Delivered Online	% of Total Joint Enrollment Credit Hours
Northeast Iowa	131	5.2%	455	2.9%
North Iowa Area	107	10.1%	465	5.8%
Iowa Lakes	235	24.2%	1,125	13.0%
Northwest	152	21.0%	727	13.2%
Iowa Central	597	18.2%	2,632	10.9%
Iowa Valley	139	12.6%	609	7.5%
Hawkeye	84	5.4%	301	3.7%
Eastern Iowa	241	9.1%	1,280	7.0%
Kirkwood	185	7.4%	775	4.9%
Des Moines Area	186	2.0%	793	1.3%
Western Iowa Tech*	0	0.0%	0	0.0%
Iowa Western	10	0.5%	35	0.2%
Southwestern	126	19.5%	408	8.5%
Indian Hills	84	8.8%	271	4.9%
Southeastern	133	17.8%	596	13.7%
Total	2,410	7.5%	10,472	4.7%

NOTE: *WITCC did not report online enrollment in FY 2007.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 4-9: Online Joint Enrollment and Credit Hours, by College: 2008

College	Enrollment in One or More Online Courses	% of Total Joint Enrollment	Credit Hours Delivered Online	% of Total Joint Enrollment Credit Hours
Northeast Iowa	150	5.6%	654	3.6%
North Iowa Area	167	13.2%	614	6.7%
Iowa Lakes	298	15.7%	1,570	12.1%
Northwest	168	25.2%	723	14.1%
Iowa Central	666	19.6%	2,949	11.2%
Iowa Valley	167	14.5%	759	9.7%
Hawkeye	104	5.7%	419	4.2%
Eastern Iowa	216	9.2%	920	7.8%
Kirkwood	271	9.6%	1,052	7.4%
Des Moines Area	218	2.2%	955	1.3%
Western Iowa Tech	163	8.7%	898	7.0%
Iowa Western	4	0.2%	12	0.1%
Southwestern	245	32.6%	1,119	21.3%
Indian Hills	81	6.9%	262	3.4%
Southeastern	175	20.0%	752	15.5%
Total	3,093	9.1%	13,658	5.8%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 4-9: Online Joint Enrollment and Credit Hours, by College: 2009

College	Enrollment in One or More Online Courses	% of Total Joint Enrollment	Credit Hours Delivered Online	% of Total Joint Enrollment Credit Hours
Northeast Iowa	312	10.9%	654	4.9%
North Iowa Area	194	14.2%	614	7.6%
Iowa Lakes	307	21.5%	1,570	13.8%
Northwest	114	23.3%	723	12.7%
Iowa Central	746	25.5%	2,949	13.8%
Iowa Valley	180	16.0%	759	10.6%
Hawkeye	161	9.0%	419	6.0%
Eastern Iowa	290	11.6%	920	8.8%
Kirkwood	298	8.7%	1,052	6.4%
Des Moines Area	301	3.2%	955	1.8%
Western Iowa Tech	227	12.6%	898	9.7%
Iowa Western	4	0.2%	12	0.1%
Southwestern	309	47.8%	1,119	26.2%
Indian Hills	105	9.3%	262	5.2%
Southeastern	258	29.4%	752	23.9%
Total	3,806	11.3%	13,658	6.8%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 4-10: Online Credit Enrollment by Gender, by College: 2007

College	Male	Female	Unknown	Total	Percentage Female
Northeast Iowa	505	1,093	0	1,598	68.4%
North Iowa Area	811	961	0	1,772	54.2%
Iowa Lakes	391	976	0	1,367	71.4%
Northwest	239	503	1	743	67.8%
Iowa Central	1,054	1,421	0	2,475	57.4%
Iowa Valley	485	1,044	0	1,529	68.3%
Hawkeye	1,483	2,019	0	3,502	57.7%
Eastern Iowa	919	2,169	0	3,088	70.2%
Kirkwood	1,909	3,181	1	5,091	62.5%
Des Moines Area	2,101	3,946	0	6,047	65.3%
Western Iowa Tech	0	0	0	0	--
Iowa Western	593	1,196	0	1,789	66.9%
Southwestern	183	422	0	605	69.8%
Indian Hills	393	1,176	4	1,573	75.0%
Southeastern	369	1,002	0	1,371	73.1%
Total	11,435	21,109	6	32,550	64.9%

NOTE: *WITCC did not report online enrollment in FY 2007.

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-10: Online Credit Enrollment by Gender, by College: 2008

College	Male	Female	Unknown	Total	Percentage Female
Northeast Iowa	538	1,176	0	1,714	68.6%
North Iowa Area	915	1,080	0	1,995	54.1%
Iowa Lakes	414	1,034	11	1,459	71.4%
Northwest	292	539	4	835	64.9%
Iowa Central	1,133	1,790	0	2,923	61.2%
Iowa Valley	512	1,003	0	1,515	66.2%
Hawkeye	650	1,183	0	1,833	64.5%
Eastern Iowa	1,167	2,647	0	3,814	69.4%
Kirkwood	1,809	3,142	0	4,951	63.5%
Des Moines Area	2,332	4,558	0	6,890	66.2%
Western Iowa Tech	766	1,963	0	2,729	71.9%
Iowa Western	498	1,214	0	1,712	70.9%
Southwestern	290	642	0	932	68.9%
Indian Hills	472	1,461	5	1,938	75.6%
Southeastern	406	1,130	0	1,536	73.6%
Total	12,194	24,562	20	0	66.8%

NOTE: *WITCC did not report online enrollment in FY 2007.

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-10: Online Credit Enrollment by Gender, by College: 2009

College	Male	Female	Unknown	Total	Percentage Female
Northeast Iowa	655	1,510	0	2,165	69.7%
North Iowa Area	1,051	1,229	0	2,280	53.9%
Iowa Lakes	463	1,084	8	1,555	70.1%
Northwest	296	570	1	867	65.8%
Iowa Central	1,256	2,140	1	3,397	63.0%
Iowa Valley	623	1,100	0	1,723	63.8%
Hawkeye	725	1,420	0	2,145	66.2%
Eastern Iowa	1,368	3,060	0	4,428	69.1%
Kirkwood	2,069	3,635	2	5,706	63.7%
Des Moines Area	2,808	5,183	0	7,991	64.9%
Western Iowa Tech	932	2,247	11	3,190	70.7%
Iowa Western	681	1,423	0	2,104	67.6%
Southwestern	325	763	0	1,088	70.1%
Indian Hills	632	1,721	9	2,362	73.1%
Southeastern	491	1,202	0	1,693	71.0%
Total	14,375	28,287	32	42,694	66.3%

NOTE: *WITCC did not report online enrollment in FY 2007.

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-11: Online Credit Enrollment by College and Age: 2007

College	14-17	18-22	23-26	27-30	31-39	40-55	Over 55	Un-known	Total	Average Age	Median Age
Northeast Iowa	55	761	252	140	192	185	12	1	1,598	26.3	22
North Iowa Area	55	1,189	170	89	123	135	6	5	1,772	23.6	20
Iowa Lakes	114	662	180	130	158	115	6	2	1,367	25.0	21
Northwest	42	470	76	42	49	44	6	14	743	23.3	20
Iowa Central	222	1,318	279	174	230	217	5	30	2,475	25.2	21
Iowa Valley	63	844	192	120	161	135	8	6	1,529	25.0	21
Hawkeye	38	2,230	526	270	268	157	13	0	3,502	23.7	21
Eastern Iowa	50	1,352	480	338	487	352	23	6	3,088	27.1	23
Kirkwood	68	2,607	908	557	574	359	18	0	5,091	25.3	22
Des Moines Area	78	2,878	1,134	632	739	527	44	15	6,047	26.1	23
Western Iowa Tech*	0	0	0	0	0	0	0	0	0	0.0	0
Iowa Western	2	927	276	183	239	155	7	0	1,789	25.9	22
Southwestern	51	332	73	33	72	41	3	0	605	24.2	21
Indian Hills	44	689	229	134	256	195	17	9	1,573	27.3	23
Southeastern	66	625	190	123	187	149	20	11	1,371	26.6	22
Total	948	16,884	4,965	2,965	3,735	2,766	188	99	32,550	25.5	22

NOTE: *WITCC did not report online enrollment in FY 2007.

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-12: Online Credit Enrollment by College and Age: 2008

College	14-17	18-22	23-26	27-30	31-39	40-55	Over 55	Un-known	Total	Average Age	Median Age
Northeast Iowa	408	645	212	116	170	144	10	9	1,714	25.8	22
North Iowa Area	818	695	148	77	131	120	5	1	1,995	23.5	20
Iowa Lakes	462	478	158	114	138	98	2	9	1,459	24.8	21
Northwest	313	322	52	44	50	34	4	16	835	23.0	20
Iowa Central	1,022	920	292	175	275	203	9	27	2,923	24.5	21
Iowa Valley	478	533	135	108	127	120	7	7	1,515	25.0	21
Hawkeye	419	939	174	113	106	74	4	4	1,833	23.7	21
Eastern Iowa	694	1,403	505	344	488	361	12	7	3,814	26.9	23
Kirkwood	923	2,141	688	403	511	262	11	12	4,951	25.3	22
Des Moines Area	1,051	3,042	946	567	766	470	37	11	6,890	26.1	23
Western Iowa Tech	627	938	360	223	318	239	8	16	2,729	26.3	23
Iowa Western	249	757	207	152	201	141	5	0	1,712	26.3	23
Southwestern	358	277	83	51	99	57	5	2	932	24.4	20
Indian Hills	481	637	231	153	238	178	13	7	1,938	26.5	22
Southeastern	381	506	180	125	196	134	6	8	1,536	26.3	22
Total	8,684	14,233	4,371	2,765	3,814	2,635	138	136	36,776	25.5	21

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-12: Online Credit Enrollment by College and Age: 2009

College	14-17	18-22	23-26	27-30	31-39	40-55	Over 55	Un-known	Total	Average Age	Median Age
Northeast Iowa	76	1,045	329	195	259	242	18	1	2,165	26.3	22
North Iowa Area	67	1,536	196	134	178	160	8	1	2,280	23.6	20
Iowa Lakes	132	710	187	151	222	133	13	7	1,555	25.4	22
Northwest	41	513	102	62	71	54	10	14	867	24.1	21
Iowa Central	306	1,724	395	284	375	282	21	10	3,397	24.7	21
Iowa Valley	72	960	193	129	191	157	17	4	1,723	25.2	21
Hawkeye	64	1,377	304	148	153	93	6	0	2,145	23.3	21
Eastern Iowa	94	1,981	658	496	662	501	34	2	4,428	26.9	23
Kirkwood	122	2,794	984	615	703	462	24	2	5,706	25.6	22
Des Moines Area	132	3,800	1,501	861	1,012	631	51	3	7,991	25.9	23
Western Iowa Tech	167	1,395	495	316	453	300	36	28	3,190	26.2	23
Iowa Western	2	1,059	343	241	295	153	11	0	2,104	25.8	22
Southwestern	132	556	93	75	130	91	11	0	1,088	24.5	20
Indian Hills	52	1,079	341	227	348	288	22	5	2,362	26.9	23
Southeastern	104	793	219	169	222	171	8	7	1,693	25.8	22
Total	1,563	21,322	6,340	4,103	5,274	3,718	290	84	42,694	25.4	22

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-13: Online Credit Enrollment by College and Racial/Ethnic Background: 2007

College	American Indian	Asian	Black	Hispanic	White	Not Given	Unknown	Total
Northeast Iowa	7	8	27	17	1,433	106	0	1,598
North Iowa Area	3	25	91	37	1,568	48	0	1,772
Iowa Lakes	2	8	14	12	1,308	23	0	1,367
Northwest	2	3	5	5	687	41	0	743
Iowa Central	6	56	111	46	2,107	149	0	2,475
Iowa Valley	22	30	49	46	1,319	63	0	1,529
Hawkeye	7	50	276	64	3,038	67	0	3,502
Eastern Iowa	21	44	152	118	2,568	185	0	3,088
Kirkwood	50	98	270	89	4,229	355	0	5,091
Des Moines Area	20	237	206	169	4,995	420	0	6,047
Western Iowa Tech*	0	0	0	0	0	0	0	0
Iowa Western	7	21	41	33	1,521	149	17	1,789
Southwestern	5	5	7	8	580	0	0	605
Indian Hills	6	17	25	23	1,477	25	0	1,573
Southeastern	5	14	38	22	1,231	61	0	1,371
Total	163	616	1,312	689	28,061	1,692	17	32,550

NOTE: *WITCC did not report online enrollment in FY 2007.

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-14: Online Credit Enrollment by College and Racial/Ethnic Background: 2008

College	American Indian	Asian	Black	Hispanic	White	Not Given	Unknown	Total
Northeast Iowa	2	10	19	21	1,553	109	0	1,714
North Iowa Area	6	14	104	47	1,747	77	0	1,995
Iowa Lakes	2	15	15	14	1,376	37	0	1,459
Northwest	3	11	7	13	747	54	0	835
Iowa Central	5	56	151	69	2,522	120	0	2,923
Iowa Valley	23	21	57	56	1,277	81	0	1,515
Hawkeye	6	20	84	22	1,681	20	0	1,833
Eastern Iowa	37	45	181	139	3,219	193	0	3,814
Kirkwood	36	99	270	84	4,099	363	0	4,951
Des Moines Area	25	286	296	199	5,766	318	0	6,890
Western Iowa Tech	25	45	44	75	2,182	358	0	2,729
Iowa Western	6	20	43	31	1,508	88	16	1,712
Southwestern	3	14	17	19	879	0	0	932
Indian Hills	16	14	28	34	1,831	15	0	1,938
Southeastern	4	14	44	36	1,366	70	2	1,536
Total	199	684	1,360	859	31,753	1,903	18	36,776

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-13: Online Credit Enrollment by College and Racial/Ethnic Background: 2009

College	American Indian	Asian	Black	Hispanic	White	Not Given	Unknown	Total
Northeast Iowa	2	13	33	22	1,981	114	0	2,165
North Iowa Area	4	26	118	58	1,926	148	0	2,280
Iowa Lakes	4	22	28	13	1,445	43	0	1,555
Northwest	2	16	6	14	789	40	0	867
Iowa Central	8	50	162	78	2,869	230	0	3,397
Iowa Valley	28	27	79	84	1,367	138	0	1,723
Hawkeye	10	28	118	31	1,935	23	0	2,145
Eastern Iowa	39	67	200	173	3,711	238	0	4,428
Kirkwood	36	112	387	96	4,458	617	0	5,706
Des Moines Area	35	341	330	187	6,287	811	0	7,991
Western Iowa Tech*	37	38	53	97	2,230	729	6	3,190
Iowa Western	6	32	70	45	1,860	65	26	2,104
Southwestern	7	12	28	20	1,013	8	0	1,088
Indian Hills	16	19	42	43	2,184	58	0	2,362
Southeastern	8	15	47	33	1,523	64	3	1,693
Total	242	818	1,701	994	35,578	3,326	35	42,694

NOTE: *WITCC did not report online enrollment in FY 2007.

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-15: Online Credit Enrollment by College and Residency Status: 2007

College	Iowa	Out-of-State	Inter-national	Unknown	Total	Percent Resident
Northeast Iowa	1,417	175	6	0	1,598	88.7%
North Iowa Area	1,614	142	16	0	1,772	91.1%
Iowa Lakes	1,164	201	2	0	1,367	85.1%
Northwest	678	65	0	0	743	91.3%
Iowa Central	2,096	352	28	0	2,476	84.7%
Iowa Valley	1,413	76	40	0	1,529	92.4%
Hawkeye	3,455	37	10	0	3,502	98.7%
Eastern Iowa	2,708	367	13	0	3,088	87.7%
Kirkwood	4,904	127	60	0	5,091	96.3%
Des Moines Area	5,797	134	121	0	6,052	95.8%
Western Iowa Tech*	0	0	0	0	0	0.0%
Iowa Western	1,395	376	18	0	1,789	78.0%
Southwestern	567	36	2	0	605	93.7%
Indian Hills	1,472	97	4	0	1,573	93.6%
Southeastern	1,132	234	5	0	1,371	82.6%
Total	29,812	2,419	325	0	32,556	91.6%

NOTE: *WITCC did not report online enrollment in FY 2007.

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 4-16: Online Credit Enrollment by College and Residency Status: 2008

College	Iowa	Out-of-State	Inter-national	Unknown	Total	Percent Resident
Northeast Iowa	1,493	214	7	0	1,714	87.1%
North Iowa Area	1,790	183	22	0	1,995	89.7%
Iowa Lakes	1,255	201	3	0	1,459	86.0%
Northwest	744	91	0	0	835	89.1%
Iowa Central	2,368	519	36	0	2,923	81.0%
Iowa Valley	1,387	88	40	0	1,515	91.6%
Hawkeye	1,801	24	8	0	1,833	98.3%
Eastern Iowa	3,305	491	18	0	3,814	86.7%
Kirkwood	4,808	107	36	0	4,951	97.1%
Des Moines Area	6,540	217	135	0	6,892	94.9%
Western Iowa Tech	2,318	411	0	0	2,729	84.9%
Iowa Western	1,346	356	10	0	1,712	78.6%
Southwestern	875	48	9	0	932	93.9%
Indian Hills	1,777	156	5	0	1,938	91.7%
Southeastern	1,265	267	4	0	1,536	82.4%
Total	33,072	3,373	333	0	36,778	89.9%

SOURCE: Iowa Department of Education, Bureau of Community College Services

Table 4-16: Online Credit Enrollment by College and Residency Status: 2009

College	Iowa	Non-Iowa	Foreign	Unknown	Total	Percent Resident
Northeast Iowa	1,899	261	5	0	2,165	87.7%
North Iowa Area	2,046	211	23	0	2,280	89.7%
Iowa Lakes	1,555	0	0	0	1,555	100.0%
Northwest	756	111	0	0	867	87.2%
Iowa Central	2,768	582	50	0	3,400	81.4%
Iowa Valley	1,552	100	69	2	1,723	90.1%
Hawkeye	2,102	32	11	0	2,145	98.0%
Eastern Iowa	3,818	585	24	1	4,428	86.2%
Kirkwood	5,482	158	66	0	5,706	96.1%
Des Moines Area	7,583	242	166	0	7,991	94.9%
Western Iowa Tech	2,694	496	0	0	3,190	84.5%
Iowa Western	1,612	461	31	0	2,104	76.6%
Southwestern	1,010	67	11	0	1,088	92.8%
Indian Hills	2,185	168	9	0	2,362	92.5%
Southeastern	1,392	299	2	0	1,693	82.2%
Total	38,454	3,773	467	3	42,697	90.1%

Source: Iowa Department of Education, Bureau of Community College Services.

5

JOINT ENROLLMENT AND DEMOGRAPHICS

Each year, tens of thousands of Iowa high school students enroll in community college credit coursework. The Department of Education refers to these students as “jointly enrolled.”

Joint enrollment of high school students accounts for a quarter of total community college credit enrollment and more than an eighth of total credit hours. Iowa is one of at least 38 states with state dual enrollment policies (Karp, Bailey, Hughes, and Fermin, 2004). In Iowa, high school students enroll in community college credit courses in a variety of ways including through Postsecondary Enrollment Options (PSEO) courses, college courses offered through a contract between a local school district and a community college, and enrollment in a college course independently as a tuition-paying student.

While sometimes referred to as “dual credit,” joint enrollment does not necessarily entail credit being issued at both the secondary and postsecondary levels. Some programs, such as PSEO and concurrent enrollment, require that credit be issued at each level, while other joint enrollment opportunities have no such requirement.

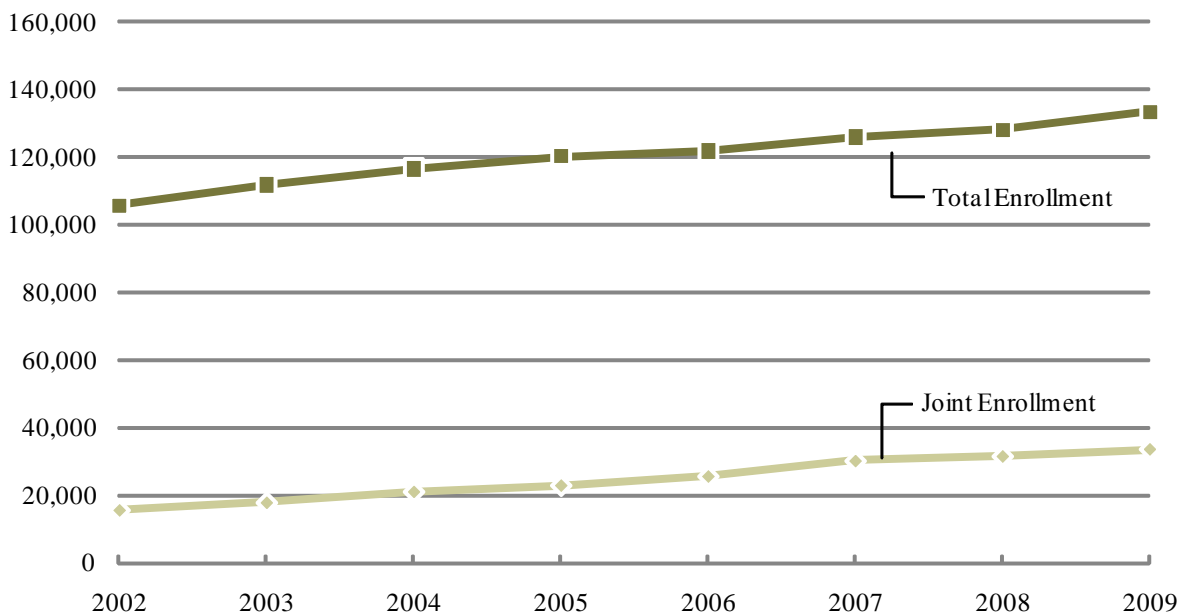
Most joint enrollment opportunities fall under the rubric of Senior Year Plus. The legislation passed in 2008 consolidated and standardized several existing programs

JOINT ENROLLMENT	
NUMBER OF STUDENTS:	GROWTH SINCE LAST YEAR:
33,537	↑ 6.6%
CREDIT HOURS:	CREDIT HOURS PER H.S. STUDENT:
260,629	7.8
<small>Up 9.8% since 2008.</small>	<small>Up 0.3% since 2008.</small>

involving college credit opportunities for high school students including PSEO, concurrent enrollment (which entails supplementary weighted funding for local school districts), career and regional academies, and advanced placement. The Community College MIS captures joint enrollment in three categories — PSEO, contracted courses (which may or may not be concurrent enrollment and generate supplementary weighting for the partnering local district), and tuition.

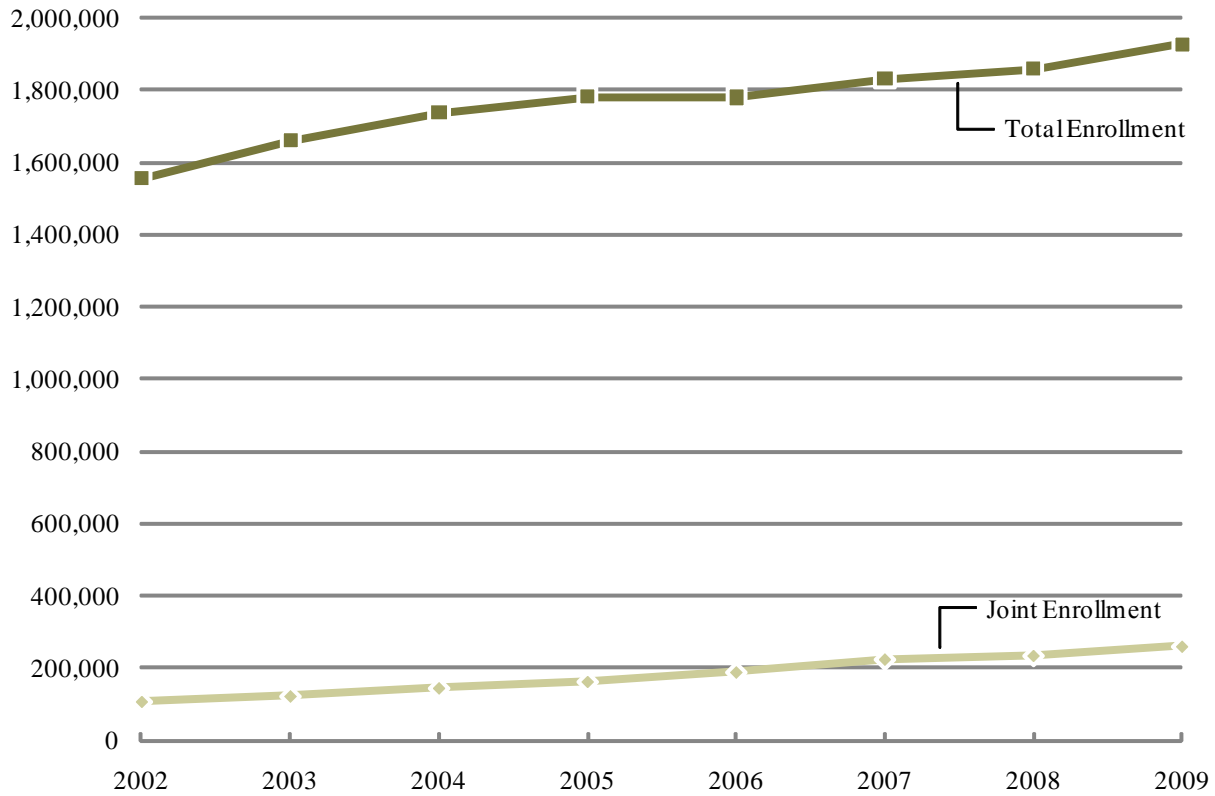
Joint enrollment in Iowa community colleges has steadily risen to a record high of 33,537 unduplicated students in fiscal year 2009 (Figure 5-1). Since fiscal year 2002, joint enrollment has increased 114.5 percent

Figure 5-1: Fiscal Year Joint Enrollment: 2002-2009



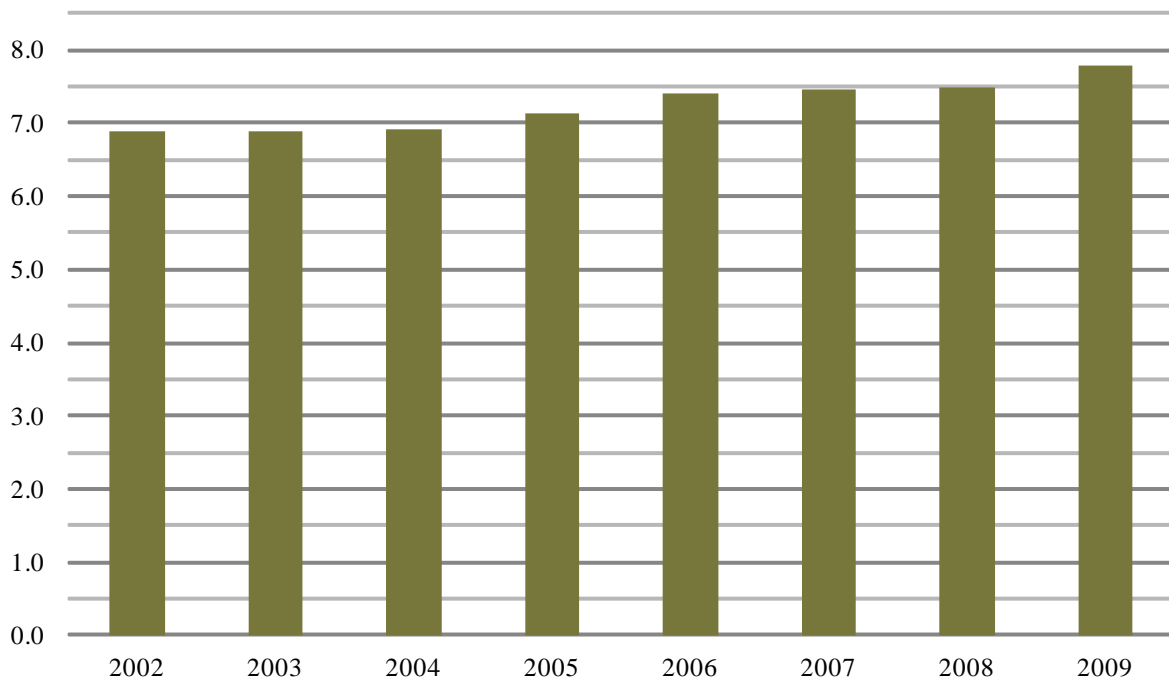
SOURCE: Iowa Department of Education, Bureau of Community Colleges, see Table 5-1.

Figure 5-2: Fiscal Year Joint Enrollment Credit Hours: 2002-2009



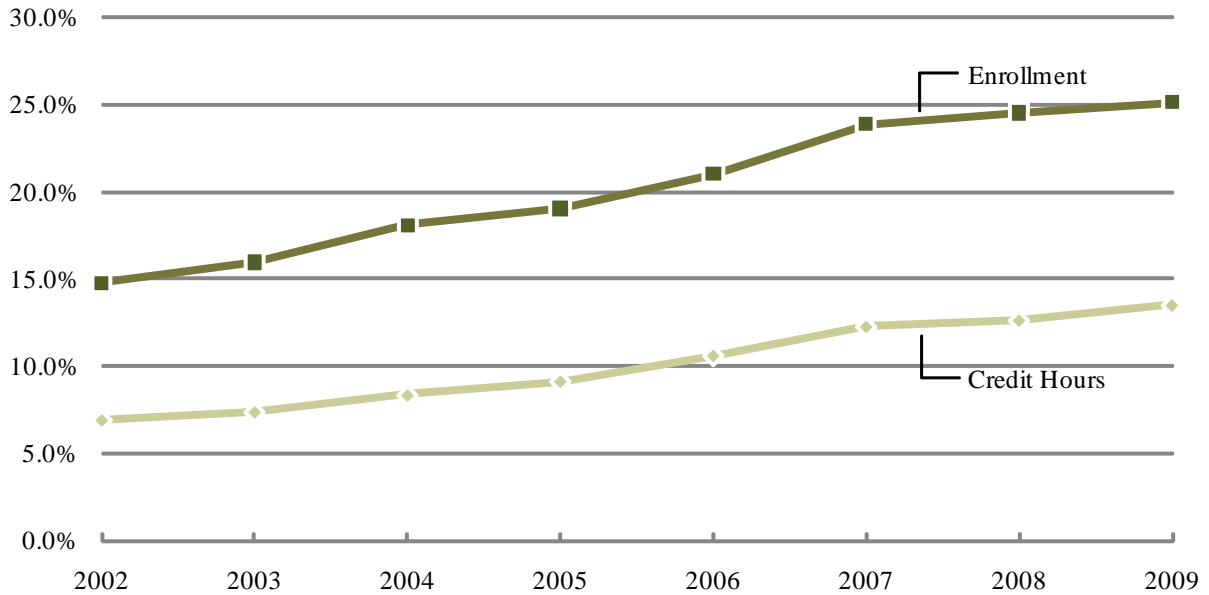
SOURCE: Iowa Department of Education, Bureau of Community Colleges, see Table 5-2.

Figure 5-3: Average Credit Hours per Jointly Enrolled Student: 2002-2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, see Table 5-3.

Figure 5-4: Joint Enrollment and Credit Hours as a Percentage of Total Credit Enrollment and Credit Hours: 2002-2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, see Table 5-4.

or about 10.0 percent per year. Fiscal year 2009 had slower growth than the eight year average (6.6 percent), but faster growth than fiscal year 2008 (4.5 percent).

While enrollment growth of jointly enrolled students has slowed, it has continued to outpace the rate of growth of total credit enrollment which increased 4.1 percent in fiscal year 2008 (Section 3). Enrollment of students not jointly-enrolled in high school increased 3.3 percent after declining in fiscal years 2006 and 2007 and increasing less than one percent in 2008.

The number of credit hours taken by each student increased slightly from fiscal year 2008 (Figure 5-2) with each jointly enrolled student enrolling in an average of 7.7 credit hours (Figure 5-3). The number of credit hours taken per jointly enrolled student has increased nearly one credit hour since fiscal year 2002. Special analysis in 2008 showed that jointly enrolled students take slightly less than three classes on average. Because high school students generally enroll part-time, they account for a smaller proportion of total credit hours than for total enrollment (Figure 5-4). In fiscal year 2009, joint enrollment accounted for 13.5 percent of total credit hours.

The rate at which high school students enroll in community college coursework varies by local school district and community college region (Figure 5-11).

Nationally, public two-year colleges offer college credit coursework to high school students at higher rates than other sectors of higher education (Kleiner and Lewis, 2005). In 2005, 98 percent of public two-year colleges nationwide had high school students jointly

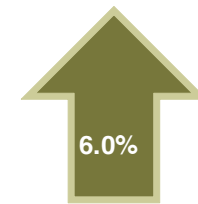
JOINT ENROLLMENT BY OFFERING ARRANGEMENT

28,434



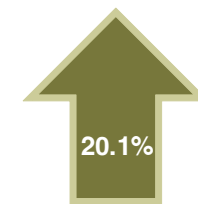
Contracted Courses

5,871



PSEO

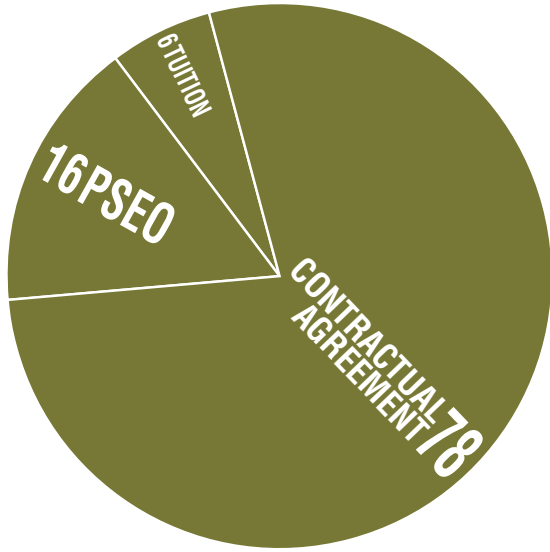
2,088



Tuition

Note: Joint Enrollment by Offering Arrangement does not total 33,537 because some students are enrolled in multiple categories.

Figure 5-5: Credit Joint Enrollment by Offering Arrangement Type: 2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, see Tables 5-5, 5-6, and 5-7.

enrolled in college credit coursework compared with 77 of public four-year institutions. In Iowa, delivery of programming to high school students is a part of the community colleges' mission (Iowa Code 260C.1) and, consequently, all 15 community colleges are committed to offering college credit opportunities to these students.

Joint Enrollment Offering Arrangements

Contracted courses had the largest enrollment of the three types of joint enrollment offering arrangements accounting for 78.1 percent of jointly enrolled students in fiscal year 2009 (Figure 5-5). Enrollment in contracted courses rose 5.9 percent from the previous year to 28,434 students. PSEO, which accounts for 16.1 percent of joint enrollment, had a 6.0 percent increase over fiscal year 2008. Enrollment of tuition paying students declined in fiscal year 2008, but increased 20.7 percent in fiscal year 2009.

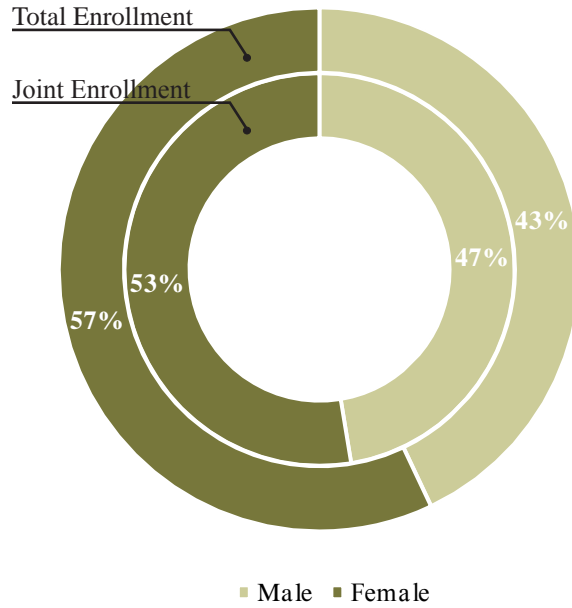
Jointly Enrolled Student Demographics

The typical jointly enrolled community college

IOWA'S TYPICAL JOINTLY ENROLLED STUDENT

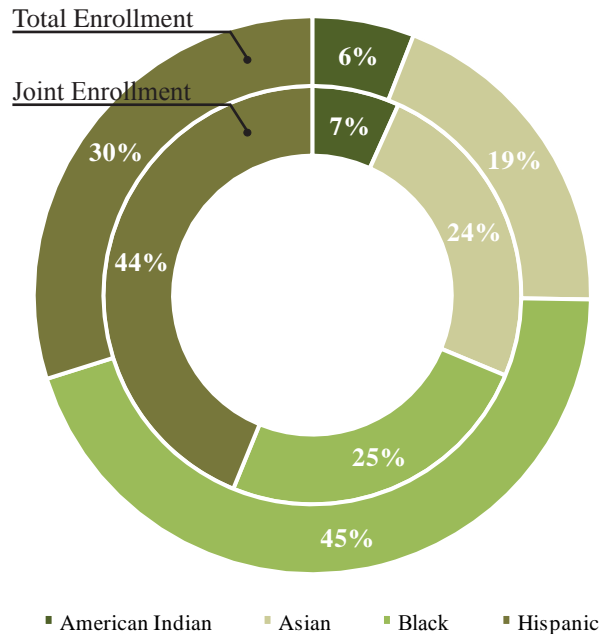


Figure 5-6: Jointly Enrolled Credit Student Gender: 2009



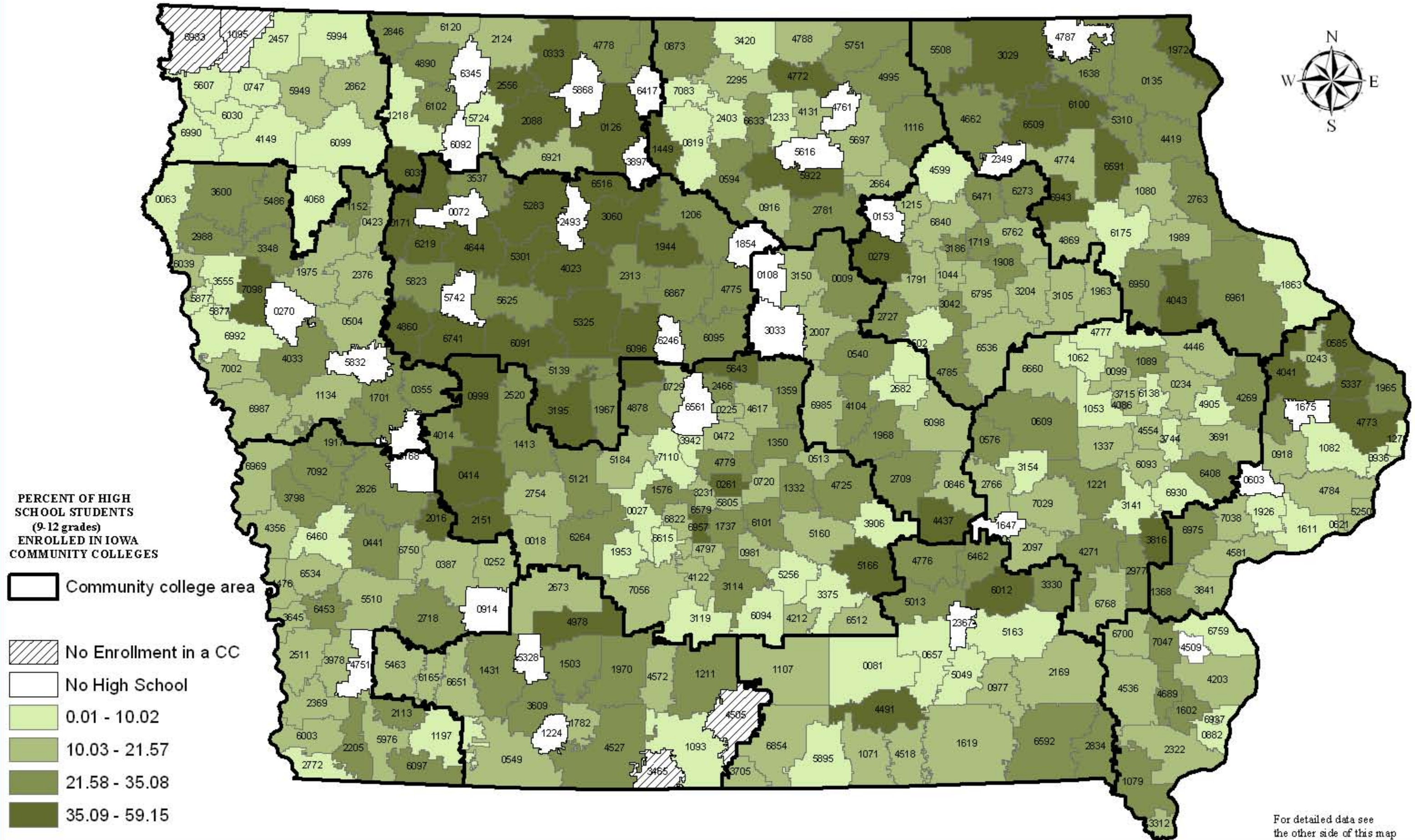
SOURCE: Iowa Department of Education, Bureau of Community Colleges, see Tables 5-8, 5-9.

Figure 5-7: Jointly Enrolled Credit Student Enrollment by Racial Minorities: 2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, see Tables 5-10, 5-11, 5-12, 5-13, and 5-14.

FIGURE 6-11: PERCENT OF HIGH SCHOOL STUDENTS (9-12 GRADES) ENROLLMENT IN IOWA COMMUNITY COLLEGES FY'2009



For detailed data see the other side of this map

District Number	District Name	Percent (Joint)	District Number	District Name	Percent (Joint)	District Number	District Name	Percent (Joint)	District Number	District Name	Percent (Joint)	District Number	District Name	Percent (Joint)	District Number	District Name	Percent (Joint)
0009	AGWSR	25.94	1197	CLARINDA	8.37	2466	GILBERT	24.37	4041	MAQUOKETA	37.84	5283	POCAHONTAS AREA	49.36	6592	VAN BUREN	24.80
0018	ADAIR-CASEY	14.02	1206	CLARION-GOLDFIELD	32.77	2502	GLADBROOK-REINBECK	5.49	4043	MAQUOKETA VALLEY	42.24	5301	POMEROY-PALMER	52.46	6615	VAN METER	5.47
0027	ADEL-DESOTO-MINBURN	7.68	1211	CLARKE	24.75	2511	GLENWOOD	19.68	4068	MARCUS-MERIDEN-CLEGHORN	8.16	5310	POSTVILLE	27.12	6633	VENTURA	26.03
0063	AKRON WESTFIELD	5.76	1215	CLARKSVILLE	19.09	2520	GLIDDEN-RALSTON	31.51	4086	MARION I	24.88	5325	PRAIRIE VALLEY	36.84	6651	VILLISCA	16.80
0081	ALBIA	8.92	1218	CLAY CENTRAL-EVERLY	9.42	2556	GRAETTINGER	36.84	4104	MARSHALLTOWN	24.75	5337	PRESTON	38.53	6660	VINTON-SHELLSBURG	20.10
0099	ALBURNETT	10.95	1221	CLEAR CREEK-AMANA	26.75	2664	GREENE	21.43	4122	MARTENSDALE-ST MARYS	18.62	5463	RED OAK	18.75	6700	WACO	11.05
0126	ALGONA	42.05	1233	CLEAR LAKE	6.56	2673	NODAWAY	14.29	4131	MASON CITY	14.46	5486	REMSEN-UNION	26.92	6741	WALL LAKE VIEW AUBURN	36.89
0135	ALLAMAKEE	31.62	1278	CLINTON	6.85	2682	GMG	6.55	4149	MOC-FLOYD VALLEY	7.87	5508	RICEVILLE	29.03	6750	WALNUT	10.77
0171	ALTA	45.35	1332	COLFAX-MINGO	29.35	2709	GRINNELL-NEWBURG	22.22	4203	MEDIAPOLIS	18.91	5510	RIVERSIDE	19.55	6759	WAPELLO	8.97
0225	AMES	16.09	1337	COLLEGE	20.06	2718	GRISWOLD	25.82	4212	MELCHER-DALLAS	15.32	5607	ROCK VALLEY	2.02	6762	WAPSIE VALLEY	18.59
0234	ANAMOSA	17.81	1350	COLLINS-MAXWELL	31.87	2727	GRUNDY CENTER	27.63	4269	MIDLAND	31.21	5625	ROCKWELL CITY-LYTTON	29.41	6768	WASHINGTON	18.38
0243	ANDREW	14.29	1359	COLO-NESCO	25.00	2754	GUTHRIE CENTER	12.92	4271	MID-PRAIRIE	23.59	5643	ROLAND-STORY	41.79	6795	WATERLOO	13.01
0252	ANITA	16.90	1368	COLUMBUS	32.06	2763	CLAYTON RIDGE	24.26	4356	MISSOURI VALLEY	17.39	5697	RK	20.92	6822	WAUKEE	21.28
0261	ANKENY	47.94	1413	COON RAPIDS-BAYARD	29.80	2766	H-L-V	13.64	4419	MFL MARMAC	25.70	5724	RUTHVEN-AYRSHIRE	8.86	6840	WAVERLY-SHELL ROCK	11.75
0279	APLINGTON-PARKERSBURG	43.43	1431	CORNING	28.80	2772	HAMBURG	9.20	4437	MONTEZUMA	38.60	5751	ST ANSGAR	24.55	6854	WAYNE	13.04
0333	ARMSTRONG-RINGSTED	44.66	1449	CORWITH-WESLEY	38.89	2781	HAMPTON-DUMONT	31.08	4446	MONTICELLO	11.98	5805	SAYDEL	18.06	6867	WEBSTER CITY	34.48
0355	AR-WE-VA	25.44	1476	COUNCIL BLUFFS	17.14	2826	HARLAN	24.29	4491	MORAVIA	42.72	5823	SCHALLER-CRESTLAND	31.86	6921	WEST BEND-MALLARD	17.83
0387	ATLANTIC	18.89	1503	CRESTON	23.50	2834	HARMONY	22.14	4518	MOULTON-UDELL	19.05	5877	SERGEANT BLUFF-LUTON	5.49	6930	WEST BRANCH	7.05
0414	AUDUBON	48.66	1576	DALLAS CENTER-GRIMES	26.04	2846	HARRIS-LAKE PARK	26.32	4527	MOUNT AYR	23.88	5895	SEYMOUR	8.75	6937	WEST BURLINGTON I	2.18
0423	AURELIA	20.69	1602	DANVILLE	22.87	2862	SANBORN	12.99	4536	MOUNT PLEASANT	11.08	5922	MERSERVY-THORTON	37.05	6943	WEST CENTRAL	51.26
0441	A-H-S-T	23.70	1611	DAVENPORT	7.98	2977	HIGHLAND	25.26	4554	MOUNT VERNON	14.45	5949	SHELDON COMM	12.80	6950	WEST DELAWARE COUNTY	35.08
0472	BALLARD	14.32	1619	DAVIS COUNTY	15.67	2988	HINTON	27.83	4572	MURRAY	20.45	5976	SHENANDOAH	11.91	6957	WEST DES MOINES	36.23
0504	BATTLE CREEK-IDA GROVE	13.20	1638	DECORAH	28.92	3029	HOWARD-WINNESHIEK	43.52	4581	MUSCATINE	20.81	5994	SIBLEY-OCHEYEDAN	8.08	6961	WESTERN DUBUQUE	27.32
0513	BAXTER	12.33	1701	DENISON	28.39	3042	HUDSON	29.90	4599	NASHUA-PLAINFIELD	8.00	6003	SIDNEY	15.97	6969	WEST HARRISON	18.97
0540	BCLUW	27.73	1719	DENVER	23.97	3060	HUMBOLDT	45.88	4617	NEVADA	10.42	6012	SIGOURNEY	45.23	6975	WEST LIBERTY	30.83
0549	BEDFORD	10.65	1737	DES MOINES INDEPENDENT	23.62	3105	INDEPENDENCE	21.34	4644	NEWELL-FONDA	46.67	6030	SIoux CENTER	0.68	6985	WEST MARSHALL	21.20
0576	BELLE PLAINE	24.38	1782	DIAGONAL	15.63	3114	INDIANOLA	30.97	4662	NEW HAMPTON	28.76	6035	SIoux CENTRAL	38.04	6987	WEST MONONA	11.59
0585	BELLEVUE	49.29	1791	DIKE-NEW HARTFORD	19.27	3119	INTERSTATE 35	2.34	4689	NEW LONDON	22.84	6039	SIoux CITY	15.29	6990	WEST SIOUX	3.21
0594	BELMOND-KLEMME	22.03	1863	DUBUQUE	8.37	3141	IOWA CITY	4.38	4725	NEWTON	29.60	6091	SOUTHERN CAL	43.48	6992	WESTWOOD	6.84
0609	BENTON	22.37	1908	DUNKERTON	25.71	3150	IOWA FALLS	17.44	4772	NORTH CENTRAL	41.53	6093	SOLOMON	11.64	7002	WHITING	14.29
0621	BETTENDORF	11.61	1917	BOYER VALLEY	30.67	3154	IOWA VALLEY	9.69	4773	NORTHEAST	43.06	6094	SOUTHEAST WARREN	7.19	7029	WILLIAMSBURG	15.91
0657	EDDYVILLE-BLAKESBURG	6.84	1926	DURANT	8.65	3186	JANESVILLE CO	31.11	4774	NORTH FAYETTE	20.44	6095	SOUTH HAMILTON	35.04	7038	WILTON	17.50
0720	BONDURANT-FARRAR	18.35	1944	EAGLE GROVE	39.53	3195	JEFFERSON-SCRANTON	42.71	4775	NORTHEAST HAMILTON	32.56	6096	GRAND	43.72	7047	WINFIELD-MT UNION	32.41
0729	BOONE	20.66	1953	EARLHAM	6.80	3204	JESUP	20.00	4776	NORTH MAHASKA	27.11	6097	SOUTH PAGE	25.00	7056	WINTERSSET	21.02
0747	BOYDEN-HULL	2.67	1963	EAST BUCHANAN	14.97	3231	JOHNSTON	20.74	4777	NORTH LINN	4.60	6098	SOUTH TAMA COUNTY	13.48	7083	WODEN-CRYSTAL LAKE	6.48
0819	WEST HANCOCK	6.03	1965	EAST CENTRAL	29.27	3312	KEOKUK	15.70	4778	NORTH KOSSUTH	23.02	6099	SOUTH O'BRIEN	2.24	7092	WOODBINE	24.84
0846	MALCOM	17.37	1967	EAST GREENE	30.00	3330	KEOTA	24.17	4779	NORTH POLK	22.84	6100	SOUTH WINNESHIEK	45.00	7098	WOODBURY CENTRAL	58.01
0873	NORTH IOWA	30.86	1968	EAST MARSHALL	25.69	3348	KINGSLEY-PIERSON	28.38	4784	NORTH SCOTT	15.48	6101	SOUTHEAST POLK	32.57	7110	WOODWARD-GRANGER	10.02
0882	BURLINGTON	4.48	1970	EAST UNION	22.15	3375	KNOXVILLE	9.32	4785	NORTH TAMA COUNTY	22.22	6102	SPENCER	27.45			
0916	CAL	16.16	1972	EASTERN ALLAMAKEE	43.23	3420	LAKE MILLS	5.43	4788	NORTHWOOD-KENSETT	14.97	6120	SPIRIT LAKE	15.98			
0918	CALAMUS-WHEATLAND	19.63	1975	RIVER VALLEY	16.77	3537	LAURENS-MARATHON	26.62	4797	NORWALK	15.80	6138	SPRINGVILLE	8.39			
0936	CAMANICHE	9.09	1989	EDGEWOOD-COLESBURG	14.49	3555	LAWTON-BRONSON	8.22	4860	ODEBOLT-ARTHUR	46.73	6165	STANTON	16.00			
0977	CARDINAL	14.02	2007	ELDORA-NEW PROVIDENCE	14.14	3600	LE MARS	29.66	4869	OELWEIN	16.30	6175	STARMONT	2.62			
0981	CARLISLE	19.48	2016	ELK HORN-KIMBALLTON	39.80	3609	LENOX	25.00	4878	OGDEN	28.30	6219	STORM LAKE	38.32			
0999	CARROLL	43.94	2088	EMMETSBURG	36.23	3645	LEWIS CENTRAL	17.95	4890	OKOBOJI	28.81	6264	WEST CENTRAL VALLEY	32.93			
1044	CEDAR FALLS	20.87	2097	ENGLISH VALLEYS	20.35	3691	NORTH CEDAR	15.79	4905	OLIN CO	7.25	6273	SUMNER	24.73			
1053	CEDAR RAPIDS	6.32	2113	ESSEX	26.92	3705	LINEVILLE-CLIO	20.00	4978	ORIENT-MACKSBURG	36.36	6408	TIPTON	32.87			
1062	CENTER POINT-URBANA	7.00	2124	ESTHERVILLE LINCOLN C	14.86	3715	LINN-MAR	17.07	4995	OSAGE	32.95	6453	TREYNOR	31.44			
1071	CENTERVILLE	11.54	2151	EXIRA	46.07	3744	LISBON	2.35	5013	OSKALOOSA	23.39	6460	TRI-CENTER	8.20			
1079	CENTRAL LEE	23.85	2169	FAIRFIELD	18.89	3798	LOGAN-MAGNOLIA	24.79	5049	OTTUMWA	8.05	6462	TRI-COUNTY	34.86			
1080	CENTRAL	13.64	2205	FARRAGUT	28.57	3816	LONE TREE	38.64	5121	PANORAMA	24.72	6471	TRIPOLI	23.42			
1082	CENTRAL CLINTON	5.37	2295	FOREST CITY	18.76	3841	LOUISA-MUSCATINE	21.14	5139	PATON-CHURDAN	33.33	6509	TURKEY VALLEY	37.33			
1089	CENTRAL CITY	30.08	2313	FORT DODGE	27.93	3906	LYNNVILLE-SULLY	6.70	5160	PCM	11.57	6512	TWIN CEDARS	13.41			
1093	CENTRAL DECATUR	9.46	2322	FORT MADISON	16.10	3942	MADRID	4.88	5163	PEKIN	9.89	6516	TWIN RIVERS	39.53			
1107	CHARITON	15.59	2369	FREMONT-MILLS	16.17	3978	MALVERN	14.81	5166	PELLA	59.15	6534	UNDERWOOD	14.91			
1116	CHARLES CITY	26.87	2376	GALVA-HOLSTEIN	21.57	4014	MANNING	30.07	5184	PERRY	17.14	6536	UNION	15.78			
1134	CHARTER OAK-UTE	18.69	2403	GARNER-HAYFIELD	9.69	4023	WEBSTER	43.33	5250	PLEASANT VALLEY	10.73	6579	URBANDALE	30.70			
1152	CHEROKEE	28.89	2457	GEORGE-LITTLE ROCK	8.33	4033	MAPLE VALLEY	24.20	5256	PLEASANTVILLE	8.20	6591	VALLEY	38.51			

NOTE: Unduplicated count.
Data excludes 4681 (approx. 14%) jointly enrolled secondary students with missing district number.
SOURCE: Project Easier and CC MIS.

RACIAL/ETHNIC MINORITY BACKGROUND



student, as with prior years, is female, 18 years old, and white. Compared with the overall student body, jointly enrolled students are proportionally more white and male. In fiscal year 2009, approximately 52.7 percent of joint enrollees were female compared with 56.5 percent of the overall student body (Figure 5-6). The phenomenon of proportionally greater male enrollment is driven by contracted course enrollment which was 50.0 percent male in fiscal year 2009. In terms of gender, contracted course enrollment more closely mirrors high school enrollment than community college enrollment. In contrast, PSEO and tuition enrollment were 63.8 percent and 61.7 percent female respectively.

The racial/ethnic background of joint enrollees is less diverse than either total community college enrollment or public K-12 enrollment. In fiscal year 2008, approximately eight percent of joint enrollees were reported as having a minority racial/ethnic background. Contracted course enrollment had the largest proportion of minority students (9.3 percent) followed by tuition (5.7 percent) and PSEO (3.9 percent). Hispanics were

the largest minority group with 43.8 percent of minority joint enrollment followed by asian and black students with 24.9 percent and 24.5 percent respectively (Figure 5-7). In contrast, 10.6 percent of the overall community college student body was reported to have a minority racial/ethnic background, 44.9 percent of which were black and 29.8 percent of which were Hispanic.

As expected, jointly enrolled students were younger than the overall community college student body, but very few were younger than age 17 (about seven percent). More than 91 percent of jointly enrolled students were age 17, 18, or 19 (Figure 5-8).

Jointly enrolled students were also almost exclusively residents of Iowa (Table 5-15). In fiscal year 2008, 99.7 percent of jointly enrolled students were from Iowa (71 out-of-state students were jointly enrolled).

Grade Level of Jointly Enrolled Students

Jointly enrolled students tend to be high school upperclassmen and, in particular, seniors. More than 91 percent of jointly enrolled students were in their last two years of high school. As with last year, seniors accounted for 58 percent of jointly enrolled students while a third were juniors. Data on student grade level is derived through a match between the state's K-12 data repository and the Community College MIS.

Figure 5-8: Jointly Enrolled Credit Student Age: 2009

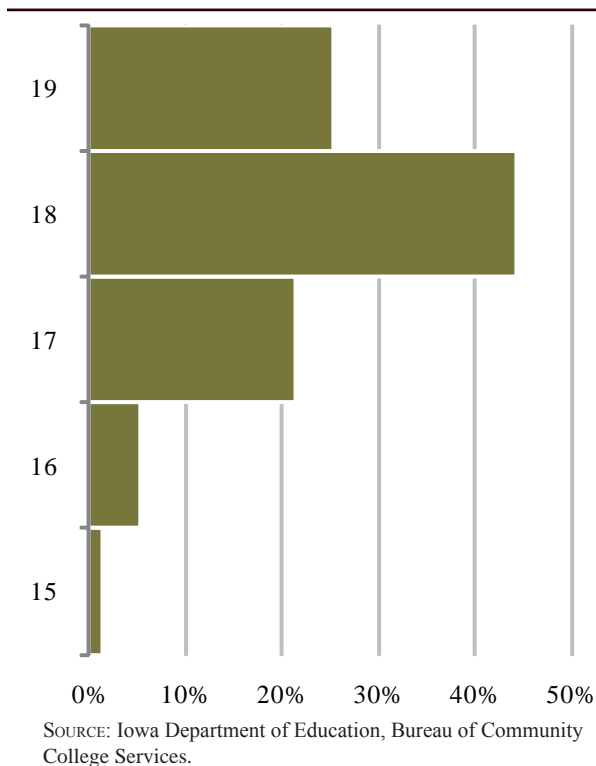


Figure 5-8: Jointly Enrolled Credit Student Grade Level: 2009

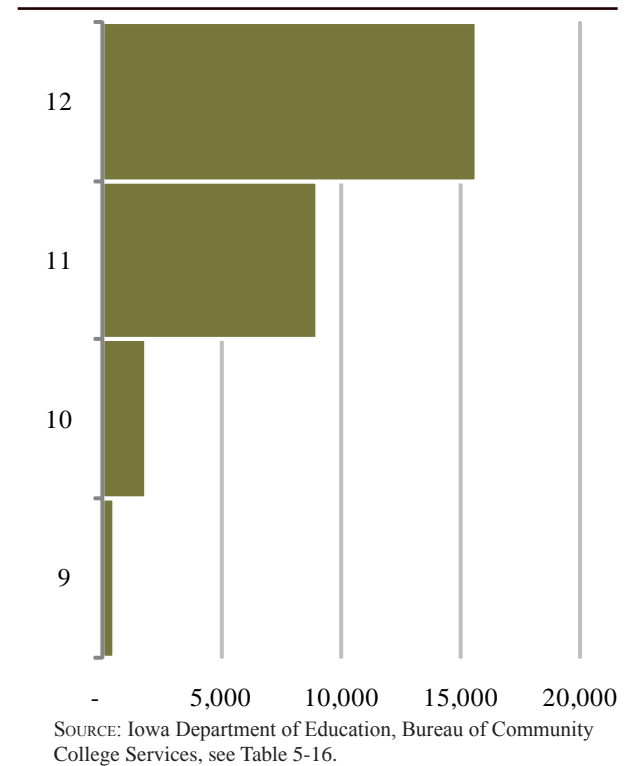


Table 5-1: Credit Joint Enrollment: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	1,905	2,230	2,530	2,409	2,869	8.5%
North Iowa Area	945	944	1,064	1,262	1,363	7.6%
Iowa Lakes	1,215	1,279	970	1,582	1,427	3.3%
Northwest	459	574	723	608	489	1.3%
Iowa Central	2,606	2,707	3,285	3,026	2,921	2.3%
Iowa Valley	750	782	1,103	1,033	1,124	8.4%
Hawkeye	802	1,019	1,566	1,598	1,782	17.3%
Eastern Iowa	1,434	810	2,657	2,081	2,507	11.8%
Kirkwood	1,601	1,766	2,490	2,527	3,412	16.3%
Des Moines Area	6,071	7,736	9,165	9,249	9,376	9.1%
Western Iowa Tech	2,025	2,135	2,350	1,882	1,808	-2.2%
Iowa Western	1,416	1,598	2,014	1,733	1,805	5.0%
Southwestern	448	493	647	632	646	7.6%
Indian Hills	616	691	960	1,061	1,130	12.9%
Southeastern	612	814	748	767	878	7.5%
Total	22,905	25,578	32,272	31,450	33,537	7.9%

NOTE: Each bar "I" denotes 200 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 5-2: Credit Hours Taken by Jointly Enrolled Students: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	12,665	15,173	15,906	18,414	31,954	20.3%
North Iowa Area	6,754	7,551	7,984	9,194	10,674	9.6%
Iowa Lakes	7,985	8,853	8,687	12,970	11,638	7.8%
Northwest	3,191	4,797	5,498	5,141	4,795	8.5%
Iowa Central	20,796	23,221	24,078	26,291	24,796	3.6%
Iowa Valley	6,161	6,252	8,164	7,854	8,661	7.0%
Hawkeye	4,982	6,247	8,168	9,958	10,808	16.8%
Eastern Iowa	8,599	4,438	18,230	11,757	14,894	11.6%
Kirkwood	10,339	13,422	15,660	14,276	17,906	11.6%
Des Moines Area	43,322	55,235	63,349	73,072	75,914	11.9%
Western Iowa Tech	13,261	14,386	16,240	12,766	11,546	-2.7%
Iowa Western	13,164	15,052	18,330	15,647	17,645	6.0%
Southwestern	4,057	4,735	4,788	5,244	5,404	5.9%
Indian Hills	4,079	4,514	5,568	7,727	8,445	15.7%
Southeastern	3,700	5,440	4,337	4,843	5,551	8.5%
Total	163,052	189,313	224,985	235,152		9.8%

NOTE: Each bar "I" denotes 1,500 credit hours.

SOURCE: Iowa Department of Education; Bureau of Community Colleges, Community College MIS.

Table 5-3: Average Credit Hours Per Jointly Enrolled Student: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	6.6	6.8	6.3	7.6	11.1	10.9%
North Iowa Area	7.1	8.0	7.5	7.3	7.8	1.8%
Iowa Lakes	6.6	6.9	9.0	8.2	8.2	4.4%
Northwest	7.0	8.4	7.6	8.5	9.8	7.1%
Iowa Central	8.0	8.6	7.3	8.7	8.5	1.2%
Iowa Valley	8.2	8.0	7.4	7.6	7.7	-1.3%
Hawkeye	6.2	6.1	5.2	6.2	6.1	-0.5%
Eastern Iowa	6.0	5.5	6.9	5.6	5.9	-0.2%
Kirkwood	6.5	7.6	6.3	5.6	5.2	-4.1%
Des Moines Area	7.1	7.1	6.9	7.9	8.1	2.6%
Western Iowa Tech	6.5	6.7	6.9	6.8	6.4	-0.5%
Iowa Western	9.3	9.4	9.1	9.0	9.8	1.0%
Southwestern	9.1	9.6	7.4	8.3	8.4	-1.6%
Indian Hills	6.6	6.5	5.8	7.3	7.5	2.5%
Southeastern	6.0	6.7	5.8	6.3	6.3	0.9%
Total	7.1	7.4	7.0	7.5	7.5	1.0%

NOTE: Each bar "I" denotes 0.5 credit hours.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-4: Joint Enrollment and Credit Hours as a Percentage of Total Enrollment and Credit hours: 2005-2009

College	2005		2006		2007		2008		2009	
	Students	Credit Hours	Students	Credit Hours	Students	Credit Hours	Students	Credit Hours	Students	Credit Hours
Northeast Iowa	27.4%	12.1%	31.7%	15.8%	37.5%	17.3%	35.3%	18.9%	40.7%	14.8%
North Iowa Area	22.1%	10.0%	21.6%	11.4%	23.8%	12.1%	26.7%	13.5%	27.5%	10.1%
Iowa Lakes	26.9%	11.2%	28.1%	12.6%	21.2%	12.1%	35.9%	18.7%	33.0%	12.3%
Northwest	27.6%	12.9%	32.5%	18.0%	36.1%	19.3%	28.7%	17.3%	23.2%	16.2%
Iowa Central	37.6%	20.3%	39.1%	22.4%	44.1%	22.2%	38.2%	22.4%	35.8%	18.9%
Iowa Valley	18.4%	9.2%	20.2%	10.1%	27.4%	13.1%	26.0%	12.7%	26.9%	9.4%
Hawkeye	10.3%	4.1%	13.0%	5.2%	18.7%	6.4%	19.1%	7.9%	20.5%	4.9%
Eastern Iowa	12.8%	5.6%	7.1%	2.8%	23.9%	12.2%	18.5%	7.9%	21.6%	2.9%
Kirkwood	7.5%	3.0%	8.6%	4.0%	11.5%	4.5%	11.8%	4.2%	15.1%	3.9%
Des Moines Area	24.5%	14.0%	28.9%	17.0%	32.7%	18.4%	31.3%	19.7%	30.3%	14.0%
Western Iowa Tech	25.2%	12.5%	27.4%	14.0%	30.7%	16.0%	24.9%	12.8%	23.7%	14.8%
Iowa Western	22.7%	12.7%	24.2%	13.7%	29.2%	16.0%	25.3%	13.7%	24.7%	12.3%
Southwestern	25.9%	13.8%	27.2%	16.0%	34.6%	14.8%	31.7%	16.3%	31.7%	14.7%
Indian Hills	10.0%	4.0%	11.4%	4.5%	14.9%	5.2%	16.2%	7.0%	16.1%	4.0%
Southeastern	13.7%	4.9%	17.9%	7.2%	16.2%	5.9%	16.9%	6.5%	18.3%	7.2%
Total	19.1%	9.1%	21.0%	10.6%	25.6%	12.3%	24.5%	12.6%	25.1%	9.8%

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-5: Joint Enrollment by Offering Arrangement: 2008

College	PSEO		Contracted		Tuition		Total Joint Enrollment		Unduplicated Joint Enrollment
	Students	Credit Hours	Students	Credit Hours	Students	Credit Hours	Students	Credit Hours	
Northeast Iowa	413	2,471	2,126	14,585	151	1,358	2,690	18,414	2,409
North Iowa Area	160	1,043	964	6,787	138	1,364	1,262	9,194	1,262
Iowa Lakes	630	3,653	1,140	8,649	127	668	1,897	12,970	1,582
Northwest	96	475	530	4,459	40	207	666	5,141	608
Iowa Central	755	3,483	2,648	22,808	0	0	3,403	26,291	3,026
Iowa Valley	293	1,482	860	6,373	0	0	1,153	7,854	1,033
Hawkeye	318	2,032	1,366	7,132	149	794	1,833	9,958	1,598
Eastern Iowa	497	2,424	1,567	7,392	286	1,942	2,350	11,757	2,081
Kirkwood	733	3,508	1,834	9,647	246	1,122	2,813	14,276	2,527
Des Moines Area	559	2,632	8,646	66,094	691	4,346	9,896	73,072	9,249
Western Iowa Tech	155	1,046	1,727	11,720	0	0	1,882	12,766	1,882
Iowa Western	184	1,053	1,629	14,493	24	101	1,837	15,647	1,733
Southwestern	334	1,766	398	3,396	20	82	752	5,244	632
Indian Hills	250	1,211	761	5,718	158	799	1,169	7,727	1,061
Southeastern	162	659	655	3,893	58	291	875	4,843	767
Total	5,539	28,937	26,851	193,144	2,088	13,072	34,478	235,152	31,450

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-6: Joint Enrollment by Offering Arrangement: 2009

College	PSEO		Contracted		Tuition		Total Joint Enrollment		Unduplicated Joint Enrollment
	Students	Credit Hours	Students	Credit Hours	Students	Credit Hours	Students	Credit Hours	
Northeast Iowa	423	2,077	2,097	15,529	649	14,349	3,169	31,954	2,869
North Iowa Area	247	2,015	1,058	7,988	109	671	1,414	10,674	1,363
Iowa Lakes	472	2,664	1,042	7,615	261	1,359	1,775	11,638	1,427
Northwest	86	376	464	4,235	31	184	581	4,795	489
Iowa Central	762	3,478	2,541	21,318	0	0	3,303	24,796	2,921
Iowa Valley	299	1,637	946	7,024	0	0	1,245	8,661	1,124
Hawkeye	357	2,107	1,550	8,045	136	656	2,043	10,808	1,782
Eastern Iowa	514	2,746	1,996	10,031	365	2,117	2,875	14,894	2,507
Kirkwood	776	3,716	2,710	13,287	189	904	3,675	17,906	3,412
Des Moines Area	697	3,667	8,738	68,949	577	3,298	10,012	75,914	9,376
Western Iowa Tech	188	11,546	1,620	10,463	0	0	1,808	11,546	1,808
Iowa Western	167	1,014	1,718	16,550	20	82	1,905	17,645	1,805
Southwestern	403	2,248	363	3,065	22	91	788	5,404	646
Indian Hills	244	1,339	887	6,650	79	457	1,210	8,445	1,130
Southeastern	236	1,201	704	3,838	84	512	1,024	5,551	878
Total	5,871	41,829	28,434	204,584	2,437	24,679	36,827	260,629	33,537

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-7: Joint Enrollment and Credit Hours by Offering Arrangement as a Percentage of Total Joint Enrollment: 2009

College	Percentage of Total Joint Enrollment			Percentage of Total Joint Enrollment Credit Hours		
	PSEO	Contracted	Tuition	PSEO	Contracted	Tuition
Northeast Iowa	13.3%	66.2%	20.5%	6.5%	48.6%	44.9%
North Iowa Area	17.5%	74.8%	7.7%	18.9%	74.8%	6.3%
Iowa Lakes	26.6%	58.7%	14.7%	22.9%	65.4%	11.7%
Northwest	14.8%	79.9%	5.3%	7.8%	88.3%	3.8%
Iowa Central	23.1%	76.9%	0.0%	14.0%	86.0%	0.0%
Iowa Valley	24.0%	76.0%	0.0%	18.9%	81.1%	0.0%
Hawkeye	17.5%	75.9%	6.7%	19.5%	74.4%	6.1%
Eastern Iowa	17.9%	69.4%	12.7%	18.4%	67.3%	14.2%
Kirkwood	21.1%	73.7%	5.1%	20.8%	74.2%	5.0%
Des Moines Area	7.0%	87.3%	5.8%	4.8%	90.8%	4.3%
Western Iowa Tech	10.4%	89.6%	0.0%	52.5%	47.5%	0.0%
Iowa Western	8.8%	90.2%	1.0%	5.7%	93.8%	0.5%
Southwestern	51.1%	46.1%	2.8%	41.6%	56.7%	1.7%
Indian Hills	20.2%	73.3%	6.5%	15.8%	78.7%	5.4%
Southeastern	23.0%	68.8%	8.2%	21.6%	69.1%	9.2%
Total	15.9%	77.2%	6.8%	15.4%	75.5%	9.1%

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-8: Credit Joint Enrollment by Gender by Offering Arrangement: 2009

College	PSEO				Contracted				Tuition			
	Male		Female		Male		Female		Male		Female	
Northeast Iowa	170	40.2%	253	59.8%	981	46.8%	1,116	53.2%	293	45.1%	356	54.9%
North Iowa Area	98	39.7%	149	60.3%	536	50.7%	522	49.3%	55	50.5%	54	49.5%
Iowa Lakes	142	30.7%	321	69.3%	474	46.3%	549	53.7%	90	34.7%	169	65.3%
Northwest	30	34.9%	56	65.1%	242	52.2%	222	47.8%	14	45.2%	17	54.8%
Iowa Central	288	37.8%	474	62.2%	1,335	52.6%	1,205	47.4%	0	0.0%	0	0.0%
Iowa Valley	101	33.8%	198	66.2%	387	40.9%	559	59.1%	0	0.0%	0	0.0%
Hawkeye	129	36.1%	228	63.9%	755	48.7%	794	51.3%	40	29.4%	96	70.6%
Eastern Iowa	161	31.3%	353	68.7%	1,096	54.9%	900	45.1%	119	32.6%	246	67.4%
Kirkwood	273	35.2%	503	64.8%	1,584	58.7%	1,116	41.3%	69	36.5%	120	63.5%
Des Moines Area	266	38.2%	431	61.8%	4,277	48.9%	4,461	51.1%	213	36.9%	364	63.1%
Western Iowa Tech	77	43.3%	101	56.7%	953	60.5%	621	39.5%	0	0.0%	0	0.0%
Iowa Western	71	42.5%	96	57.5%	779	45.3%	939	54.7%	9	45.0%	11	55.0%
Southwestern	141	35.0%	262	65.0%	173	47.7%	190	52.3%	7	31.8%	15	68.2%
Indian Hills	75	32.5%	156	67.5%	341	39.5%	523	60.5%	24	32.0%	51	68.0%
Southeastern	73	30.9%	163	69.1%	302	43.0%	401	57.0%	28	33.3%	56	66.7%
Total	2,095	35.9%	3,744	64.1%	14,215	50.2%	14,118	49.8%	961	38.2%	1,555	61.8%

NOTE: In Fiscal Year 2009, there were 32 students with unknown gender (not included in this table).

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-9: Credit Joint Enrollment by Gender: 2005-2009

College	2005*		2006**		2007***		2008****		2009*****	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast Iowa	851 44.7%	1,054 55.3%	1,002 44.9%	1,228 55.1%	1,103 47.6%	1,214 52.4%	1,123 46.6%	1,286 53.4%	1,444 45.6%	1,725 54.4%
North Iowa Area	453 47.9%	492 52.1%	430 45.6%	514 54.4%	455 43.2%	599 56.8%	545 43.2%	717 56.8%	689 48.7%	725 51.3%
Iowa Lakes	580 47.7%	635 52.3%	581 45.4%	698 54.6%	736 49.1%	763 50.9%	719 46.1%	842 53.9%	706 40.5%	1,039 59.5%
Northwest	201 43.8%	258 56.2%	252 43.9%	322 56.1%	327 45.6%	390 54.4%	278 45.8%	329 54.2%	286 49.2%	295 50.8%
Iowa Central	1,376 52.8%	1,230 47.2%	1,420 52.5%	1,287 47.5%	948 55.5%	760 44.5%	1,547 51.1%	1,479 48.9%	1,623 49.2%	1,679 50.8%
Iowa Valley	300 40.0%	450 60.0%	301 38.5%	481 61.5%	458 43.0%	606 57.0%	422 41.2%	602 58.8%	488 39.2%	757 60.8%
Hawkeye	308 38.4%	494 61.6%	448 44.0%	571 56.0%	617 42.9%	821 57.1%	697 43.6%	901 56.4%	924 45.2%	1,118 54.8%
Eastern Iowa	682 47.6%	752 52.4%	421 53.5%	366 46.5%	443 52.9%	394 47.1%	986 47.4%	1,095 52.6%	1,376 47.9%	1,499 52.1%
Kirkwood	769 48.0%	832 52.0%	936 53.0%	830 47.0%	971 52.0%	897 48.0%	1,209 47.8%	1,318 52.2%	1,926 52.6%	1,739 47.4%
Des Moines Area	2,981 49.1%	3,090 50.9%	3,675 47.5%	4,061 52.5%	2,222 49.3%	2,284 50.7%	4,509 48.8%	4,740 51.2%	4,756 47.5%	5,256 52.5%
Western Iowa Tech	1,198 59.2%	827 40.8%	1,247 58.4%	888 41.6%	1,673 53.2%	1,473 46.8%	1,062 56.4%	820 43.6%	1,030 58.8%	722 41.2%
Iowa Western	713 50.4%	703 49.6%	747 46.7%	851 53.3%	888 47.5%	983 52.5%	830 47.9%	903 52.1%	859 45.1%	1,046 54.9%
Southwestern	235 52.5%	213 47.5%	291 59.0%	202 41.0%	258 48.1%	278 51.9%	288 45.6%	344 54.4%	321 40.7%	467 59.3%
Indian Hills	222 36.3%	390 63.7%	223 32.7%	458 67.3%	213 32.4%	444 67.6%	356 34.1%	687 65.9%	440 37.6%	730 62.4%
Southeastern	266 43.5%	346 56.5%	363 45.0%	444 55.0%	145 45.3%	175 54.7%	319 41.7%	446 58.3%	403 39.4%	620 60.6%
Total	11,135 48.6%	11,766 51.4%	12,337 48.3%	13,201 51.7%	11,457 48.7%	12,081 51.3%	14,890 47.4%	16,509 52.6%	17,271 47.1%	19,417 52.9%

*In Fiscal Year 2005, there were 4 students with unknown gender (not included in this table).

**In Fiscal Year 2006, there were 40 students with unknown gender (not included in this table).

***In Fiscal Year 2007, there were 84 students with unknown gender (not included in this table).

****In Fiscal Year 2008, there were 51 students with unknown gender (not included in this table).

*****In Fiscal Year 2009, there were 32 students with unknown gender (not included in this table).

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIs.

Table 5-10: Credit Joint Enrollment by Racial/Ethnic Background: 2005

College	American Indian	Asian	Black	Hispanic	White	Unknown	Total
Northeast Iowa	2	3	1	2	357	1,540	1,905
North Iowa Area	4	16	10	19	895	1	945
Iowa Lakes	1	10	1	10	1,187	6	1,215
Northwest	0	2	0	2	439	16	459
Iowa Central	10	64	12	118	2,249	153	2,606
Iowa Valley	2	12	4	25	671	36	750
Hawkeye	1	15	27	11	717	31	802
Eastern Iowa	9	15	25	51	1,144	190	1,434
Kirkwood	14	20	17	29	1,269	252	1,601
Des Moines Area	22	198	182	173	4,819	677	6,071
Western Iowa Tech	15	58	22	103	1,509	318	2,025
Iowa Western	6	12	7	16	1,160	215	1,416
Southwestern	0	1	0	4	442	1	448
Indian Hills	6	8	2	4	591	5	616
Southeastern	1	10	8	7	542	44	612
Total	93	444	318	574	17,991	3,485	22,905
% of Total	0.4%	1.9%	1.4%	2.5%	78.5%	15.2%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-11: Credit Joint Enrollment by Racial/Ethnic Background: 2006

College	American Indian	Asian	Black	Hispanic	White	Unknown	Total
Northeast Iowa	3	12	10	9	1,869	327	2,230
North Iowa Area	3	12	2	18	903	6	944
Iowa Lakes	5	12	4	11	1,218	29	1,279
Northwest	0	0	0	8	538	28	574
Iowa Central	6	74	19	184	2,245	179	2,707
Iowa Valley	3	11	1	28	711	28	782
Hawkeye	2	13	29	16	943	16	1,019
Eastern Iowa	12	9	7	32	685	65	810
Kirkwood	6	29	20	34	1,518	159	1,766
Des Moines Area	13	192	200	211	5,345	1,775	7,736
Western Iowa Tech	10	44	30	120	1,447	484	2,135
Iowa Western	9	16	12	20	1,311	230	1,598
Southwestern	0	1	1	3	488	0	493
Indian Hills	6	9	1	5	656	14	691
Southeastern	2	18	15	23	720	36	814
Total	80	452	351	722	20,597	3,376	25,578
% of Total	0.3%	1.8%	1.4%	2.8%	80.5%	13.2%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-12: Credit Joint Enrollment by Racial/Ethnic Background: 2007

College	American Indian	Asian	Black	Hispanic	White	Unknown	Total
Northeast Iowa	3	13	5	18	2,179	99	2,317
North Iowa Area	2	10	2	26	976	39	1,055
Iowa Lakes	2	11	1	11	1,440	34	1,499
Northwest	0	1	1	11	667	38	718
Iowa Central	5	49	39	151	1,205	259	1,708
Iowa Valley	9	13	9	38	943	52	1,064
Hawkeye	8	25	73	29	1,287	16	1,438
Eastern Iowa	7	9	9	74	682	56	837
Kirkwood	6	21	20	24	1,600	256	1,927
Des Moines Area	16	144	158	139	3,202	847	4,506
Western Iowa Tech	14	61	36	191	2,112	732	3,146
Iowa Western	4	17	6	23	1,576	245	1,871
Southwestern	0	0	0	0	536	0	536
Indian Hills	3	0	0	7	639	31	680
Southeastern	0	15	4	5	279	17	320
Total	79	389	363	747	19,323	2,721	23,622
% of Total	0.3%	1.6%	1.5%	3.2%	81.8%	11.5%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-13: Credit Joint Enrollment by Racial/Ethnic Background: 2008

College	American Indian	Asian	Black	Hispanic	White	Unknown	Total
Northeast Iowa	1	11	6	18	2,312	61	2,409
North Iowa Area	3	17	11	24	1,194	13	1,262
Iowa Lakes	1	11	2	14	1,526	28	1,582
Northwest	2	1	0	12	574	19	608
Iowa Central	3	81	33	247	2,492	170	3,026
Iowa Valley	13	11	9	68	877	55	1,033
Hawkeye	7	31	77	16	1,461	6	1,598
Eastern Iowa	19	25	47	115	1,684	191	2,081
Kirkwood	6	23	24	31	1,910	533	2,527
Des Moines Area	31	315	300	303	7,591	709	9,249
Western Iowa Tech	7	11	8	85	721	1,050	1,882
Iowa Western	4	14	6	23	1,402	284	1,733
Southwestern	2	8	2	17	603	0	632
Indian Hills	24	10	5	12	913	97	1,061
Southeastern	5	17	10	17	669	49	767
Total	128	586	540	1,002	25,929	3,265	31,450
% of Total	0.4%	1.9%	1.7%	3.2%	82.4%	10.4%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-14: Credit Joint Enrollment by Racial/Ethnic Background: 2009

College	American Indian	Asian	Black	Hispanic	White	Unknown	Total
Northeast Iowa	6	21	22	17	2,982	121	3,169
North Iowa Area	0	17	5	26	1,350	16	1,414
Iowa Lakes	4	12	3	27	1,691	38	1,775
Northwest	0	0	0	5	563	13	581
Iowa Central	3	42	31	201	2,905	121	3,303
Iowa Valley	9	15	14	102	963	142	1,245
Hawkeye	2	16	76	28	1,915	6	2,043
Eastern Iowa	20	41	55	193	2,315	251	2,875
Kirkwood	17	59	58	67	3,049	425	3,675
Des Moines Area	68	382	361	335	8,251	615	10,012
Western Iowa Tech	4	14	13	117	591	1,069	1,808
Iowa Western	4	11	8	20	1,584	278	1,905
Southwestern	4	9	0	13	757	5	788
Indian Hills	37	8	8	20	993	144	1,210
Southeastern	6	21	25	23	872	77	1,024
Total	184	668	679	1,194	30,781	3,321	36,827
% of Total	0.5%	1.8%	1.8%	3.2%	83.6%	9.0%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-15: Credit Joint Enrollment by College by Residency Status: 2009

College	Iowa	Out-of-State	Inter-national	Unknown	Total
Northeast Iowa	2,859	10	0	0	2,869
North Iowa Area	1,357	5	1	0	1,363
Iowa Lakes	1,427	0	0	0	1,427
Northwest	489	0	0	0	489
Iowa Central	2,918	1	2	0	2,921
Iowa Valley	1,119	5	0	0	1,124
Hawkeye	1,782	0	0	0	1,782
Eastern Iowa	2,484	17	5	1	2,507
Kirkwood	3,391	7	10	4	3,412
Des Moines Area	9,373	1	2	0	9,376
Western Iowa Tech	1,790	18	0	0	1,808
Iowa Western	1,804	1	0	0	1,805
Southwestern	645	1	0	0	646
Indian Hills	1,129	1	0	0	1,130
Southeastern	855	21	2	0	878
Total	33,422	88	22	5	33,537

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 5-16: Credit Joint Enrollment by Grade Level: 2009

College	< 09	9	10	11	12	Total
Northeast Iowa	0	24	72	730	1,118	1,944
North Iowa Area	0	7	62	413	737	1,219
Iowa Lakes	28	32	47	346	510	963
Northwest	0	0	0	6	162	168
Iowa Central	1	49	97	952	1,516	2,615
Iowa Valley	1	6	50	368	645	1,070
Hawkeye	0	77	197	534	798	1,606
Eastern Iowa	0	124	167	680	1,209	2,180
Kirkwood	0	44	374	791	1,435	2,644
Des Moines Area	4	35	471	2,390	4,293	7,193
Western Iowa Tech	0	72	176	468	712	1,428
Iowa Western	0	1	48	571	1,024	1,644
Southwestern	2	10	14	226	378	630
Indian Hills	0	14	45	302	639	1,000
Southeastern	1	1	8	216	447	673
Total	37	496	1,828	8,993	15,623	26,977

SOURCE: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

6

CREDIT STUDENT AWARDS

Fiscal year credit awards track students who received any type of a community college award during fiscal year 2009. Award counts include the same student each time she receives an award during this period of time. In 2009, the number of awards declined, but the composition of community college awardees remained relatively the same.

Number of awards decreased in 2009 to 14,336, or by 0.3 percent compared to 2008. However, average number of awards in Iowa community colleges has increased two percent since tracking began in fiscal year 2000. Overall, the number of awards peaked in 2005 (15,023) and fluctuates since that year (Figure 6-1).

There are a variety of credit student awards granted by Iowa community colleges. Awards offered include Associate of Arts (AA), Associate of Science (AS), Associate of General Studies (AGS), Associate of Applied Arts (AAA), Associate in Applied Science (AAS), Diplomas, and Certificates. Associate of Arts comprised 4,817 (33.6%) of the total credit student awards granted during fiscal year 2009. Associate in Applied Science awards accounted for another 4,587 (32%) of awards issued. The share of Associate of Science awards increased from 7.7 percent in 2008 to 8.1 percent in 2009, while the share of certificates decreased

CREDIT AWARDS

LARGEST AWARD TYPE:

ASSOCIATE OF ARTS (AA)

230 more awards than Associates of Applied Science

NUMBER OF AWARDS:

14,336

DECLINE SINCE LAST YEAR:

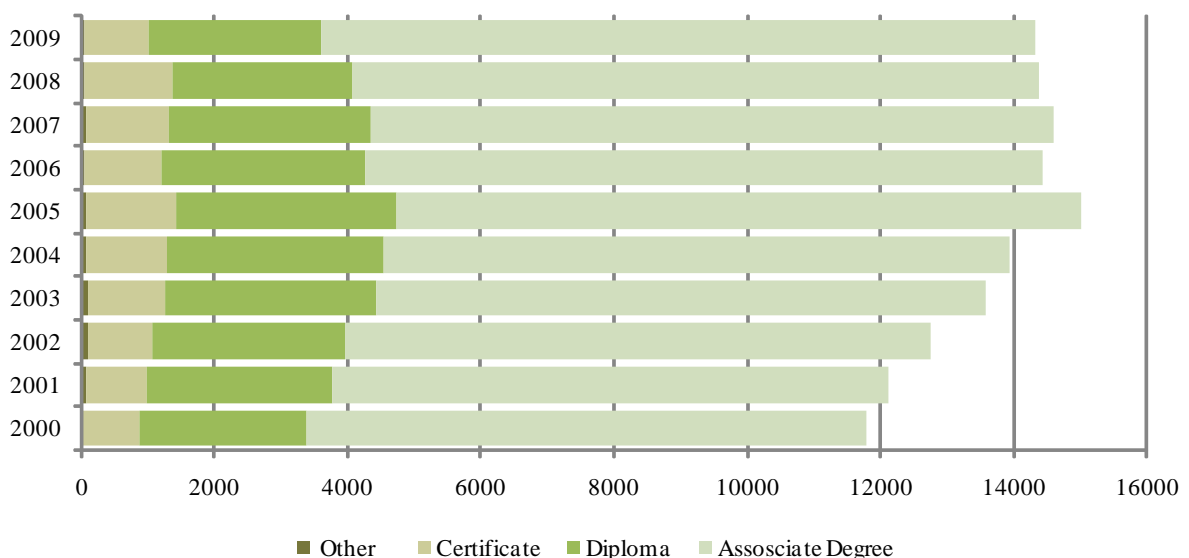
↓ 0.3%

from 9.3 to 6.8 percent between the same years.

Credit student awards by program majors have remained fairly consistent over the past five years. All areas reflect some fluctuations between fiscal year 2005 and fiscal year 2009. In career and technical education (CTE) programs, the largest number of awards was granted in the health science; followed by business; manufacturing; architecture and construction; transportation, distribution and logistics; and Agriculture, Food, and Natural Resources programs. Steadily over the last 10 years, the prevailing number of degrees (69-75%) were Associate's degrees, followed by Diplomas and Certificates (Figure 6-2).

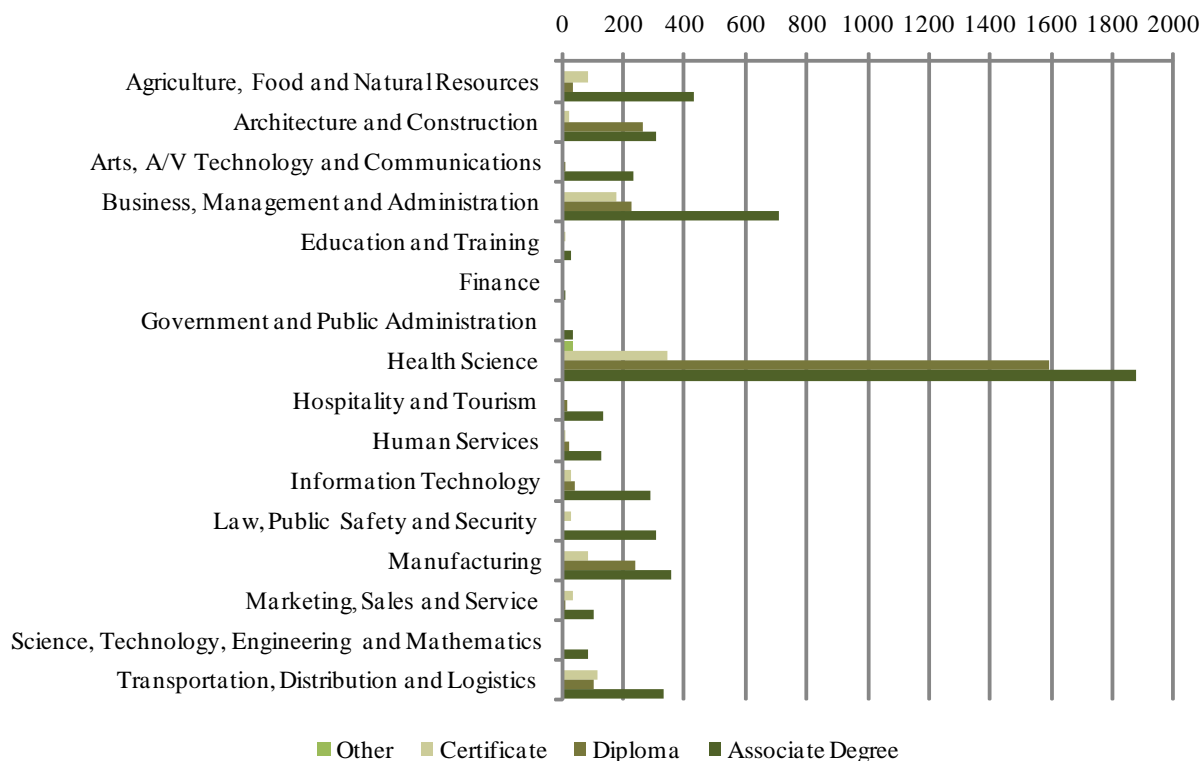
Although the national data does not classify program

Figure 6-1: Awards by Type: 2000-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 6-1.

Figure 6-2: Fiscal Year Student Award by Program Major: 2009



SOURCE: Iowa Department of Education, Bureau of Community College Services Community College MIS, see Table 6-15.

areas in the same educational clusters, recent data is analogous to Iowa’s community colleges. Like Iowa, most awards were granted in general studies intended to prepare for a four-year degree, followed by health/clinical sciences, and business (Provasnik and Planty, 2008).

2009 enrollees among racial minorities (45%), but the students of Hispanic origin comprise 36.2 percent of all awardees among racial and ethnic minorities, while representing only 30 percent of all minorities’ enrollees in 2009 (Figure 6-4).

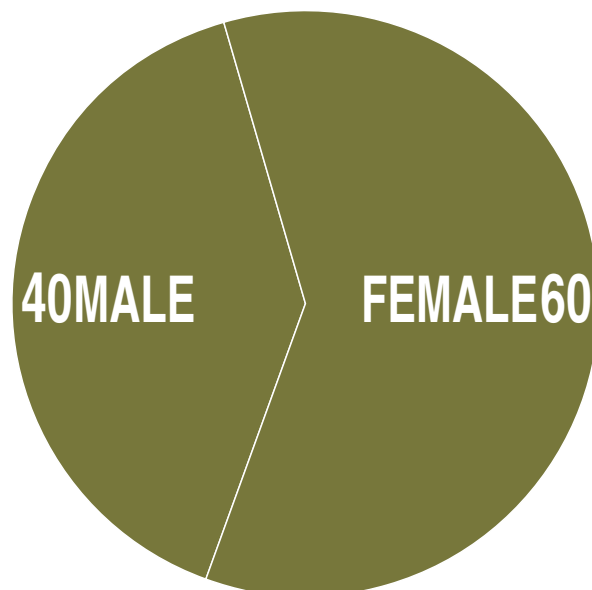
Awardees Demographics

The typical community college awardee is a white female with an AA or AAS in Health Science degree. While in general the same distribution is true for credit student enrollment, the awards tend to be distributed heavier towards women. While 56 percent of all enrollees in Iowa community colleges in 2009 were women, 60 percent of all awardees in 2009 were women (Figure 6-3). Nationally, women also earn more awards than men (Knapp, Kelly-Reid, and Ginder, 2008): 63 percent of awards in community colleges were given to women in the U.S.

The similar trend is present for the racial distribution: while whites comprise 88 percent of Iowa community colleges enrollees in 2009, they comprise close to 93 percent of all community college awardees in 2009.

The distribution of awards among racial minorities does not mirror enrollment, either. Blacks are still the largest group of awardees among the racial and ethnic minorities (37.6%), and the largest group of

Figure 6-3: Awards by Gender: 2009



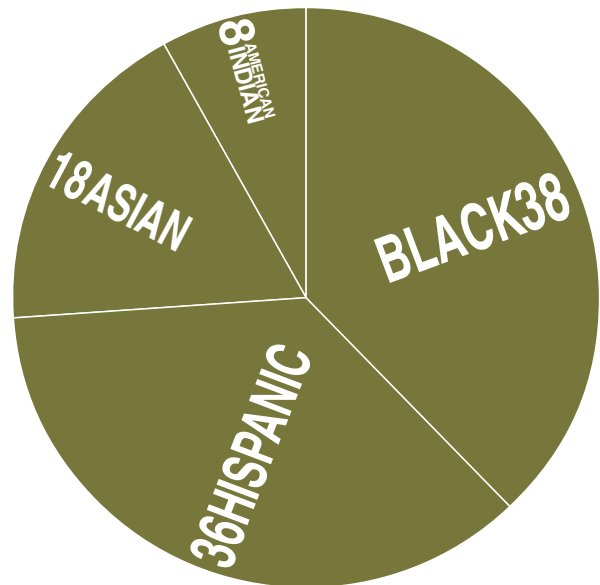
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 6-3.

The dynamics of credit student awards for racial minorities is similar to that of all community college awardees. The overwhelming majority of awards falls into two-year degrees (74.8% in 2009), followed by diplomas (18.1% in 2009) and certificates (6.8% in 2009). Unlike the entire community college population, the number of awards among racial and ethnic minorities kept growing, with some fluctuations, from 2000 to 2009 (Figure 6-6).

In 2009, over 43 percent of all CTE awards were in Health Science. The gender distribution, however, is even higher—65.3 percent of all CTE awards were conferred to women were in Health Science. Women also lead in Business, Arts and Communications, while men receive more awards in Transportation, Manufacturing, Construction and Agriculture (Figure 6-5).

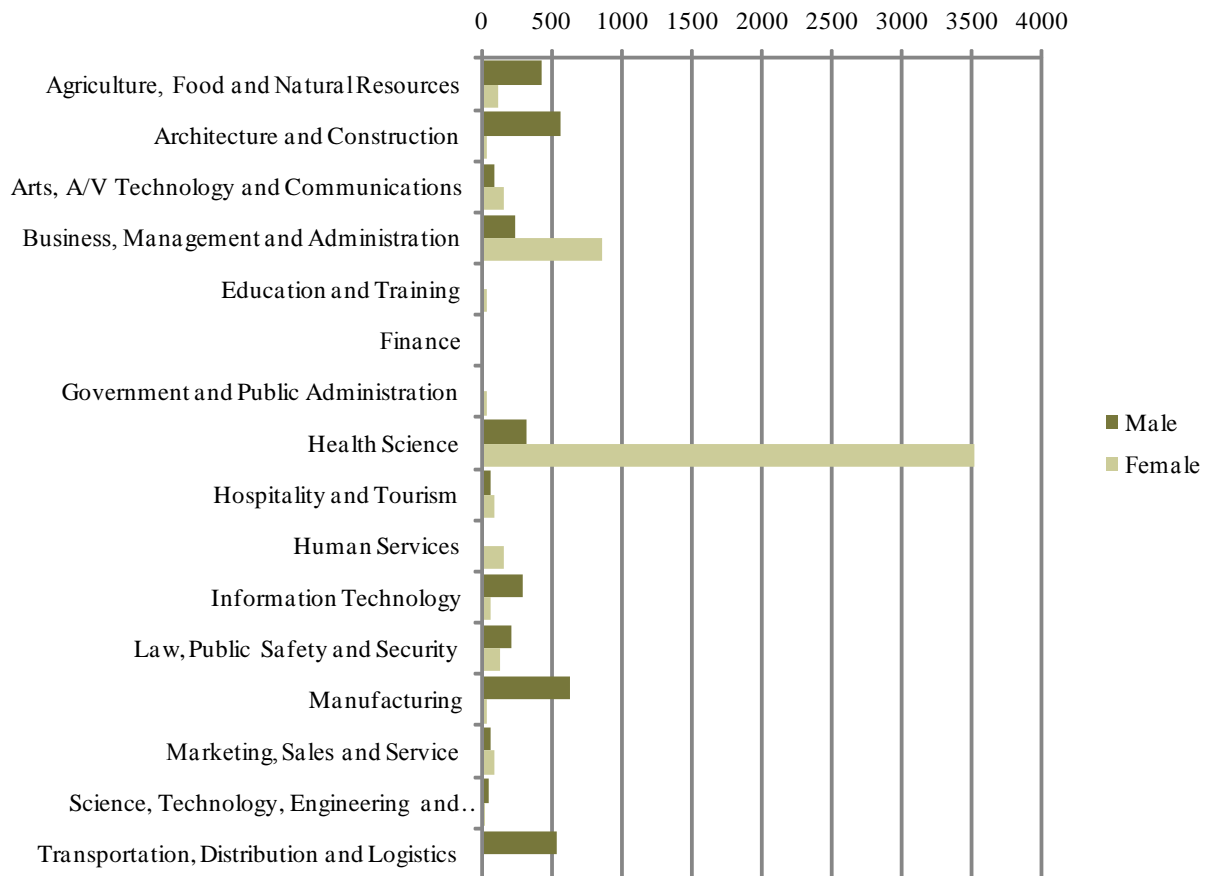
The majority of CTE awards for racial and ethnic minorities were among Health Science students, followed by awards in Business. The distribution, however, was more leveled in comparison with all awardees; for example, only 39 percent of all CTE awards fell into Health Science for minorities (Figure 6-7).

Figure 6-4: Awards by Racial and Ethnic Minorities: 2009



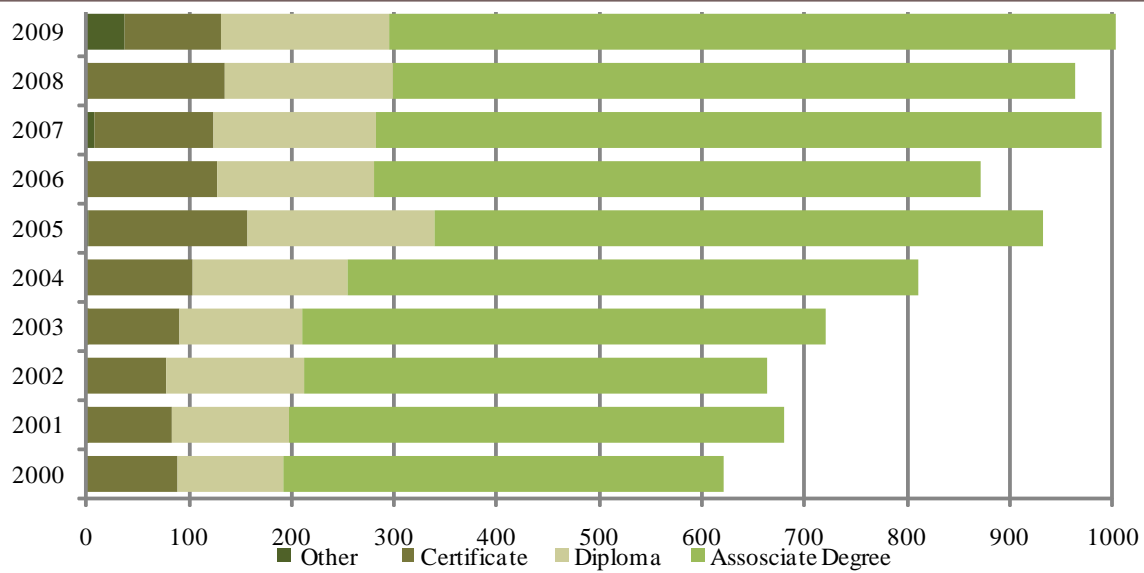
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 6-42.

Figure 6-5: Award by Gender by Career Cluster: 2009



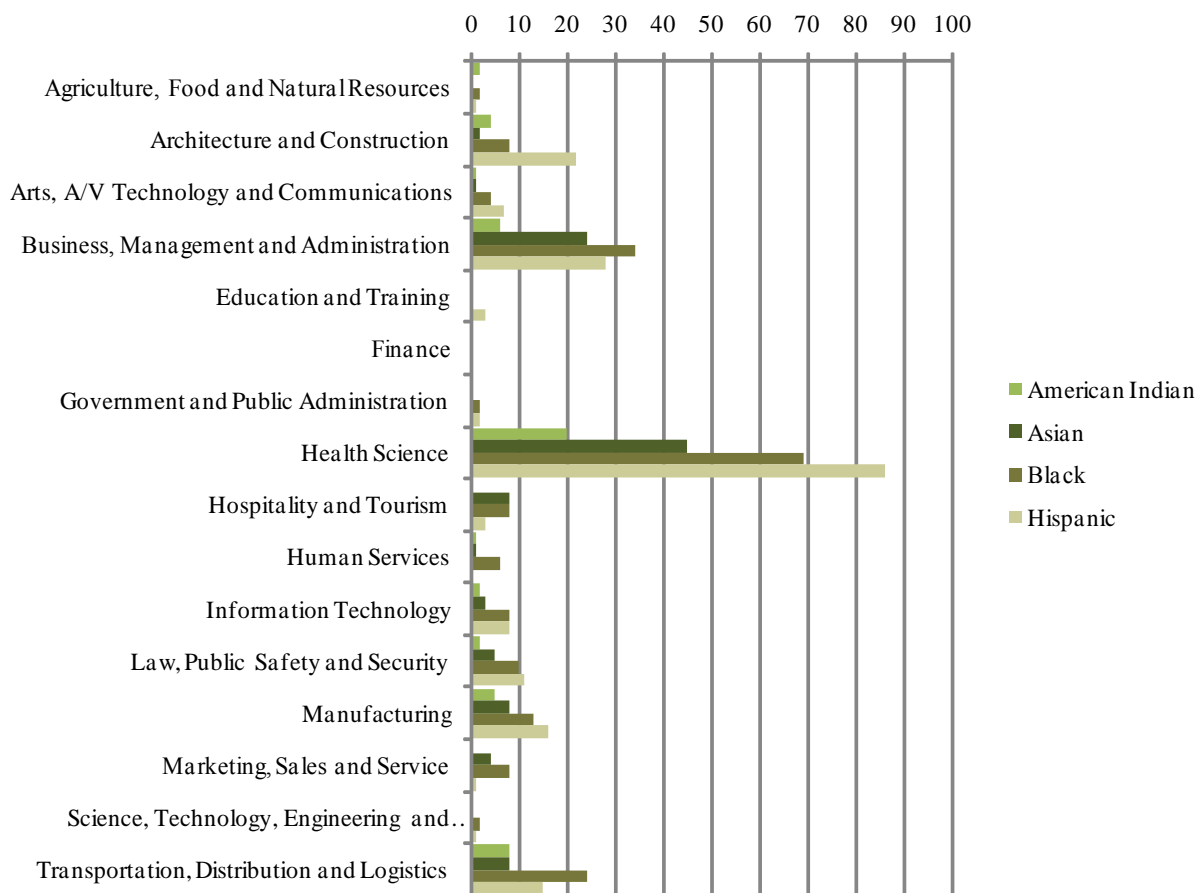
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 6-16 through 6-3.

Figure 6-6: Credit Student Awards within Racial/Ethnic Minority Group: 2000-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 6-4.

Figure 6-7: Credit Student Awards by Program Major by Racial/Ethnic Group: 2009



SOURCE: Iowa Department of Education, Bureau of Community College Services and Career and Technical Education, see Table 6-37.

Table 6-1: Awards by Type: 2005—2009

Award Type	2005	2006	2007	2008	2009
AA	4,722	4,661	4,683	4,551	4,817
AS	1,076	1,106	1,053	1,112	1,165
AGS	63	60	72	78	88
AAA	76	92	52	57	66
AAS	4,343	4,259	4,398	4,527	4,587
Diploma	3,307	3,039	3,055	2,689	2,595
Certificate	1,348	1,165	1,221	1,330	978
Other	88	51	82	40	40
Total	15,023	14,433	14,616	14,384	14,336

Note: Each "I" denotes 500 students. Students may have received more than one award type. Source: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 6-2: Awards by Career Cluster: 2005—2009

Cluster	2005	2006	2007	2008	2009
Agriculture, Food and Natural Resources	585	541	511	496	554
Architecture and Construction	654	585	601	693	603
Arts, A/V Technology and Communications	242	243	243	238	247
Business, Management and Administration	1,131	1,137	1,102	1,129	1,113
Education and Training	43	26	34	55	45
Finance	8	8	12	9	13
Government and Public Administration	57	61	35	38	40
Health Science	4,497	4,321	4,401	4,149	3,855
Hospitality and Tourism	127	132	140	147	153
Human Services	233	217	219	221	170
Information Technology	507	386	381	335	360
Law, Public Safety and Security	391	364	354	377	345
Manufacturing	566	605	566	655	687
Marketing, Sales and Service	232	224	211	232	155
Science, Technology, Engineering and Mathematics	72	39	92	64	90
Transportation, Distribution and Logistics	670	557	634	649	556
College Transfer (Parallel)	5,115	5,013	5,100	4,913	5,350
Total	15,130	14,459	14,636	14,400	14,359

Note: Each “|” denotes 500 students. Students may have received award in multiple clusters. Source: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

Table 6-3: Awards by Career Cluster and Gender : 2005—2009

Cluster	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Agriculture, Food and Natural Resources	405	164	388	149	349	146	384	102	434	117
Architecture and Construction	600	43	535	47	560	37	625	58	563	34
Arts, A/V Technology and Communications	91	147	84	155	77	165	94	142	93	152
Business, Management and Administration	195	903	232	903	191	903	248	871	246	860
Education and Training	3	38	9	17	7	26	5	49	10	35
Finance	2	6	4	4	7	5	2	7	3	10
Government and Public Administration	9	44	8	53	6	29	3	35	2	38
Health Science	394	4,049	362	3,914	370	3,991	350	3,722	321	3,518
Hospitality and Tourism	66	61	54	70	62	77	62	81	66	87
Human Services	5	221	5	211	5	214	8	182	2	164
Information Technology	358	140	292	91	275	99	252	82	294	65
Law, Public Safety and Security	214	172	199	162	193	158	205	168	212	130
Manufacturing	521	33	560	35	530	33	613	31	637	42
Marketing, Sales and Service	79	136	91	131	101	105	89	141	59	96
Science, Technology, Engineering and Mathematics	41	28	24	11	60	31	41	18	45	21
Transportation, Distribution and Logistics	625	30	527	16	606	21	611	32	539	16
College Transfer (Parallel)	2,075	2,984	1,909	3,037	2,041	2,992	1,967	2,886	2,203	3,061
Total	5,683	9,199	5,283	9,006	5,440	9,032	5,559	8,607	5,729	8,446

Note: Each "||" denotes 300 students. Does not include student with unknown or unreported gender. The following are unknown/unreported totals: fiscal year 2005 = 141 (0.9%); fiscal year 2006 = 144 (1%); fiscal year 2007 = 144 (1%); fiscal year 2008 = 190 (1.3%); fiscal year 2009 = 161 (1.1%). Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-4: Award Types by Race: 2005—2009

Award Type	2005		2006		2007		2008		2009	
	White	Minority	White	Minority	White	Minority	White	Minority	White	Minority
AA	4,177	284	4,092	328	4,055	367	3,973	321	4,102	371
AS	953	81	993	59	923	75	984	82	965	96
AGS	49	8	54	5	58	12	66	9	69	4
AAA	73	3	86	4	48	2	53	3	62	4
AAS	3,938	217	3,888	195	3,910	251	4,077	249	4,040	243
Diploma	3,023	182	2,774	153	2,779	158	2,417	164	2,319	163
Certificate	1,096	154	947	126	1,022	117	1,084	134	797	94
Other	84	3	49	1	71	7	39	1	35	3
Total	13,393	932	12,883	871	12,866	989	12,693	963	12,389	978
% of Total	89%	6%	89%	6%	88%	7%	88%	7%	86%	7%

Note: Does not include students with unknown or unreported race. The following are unknown/unreported totals: fiscal year 2005 = 698 (4.7%); fiscal year 2006 = 679 (4.7%); fiscal year 2007 = 610 (4.2%); fiscal year 2008 = 728 (5.1%); fiscal year 2009 = 969 (6.7%). Students may have received more than one award. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-5: Awards by Career Cluster and Race: 2005—2009

Cluster	2005		2006		2007		2008		2009	
	White	Minority	White	Minority	White	Minority	White	Minority	White	Minority
Agriculture, Food and Natural Resources	538	10	505	8	460	14	464	8	497	5
Architecture and Construction	595	19	526	25	518	36	607	43	528	36
Arts, AV Technology and Communications	217	11	222	11	210	17	217	13	221	13
Business, Management and Administration	1,002	72	1,030	72	960	100	974	113	935	92
Education and Training	38	0	22	3	19	10	37	13	41	3
Finance	7	1	7	0	10	1	8	0	10	0
Government and Public Administration	38	10	51	8	25	9	28	7	32	4
Health Science	4,027	307	3,869	271	3,985	242	3,724	237	3,450	220
Hospitality and Tourism	105	13	110	9	121	11	133	7	117	19
Human Services	196	13	200	6	193	13	180	5	146	8
Information Technology	439	27	332	25	339	22	299	29	308	21
Law, Public Safety and Security	344	27	330	10	308	22	333	24	299	28
Manufacturing	509	32	552	25	512	31	563	43	615	42
Marketing, Sales and Service	198	11	201	9	187	8	205	13	120	13
Science, Technology, Engineering and Mathematics	34	18	33	2	49	21	34	15	63	3
Transportation, Distribution and Logistics	592	35	498	28	557	37	576	39	475	55
College Transfer (Parallel)	4,514	326	4,395	359	4,413	395	4,284	353	4,532	416
Total	13,393	932	12,883	871	12,866	989	12,666	962	12,389	978
Percent of Total	93%	7%	94%	6%	93%	7%	93%	7%	93%	7%

Note: Does not include students with unknown or unreported race. The following are unknown/unreported totals: fiscal year 2005 = 698 (4.7%); fiscal year 2006 = 679 (4.7%); fiscal year 2007 = 610 (4.2%); fiscal year 2008 = 728 (5.1%); fiscal year 2009 = 969 (6.7%). Students may have received more than one award. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-6: Awards by Career Cluster and College: 2005

Cluster	Northeast	North Iowa Area	Iowa Lakes	Northwest	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern	Indian Hills	Southeastern	Total
Agriculture, Food and Natural Resources	77	10	58	0	3	14	85	16	194	66	17	11	9	4	21	585
Architecture and Construction	86	22	21	28	36	47	34	25	111	73	73	23	30	22	23	654
Arts, A/V Technology and Communications	0	0	6	0	4	5	69	15	59	49	6	15	7	0	7	242
Business, Management and Administration	159	63	35	24	59	28	56	114	118	190	120	22	23	78	42	1,131
Education and Training	0	3	0	0	0	0	0	13	9	0	4	14	0	0	0	43
Finance	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Government and Public Administration	6	0	0	0	15	0	0	0	17	19	0	0	0	0	0	57
Health Science	453	356	203	46	213	130	630	183	540	500	363	219	107	331	223	4,497
Hospitality and Tourism	0	0	11	0	0	0	0	6	49	40	0	9	0	12	0	127
Human Services	29	0	20	0	0	0	15	23	41	23	35	9	0	30	8	233
Information Technology	29	28	7	10	12	18	15	29	135	73	28	17	10	64	32	507
Law, Public Safety and Security	0	22	14	0	24	11	48	0	89	96	48	0	0	16	23	391
Manufacturing	47	13	11	16	45	11	51	20	53	36	42	15	6	162	38	566
Marketing, Sales and Service	46	5	4	4	0	1	11	0	48	94	9	10	0	0	0	232
Science, Technology, Engineering and Mathematics	0	0	0	0	3	0	2	20	10	0	2	27	0	8	0	72
Transportation, Distribution and Logistics	45	15	78	2	24	0	59	115	46	83	50	40	21	63	29	670
College Parallel	214	365	190	16	340	329	404	517	902	646	108	321	87	389	287	5,115
Total	1,191	902	658	146	778	594	1,479	1,096	2,429	1,988	905	752	300	1,179	733	15,130

NOTE: Students may have received awards in more than one cluster. SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-7: Awards by Career Cluster and College: 2006

Cluster	Northeast	North Iowa Area	Iowa Lakes	Northwest	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern	Indian Hills	Southeastern	Total
Agriculture, Food and Natural Resources	55	12	57	0	2	33	71	23	182	49	23	14	2	4	14	541
Architecture and Construction	41	11	35	74	23	28	28	21	95	75	65	22	28	19	20	585
Arts, A/V Technology and Communications	0	0	14	0	4	2	84	10	45	50	7	13	8	0	6	243
Business, Management and Administration	134	66	31	30	44	28	43	126	128	222	116	30	15	71	53	1,137
Education and Training	0	5	0	0	0	0	0	3	4	3	3	8	0	0	0	26
Finance	0	0	0	0	0	0	1	0	7	0	0	0	0	0	0	8
Government and Public Administration	3	0	0	0	0	0	0	0	30	28	0	0	0	0	0	61
Health Science	373	287	204	83	207	136	658	202	509	395	390	242	88	328	219	4,321
Hospitality and Tourism	0	1	18	0	0	0	0	10	44	27	0	22	0	10	0	132
Human Services	15	0	16	0	18	6	11	11	37	23	22	13	0	35	10	217
Information Technology	25	25	5	22	9	5	21	37	102	51	17	11	12	35	9	386
Law, Public Safety and Security	0	43	14	0	36	6	24	0	99	67	38	0	0	17	20	364
Manufacturing	42	16	11	36	58	8	84	6	45	54	64	8	8	133	32	605
Marketing, Sales and Service	24	4	8	0	0	3	8	0	35	110	12	20	0	0	0	224
Science, Technology, Engineering and Mathematics	0	0	0	0	2	0	9	8	3	0	0	6	0	11	0	39
Transportation, Distribution and Logistics	23	15	68	14	19	0	56	71	30	78	41	43	31	49	19	557
College Parallel	187	326	178	18	345	312	359	575	856	680	127	329	79	405	237	5,013
Total	922	811	659	277	767	567	1,457	1,103	2,251	1,912	925	781	271	1,117	639	14,459

NOTE: Students may have received awards in more than one cluster. SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-8: Awards by Career Cluster and College: 2007

Cluster	Northeast	North Iowa Area	Iowa Lakes	Northwest	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern	Indian Hills	Southeastern	Total
Agriculture, Food and Natural Resources	52	9	56	0	6	13	77	28	167	47	12	21	3	6	14	511
Architecture and Construction	52	12	29	72	46	31	39	29	91	73	51	23	27	18	8	601
Arts, A/V Technology and Communications	0	0	23	0	8	6	50	15	52	47	11	20	2	0	9	243
Business, Management and Administration	92	73	33	29	34	21	46	183	131	214	101	15	27	43	60	1,102
Education and Training	0	1	0	0	0	0	0	2	4	11	3	13	0	0	0	34
Finance	0	0	0	0	0	0	0	0	10	0	2	0	0	0	0	12
Government and Public Administration	3	0	0	0	0	0	0	0	12	20	0	0	0	0	0	35
Health Science	347	317	193	108	195	127	578	334	539	454	344	217	102	361	185	4,401
Hospitality and Tourism	0	1	10	0	0	0	0	11	52	44		14	0	8	0	140
Human Services	13	2	23	0	6	4	20	21	25	24	22	14	0	36	9	219
Information Technology	17	23	5	14	15	5	24	35	85	47	20	9	9	65	8	381
Law, Public Safety and Security	0	32	23	0	13	8	29	0	100	74	41	0	0	13	21	354
Manufacturing	28	7	11	17	65	8	76	16	48	74	46	12	0	122	36	566
Marketing, Sales and Service	27	0	8	0	0	4	7	0	38	95	13	19	0	0	0	211
Science, Technology, Engineering and Mathematics	0	0	1	0	6	0	3	41	5	0	2	23	0	11	0	92
Transportation, Distribution and Logistics	26	13	53	28	21	0	54	122	45	80	65	32	39	47	9	634
College Parallel	189	346	175	28	339	270	338	680	863	706	145	334	98	355	234	5,100
Total	846	836	643	296	754	497	1,341	1,517	2,267	2,010	878	766	307	1,085	593	14,636

NOTE: Students may have received awards in more than one cluster.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-9: Awards by Career Cluster and College: 2008

Cluster	College												Total		
	Northwest	North Iowa Area	Iowa Lakes	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern		Indian Hills	Southeastern
Agriculture, Food and Natural Resources	52	21	43	0	3	20	82	21	134	67	6	21	6	12	496
Architecture and Construction	61	14	46	78	33	21	34	38	56	99	114	28	39	14	693
Arts, A/V Technology and Communications	0	2	16	0	7	3	53	13	51	48	11	18	4	0	238
Business, Management and Administration	83	64	40	25	43	25	31	143	121	262	108	25	29	71	1,129
Education and Training	0	3	0	0	0	0	0	2	5	28	2	15	0	0	55
Finance	0	0	0	0	0	0	0	0	8	0	1	0	0	0	9
Government and Public Administration	1	0	0	0	0	0	0	0	17	20	0	0	0	0	38
Health Science	328	382	198	82	221	124	575	185	317	456	337	235	112	402	4,149
Hospitality and Tourism	0	4	10	0	0	0	0	9	40	57	0	13	0	14	147
Human Services	8	28	17	0	18	5	12	28	20	22	23	12	0	22	221
Information Technology	22	18	6	7	6	5	22	32	55	34	8	13	27	73	335
Law, Public Safety and Security	0	31	14	0	22	8	36	0	100	76	47	0	0	19	377
Manufacturing	24	14	8	35	70	15	80	32	52	91	49	19	0	122	655
Marketing, Sales and Service	18	2	5	2	0	6	15	0	40	113	14	17	0	0	232
Science, Technology, Engineering and Mathematics	0	3	2	0	6	0	6	23	3	0	7	6	0	8	64
Transportation, Distribution and Logistics	17	12	55	42	29	0	51	108	20	91	53	49	35	64	649
Total	782	898	640	297	793	466	1,356	1,183	1,878	2,202	911	814	338	1,183	14,400

NOTE: Students may have received awards in more than one cluster. Non-graduate program completers were not included in the credit student awards by career cluster charts.

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-10: Awards by Career Cluster and College: 2009

Cluster	Northeast	North Iowa Area	Iowa Lakes	Northwest	Iowa Central	Iowa Valley	Hawkeye	Eastern Iowa	Kirkwood	Des Moines Area	Western Iowa Tech	Iowa Western	Southwestern	Indian Hills	Southeastern	Total
Agriculture, Food and Natural Resources	55	18	41	12	20	120	24	142	86	2	9	4	5	16	554	
Architecture and Construction	47	29	60	102	34	28	30	14	56	75	46	20	27	24	11	603
Arts, A/V Technology and Communications	7	6	14	10	2	62	17	45	49	4	4	19	4	8	247	
Business, Management and Administration	102	65	32	18	59	24	56	182	88	258	57	30	29	45	68	1,113
Education and Training	4	4	9	15	4	13	10	3	13	10	3	13	10	3	45	
Finance	4	4	9	15	4	13	10	3	13	10	3	13	10	3	45	
Government and Public Administration	4	4	9	15	4	13	10	3	13	10	3	13	10	3	40	
Health Science	296	397	161	78	229	124	236	220	401	440	270	256	129	388	230	3,855
Hospitality and Tourism	1	9	1	5	54	59	14	10	153	153	153	153	153	153	153	153
Human Services	15	4	12	10	5	24	15	16	19	13	17	16	4	170	170	
Information Technology	22	13	5	3	26	7	45	35	54	55	12	7	14	50	12	360
Law, Public Safety and Security	39	14	34	10	29	51	88	52	19	345	345	345	345	345	345	345
Manufacturing	17	15	17	42	74	13	81	31	58	92	44	12	152	39	687	
Marketing, Sales and Service	11	4	4	15	73	7	20	155	155	155	155	155	155	155	155	155
Science, Technology, Engineering and Mathematics	162	319	146	19	361	240	350	515	1,146	786	141	385	102	435	243	5,350
Transportation, Distribution and Logistics	4	3	4	2	9	7	90	90	90	90	90	90	90	90	90	90
College Transfer (Parallel)	15	13	42	23	32	85	72	29	76	40	45	24	35	25	556	
Total	753	931	560	285	886	473	1,135	1,148	2,180	2,205	711	883	333	1,178	675	14,336

Note: Students may have received awards in more than one cluster. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-11: Awards by Career Cluster and Award Type: 2005

Career Cluster	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Non-Completed	Total
Agriculture, Food and Natural Resources	0	27	0	0	393	77	74	0	14	585
Architecture and Construction	0	9	0	0	293	296	49	0	7	654
Arts, A/V Technology and Communications	8	18	0	76	133	4	0	0	3	242
Business, Management and Administration	4	262	0	0	386	288	162	0	29	1,131
Education and Training	2	10	0	0	26	0	4	0	1	43
Finance	0	4	0	0	4	0	0	0	0	8
Government and Public Administration	16	37	0	0	0	0	1	0	3	57
Health Science	5	23	0	0	1,620	2,008	747	88	6	4,497
Hospitality and Tourism	0	3	0	0	101	12	11	0	0	127
Human Services	26	38	0	0	59	89	16	0	5	233
Information Technology	2	51	0	0	313	79	59	0	3	507
Law, Public Safety and Security	70	125	0	0	123	14	59	0	0	391
Manufacturing	0	1	0	0	344	185	30	0	6	566
Marketing, Sales and Service	0	2	0	0	124	36	36	0	15	232
Science, Technology, Engineering and Mathematics	0	8	0	0	63	0	1	0	0	72
Transportation, Distribution and Logistics	0	6	0	0	357	198	94	0	15	670
College Transfer (Parallel)	4,589	433	63	0	4	21	5	0	0	5,115
Total	4,722	1,076	63	76	4,343	3,307	1,348	88	107	15,130

NOTE: College Transfer (Parallel) is not a formal career cluster, but is included in the analysis for completeness. Each "||" denotes five percent of total.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-12: Awards by Career Cluster and Award Type: 2006

Career Cluster	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Non-Completed	Total
Agriculture, Food and Natural Resources	5	23	1	0	394	71	47	0	0	541
Architecture and Construction	0	10	0	0	254	291	29	0	1	585
Arts, A/V Technology and Communications	4	21	0	92	121	3	1	0	1	243
Business, Management and Administration	10	295	0	0	402	281	149	0	0	1,137
Education and Training	2	10	0	0	11	0	3	0	0	26
Finance	0	5	0	0	3	0	0	0	0	8
Government and Public Administration	27	28	0	0	0	0	3	3	0	61
Health Science	4	23	1	0	1,722	1,853	671	46	1	4,321
Hospitality and Tourism	0	0	0	0	111	8	8	0	5	132
Human Services	23	48	0	0	62	67	17	0	0	217
Information Technology	2	34	0	0	239	59	51	0	1	386
Law, Public Safety and Security	89	129	0	0	108	6	32	0	0	364
Manufacturing	0	0	0	0	336	209	56	1	3	605
Marketing, Sales and Service	0	30	0	0	117	32	44	0	1	224
Science, Technology, Engineering and Mathematics	0	11	0	0	23	1	3	0	1	39
Transportation, Distribution and Logistics	0	12	0	0	348	146	41	0	10	557
College Transfer (Parallel)	4,495	427	58	0	8	12	10	1	2	5,013
Total	4,661	1,106	60	92	4,259	3,039	1,165	51	26	14,459

NOTE: College Transfer (Parallel) is not a formal career cluster, but is included in the analysis for completeness. Each “|” denotes five percent of total.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-13: Awards by Career Cluster and Award Type: 2007

Career Cluster	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Non-Completed	Total
Agriculture, Food and Natural Resources	2	28	0	0	358	50	66	0	7	511
Architecture and Construction	0	2	0	0	251	308	37	0	3	601
Arts, A/V Technology and Communications	10	31	0	52	137	11	2	0	0	243
Business, Management and Administration	11	285	1	0	373	244	174	14	0	1,102
Education and Training	2	4	0	0	14	0	11	2	1	34
Finance	0	0	0	0	4	0	0	8	0	12
Government and Public Administration	10	18	0	0	0	0	2	5	0	35
Health Science	3	17	0	0	1,835	1,889	637	20	0	4,401
Hospitality and Tourism	0	0	0	0	118	7	14	0	1	140
Human Services	21	38	0	0	76	71	8	5	0	219
Information Technology	0	31	0	0	252	45	53	0	0	381
Law, Public Safety and Security	80	109	0	0	108	4	32	21	0	354
Manufacturing	0	1	0	0	312	196	56	0	1	566
Marketing, Sales and Service	1	11	0	0	135	27	28	7	2	211
Science, Technology, Engineering and Mathematics	0	11	0	0	63	1	17	0	0	92
Transportation, Distribution and Logistics	0	5	0	0	358	194	75	0	2	634
College Transfer (Parallel)	4,543	462	71	0	4	8	9	0	3	5,100
Total	4,683	1,053	72	52	4,398	3,055	1,221	82	20	14,636

NOTE: College Transfer (Parallel) is not a formal career cluster, but is included in the analysis for completeness. Each "||" denotes five percent of total.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-14: Awards by Career Cluster and Award Type: 2008

Career Cluster	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Non-Completed	Total
Agriculture, Food and Natural Resources	0	26	0	0	376	28	61	0	5	496
Architecture and Construction	0	6	0	0	310	287	90	0	0	693
Arts, A/V Technology and Communications	8	27	0	57	139	4	2	0	1	238
Business, Management and Administration	8	302	0	0	375	227	217	0	0	1,129
Education and Training	2	11	0	0	16	3	22	0	1	55
Finance	0	7	0	0	2	0	0	0	0	9
Government and Public Administration	14	22	0	0	0	0	2	0	0	38
Health Science	1	26	0	0	1,813	1,632	636	40	1	4,149
Hospitality and Tourism	0	1	0	0	135	5	6	0	0	147
Human Services	30	51	0	0	60	53	25	0	2	221
Information Technology	0	27	0	0	256	29	22	0	1	335
Law, Public Safety and Security	94	136	0	0	123	5	19	0	0	377
Manufacturing	0	2	0	0	346	225	80	0	2	655
Marketing, Sales and Service	0	27	0	0	122	30	52	0	1	232
Science, Technology, Engineering and Mathematics	0	7	0	0	54	1	2	0	0	64
Transportation, Distribution and Logistics	0	6	0	0	399	153	91	0	0	649
College Transfer (Parallel)	4,393	428	78	0	1	7	4	0	2	4,913
Total	4,550	1,112	78	57	4,527	2,689	1,331	40	16	14,400

NOTE: College Transfer (Parallel) is not a formal career cluster, but is included in the analysis for completeness. Each "1" denotes five percent of total.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-15: Awards by Career Cluster and Award Type: 2009

Cluster	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Non-completers	Total
Agriculture, Food and Natural Resources	0	20	0	0	413	34	87	0	1	555
Architecture and Construction	2	9	0	0	300	265	27	0	0	603
Arts, A/V Technology and Communications	0	24	0	66	147	9	1	0	0	247
Business, Management and Administration	2	319	0	0	386	228	178	0	1	1,114
Education and Training	0	11	0	0	22	2	10	0	1	46
Finance	0	6	0	0	7	0	0	0	0	13
Government and Public Administration	0	35	0	0	0	0	5	0	0	40
Health Science	5	13	0	0	1,860	1,595	347	35	3	3,858
Hospitality and Tourism	0	0	0	0	134	15	4	0	0	153
Human Services	0	53	0	0	77	26	14	0	0	170
Information Technology	2	21	0	0	264	43	30	0	0	360
Law, Public Safety and Security	32	152	0	0	122	8	31	0	0	345
Manufacturing	0	1	0	0	357	242	87	0	3	690
Marketing, Sales and Service	0	16	0	0	90	14	35	0	0	155
Science, Technology, Engineering and Mathematics	0	6	0	0	77	0	7	0	2	92
Transportation, Distribution and Logistics	0	4	0	0	331	106	115	0	12	568
College Transfer (Parallel)	4,774	475	88	0	0	8	0	5	0	5,350
Total	4,817	1,165	88	66	4,587	2,595	978	40	23	14,359

Note: College Transfer (Parallel) is not a formal career cluster, but is included in the analysis for completeness. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-16: Awards in Agriculture, Food, and Natural Resources by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	50	14	50	4	45	6	42	10	50	5
North Iowa Area	9	1	11	1	9	0	20	1	18	0
Iowa Lakes	57	1	53	4	48	7	41	2	37	4
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	3	0	2	0	5	1	2	1	11	1
Iowa Valley	12	2	17	16	7	6	14	6	16	4
Hawkeye	74	11	57	12	59	17	60	22	84	36
Eastern Iowa	11	5	16	6	20	7	17	3	21	3
Kirkwood	102	90	104	78	98	66	98	32	107	32
Des Moines Area	47	19	36	13	31	16	55	12	63	23
Western Iowa Tech	12	5	16	7	3	8	2	4	0	2
Iowa Western	9	1	13	1	12	2	14	2	9	0
Southwestern	5	4	1	1	3	0	3	3	2	2
Indian Hills	3	1	3	1	4	2	7	1	5	0
Southeastern	11	10	9	5	5	8	9	3	11	5
Total by Gender	405	164	388	149	349	146	384	102	434	117
Total	569	537	495	486	495	486	486	486	434	117

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-17: Awards Architecture and Construction by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	76	2	36	5	51	1	59	1	46	1
North Iowa Area	22	0	11	0	11	1	14	0	29	0
Iowa Lakes	19	1	32	2	28	1	46	0	56	3
Northwest	28	0	74	0	71	1	76	2	102	0
Iowa Central	35	0	20	3	44	2	28	4	29	3
Iowa Valley	47	0	28	0	28	3	18	3	27	1
Hawkeye	30	4	25	3	36	3	29	3	27	3
Eastern Iowa	24	1	17	4	29	0	30	8	14	0
Kirkwood	98	13	86	8	86	4	47	7	43	12
Des Moines Area	68	5	67	8	63	10	89	10	71	4
Western Iowa Tech	67	6	57	8	44	7	105	6	44	2
Iowa Western	22	1	21	0	20	0	21	6	18	2
Southwestern	29	1	25	3	26	1	36	3	26	1
Indian Hills	15	6	17	2	17	1	16	2	20	2
Southeastern	20	3	19	1	6	2	11	3	11	0
Total by Gender	600	43	535	47	560	37	625	58	563	34
Total	643		582		597		683		597	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-18: Awards in Arts, AV Technology, and Communications by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	0	0	0	0	0	0	0	0	1	6
North Iowa Area	0	0	0	0	0	0	0	0	3	3
Iowa Lakes	4	2	5	9	8	15	8	8	5	9
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	3	1	2	2	5	3	5	2	5	5
Iowa Valley	2	3	2	0	4	2	1	2	2	0
Hawkeye	15	54	18	64	10	39	14	38	14	48
Eastern Iowa	5	10	4	6	2	13	3	10	3	14
Kirkwood	17	42	10	34	12	40	14	37	20	24
Des Moines Area	26	23	25	25	23	24	26	22	23	26
Western Iowa Tech	4	2	2	5	2	9	8	3	1	2
Iowa Western	5	6	10	2	10	10	9	8	13	6
Southwestern	6	1	6	2	1	1	3	1	1	3
Indian Hills	0	0	0	0	0	0	0	0	0	0
Southeastern	4	3	0	6	0	9	3	9	2	6
Total by Gender	91	147	84	155	77	165	94	142	93	152
Total	238		239		242		236		245	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-19: Awards in Business Management and Administration by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	21	109	15	119	12	79	18	62	17	84
North Iowa Area	22	41	18	47	18	53	19	43	17	47
Iowa Lakes	4	31	4	27	8	25	8	32	8	24
Northwest	6	18	10	20	3	26	4	21	2	16
Iowa Central	7	52	2	42	8	26	7	36	19	38
Iowa Valley	1	27	1	27	0	21	1	24	1	23
Hawkeye	4	52	2	41	4	42	2	29	3	53
Eastern Iowa	6	108	19	107	10	171	33	110	20	162
Kirkwood	19	97	29	98	30	99	27	93	29	58
Des Moines Area	46	144	75	147	55	159	68	194	81	177
Western Iowa Tech	38	80	40	76	28	72	37	68	23	33
Iowa Western	1	21	4	26	2	13	3	22	6	24
Southwestern	7	16	3	12	6	21	8	21	7	22
Indian Hills	9	69	3	68	2	41	5	66	1	44
Southeastern	4	38	7	46	5	55	8	50	12	55
Total by Gender	195	903	232	903	191	903	248	871	246	860
Total	1098	1135	1094	1119	1094	1119	1119	1106	1106	1106

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-20: Awards in Education and Training by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	0	0	0	0	0	0	0	0	0	0
North Iowa Area	2	1	5	0	1	0	0	3	2	2
Iowa Lakes	0	0	0	0	0	0	0	0	0	0
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	0	0	0	0	0	0	0	0	0	0
Iowa Valley	0	0	0	0	0	0	0	0	0	0
Hawkeye	0	0	0	0	0	0	0	0	0	0
Eastern Iowa	1	12	0	3	0	2	1	1	0	9
Kirkwood	0	8	2	2	0	4	0	5	0	0
Des Moines Area	0	0	1	2	5	6	4	24	7	8
Western Iowa Tech	0	4	1	2	0	3	0	2	0	4
Iowa Western	0	13	0	8	1	11	0	14	1	12
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	0	0	0	0	0	0	0	0	0	0
Southeastern	0	0	0	0	0	0	0	0	0	0
Total by Gender	3	38	9	17	7	26	5	49	10	35
Total	41		26		33		54		45	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-21: Awards in Finance by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	0	0	0	0	0	0	0	0	0	0
North Iowa Area	0	0	0	0	0	0	0	0	0	0
Iowa Lakes	0	0	0	0	0	0	0	0	0	0
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	0	0	0	0	0	0	0	0	0	0
Iowa Valley	0	0	0	0	0	0	0	0	0	0
Hawkeye	0	0	0	1	0	0	0	0	0	0
Eastern Iowa	0	0	0	0	0	0	0	0	0	0
Kirkwood	2	6	4	3	6	4	1	7	3	7
Des Moines Area	0	0	0	0	0	0	0	0	0	0
Western Iowa Tech	0	0	0	0	1	1	1	0	0	3
Iowa Western	0	0	0	0	0	0	0	0	0	0
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	0	0	0	0	0	0	0	0	0	0
Southeastern	0	0	0	0	0	0	0	0	0	0
Total by Gender	2	6	4	4	7	5	2	7	3	10
Total	8		8		12		9		13	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-22: Awards in Government and Public Administration: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	0	3	0	3	1	2	0	1	0	4
North Iowa Area	0	0	0	0	0	0	0	0	0	0
Iowa Lakes	0	0	0	0	0	0	0	0	0	0
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	2	12	0	0	0	0	0	0	0	0
Iowa Valley	0	0	0	0	0	0	0	0	0	0
Hawkeye	0	0	0	0	0	0	0	0	0	0
Eastern Iowa	0	0	0	0	0	0	0	0	0	0
Kirkwood	1	16	3	27	2	10	2	15	0	2
Des Moines Area	6	13	5	23	3	17	1	19	2	32
Western Iowa Tech	0	0	0	0	0	0	0	0	0	0
Iowa Western	0	0	0	0	0	0	0	0	0	0
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	0	0	0	0	0	0	0	0	0	0
Southeastern	0	0	0	0	0	0	0	0	0	0
Total by Gender	9	44	8	53	6	29	3	35	2	38
Total	53		61		35		38		40	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-23: Awards in Health Science by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	41	407	24	349	26	321	28	300	19	277
North Iowa Area	48	297	44	239	33	267	49	295	42	345
Iowa Lakes	15	188	12	192	21	172	19	179	18	142
Northwest	3	43	1	82	8	100	6	76	10	68
Iowa Central	11	202	19	188	12	183	15	204	19	208
Iowa Valley	15	115	8	128	8	119	6	118	6	118
Hawkeye	45	549	41	582	38	518	32	511	13	223
Eastern Iowa	23	160	22	177	30	304	13	172	20	200
Kirkwood	48	492	47	460	46	493	24	292	38	363
Des Moines Area	45	455	42	353	38	416	43	413	39	401
Western Iowa Tech	22	340	23	367	25	318	23	313	17	253
Iowa Western	15	203	21	220	21	196	23	210	27	227
Southwestern	6	101	5	83	11	91	12	99	9	120
Indian Hills	35	296	28	300	32	329	37	365	28	360
Southeastern	22	201	25	194	21	164	20	175	16	213
Total by Gender	394	4049	362	3914	370	3991	350	3722	321	3518
Total	4443		4276		4361		4072		3839	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-24: Awards in Hospitality and Tourism by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	0	0	0	0	0	0	0	0	0	0
North Iowa Area	0	0	1	0	0	1	1	3	0	1
Iowa Lakes	5	6	9	9	4	6	5	5	4	5
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	0	0	0	0	0	0	0	0	0	1
Iowa Valley	0	0	0	0	0	0	0	0	0	0
Hawkeye	0	0	0	0	0	0	0	0	0	0
Eastern Iowa	5	1	3	4	3	8	1	5	0	5
Kirkwood	19	30	13	31	24	28	17	22	29	25
Des Moines Area	26	14	12	15	22	22	28	29	24	35
Western Iowa Tech	0	0	0	0	0	0	0	0	0	0
Iowa Western	5	4	13	4	8	5	7	6	5	9
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	6	6	3	7	1	7	3	11	4	6
Southeastern	0	0	0	0	0	0	0	0	0	0
Total by Gender	66	61	54	70	62	77	62	81	66	87
Total	127	124	139	143	139	143	143	153	153	153

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-25: Awards in Human Services by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	1	23	0	14	0	13	0	8	0	15
North Iowa Area	0	0	0	0	0	2	0	0	0	4
Iowa Lakes	0	20	0	16	0	23	0	17	0	12
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	0	0	1	17	0	6	3	15	0	10
Iowa Valley	0	0	0	6	0	4	0	5	0	5
Hawkeye	0	15	1	10	1	19	0	12	0	22
Eastern Iowa	0	23	0	11	0	21	3	25	0	14
Kirkwood	1	40	1	36	1	24	0	20	1	15
Des Moines Area	0	23	0	23	1	23	0	22	1	18
Western Iowa Tech	0	35	0	22	0	22	0	23	0	12
Iowa Western	0	9	0	13	0	14	0	10	0	17
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	0	29	0	35	1	35	0	21	0	16
Southeastern	3	4	2	8	1	8	2	4	0	4
Total by Gender	5	221	5	211	5	214	8	182	2	164
Total	226		216		219		190		166	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-26: Awards in Information Technology by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	17	9	18	6	12	5	12	10	15	7
North Iowa Area	22	6	18	7	13	9	16	2	12	1
Iowa Lakes	4	3	4	1	5	0	4	2	4	1
Northwest	6	4	15	7	8	4	5	2	2	1
Iowa Central	8	4	5	4	9	6	5	1	21	5
Iowa Valley	11	7	4	1	4	1	3	2	5	2
Hawkeye	12	2	18	3	15	8	17	5	40	5
Eastern Iowa	22	5	27	10	26	7	30	2	28	7
Kirkwood	101	33	83	19	74	11	45	10	48	6
Des Moines Area	49	24	38	13	35	12	29	5	44	11
Western Iowa Tech	22	6	15	2	10	10	8	0	10	2
Iowa Western	14	3	8	2	5	4	7	5	5	2
Southwestern	4	6	9	3	3	6	17	10	11	3
Indian Hills	44	19	25	10	49	15	50	23	39	11
Southeastern	22	9	5	3	7	1	4	3	10	1
Total by Gender	358	140	292	91	275	99	252	82	294	65
Total	498	383	374	334	374	334	334	334	294	359

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-27: Awards in Law, Public Safety, and Security by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	0	0	0	0	0	0	0	0	0	0
North Iowa Area	15	7	22	21	19	12	13	17	25	14
Iowa Lakes	7	7	8	6	13	10	8	6	7	7
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	15	9	22	14	11	2	12	9	19	15
Iowa Valley	4	7	5	1	6	2	3	5	5	5
Hawkeye	44	3	18	6	21	7	31	5	27	2
Eastern Iowa	0	0	0	0	0	0	0	0	0	0
Kirkwood	40	46	60	36	55	44	51	47	39	10
Des Moines Area	48	48	28	39	35	39	42	34	48	40
Western Iowa Tech	23	25	19	19	18	23	21	26	28	23
Iowa Western	0	0	0	0	0	0	0	0	0	0
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	7	9	10	7	9	4	17	2	6	3
Southeastern	11	11	7	13	6	15	7	17	8	11
Total by Gender	214	172	199	162	193	158	205	168	212	130
Total	386	386	361	361	351	351	373	373	342	342

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-28: Awards in Manufacturing by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	36	6	9	14	21	6	22	1	17	0
North Iowa Area	12	1	2	2	7	0	13	0	15	0
Iowa Lakes	11	0	4	4	11	0	7	1	16	1
Northwest	15	1	0	0	15	2	34	1	41	1
Iowa Central	42	2	0	0	64	1	67	3	68	3
Iowa Valley	11	0	2	1	7	1	15	0	13	0
Hawkeye	48	3	3	5	69	6	79	1	76	4
Eastern Iowa	19	0	0	0	16	0	28	2	25	6
Kirkwood	52	1	15	20	47	1	52	0	55	3
Des Moines Area	33	3	43	67	73	1	83	8	80	12
Western Iowa Tech	38	2	8	4	44	2	48	1	41	3
Iowa Western	12	1	5	14	11	0	16	1	9	1
Southwestern	4	2	0	0	0	0	0	0	0	0
Indian Hills	153	8	0	0	111	11	106	11	143	7
Southeastern	35	3	0	0	34	2	43	1	38	1
Total by Gender	521	33	91	131	530	33	613	31	637	42
Total	554		222		563		644		679	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-29: Awards in Marketing by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	10	23	9	14	10	17	3	15	8	3
North Iowa Area	1	4	2	2	0	0	0	2	2	2
Iowa Lakes	3	1	4	4	7	1	3	2	2	2
Northwest	3	1	0	0	0	0	0	2	0	0
Iowa Central	0	0	0	0	0	0	0	0	0	0
Iowa Valley	0	1	2	1	1	3	2	4	0	0
Hawkeye	5	5	3	5	4	3	5	10	10	5
Eastern Iowa	0	0	0	0	0	0	0	0	0	0
Kirkwood	20	28	15	20	11	25	16	23	5	16
Des Moines Area	33	61	43	67	59	36	50	63	22	51
Western Iowa Tech	4	5	8	4	4	9	6	8	3	4
Iowa Western	0	7	5	14	5	11	4	12	7	13
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	0	0	0	0	0	0	0	0	0	0
Southeastern	0	0	0	0	0	0	0	0	0	0
Total by Gender	79	136	91	131	101	105	89	141	59	96
Total	215		222		206		230		155	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-30: Awards in Science, Technology, Engineering, and Mathematics (STEM) by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
	Northeast	0	0	0	0	0	0	0	0	0
North Iowa Area	0	0	0	0	0	0	3	0	4	0
Iowa Lakes	0	0	0	0	0	1	2	0	3	0
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	3	0	2	0	5	1	5	1	4	0
Iowa Valley	0	0	0	0	0	0	0	0	0	0
Hawkeye	2	0	5	4	1	1	5	0	1	1
Eastern Iowa	12	8	6	1	29	12	12	10	9	0
Kirkwood	4	3	2	1	5	0	1	0	1	4
Des Moines Area	0	0	0	0	0	0	0	0	0	0
Western Iowa Tech	1	1	0	0	1	1	4	2	10	6
Iowa Western	12	15	4	1	10	13	2	4	5	10
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	7	1	5	4	9	2	7	1	8	0
Southeastern	0	0	0	0	0	0	0	0	0	0
Total by Gender	41	28	24	11	60	31	41	18	45	21
Total	69	69	35	35	91	91	59	59	66	66

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-31: Awards in Transportation, Distribution, and Logistics by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	37	1	23	0	26	0	17	0	14	0
North Iowa Area	15	0	14	1	12	1	12	0	13	0
Iowa Lakes	75	3	67	1	52	1	53	2	40	2
Northwest	2	0	13	1	26	1	41	1	22	1
Iowa Central	24	0	19	0	20	1	26	1	31	1
Iowa Valley	0	0	0	0	0	0	0	0	0	0
Hawkeye	56	3	53	3	53	0	49	2	84	1
Eastern Iowa	108	7	64	4	114	8	97	10	69	3
Kirkwood	45	1	29	1	44	1	20	0	28	1
Des Moines Area	80	3	77	1	78	2	88	3	76	0
Western Iowa Tech	46	4	41	0	62	2	47	5	36	4
Iowa Western	32	0	32	0	27	1	43	5	44	1
Southwestern	18	3	29	2	36	3	34	1	24	0
Indian Hills	61	2	47	2	47	0	63	0	33	2
Southeastern	26	3	19	0	9	0	21	2	25	0
Total by Gender	625	30	527	16	606	21	611	32	539	16
Total	655	655	543	543	627	627	643	643	555	555

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-32: Awards in College Transfer (Parallel) by Gender: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	61	152	57	129	61	126	49	116	50	111
North Iowa Area	157	201	144	175	145	194	136	158	158	156
Iowa Lakes	69	116	71	107	59	115	67	112	60	86
Northwest	4	12	4	14	12	15	3	23	8	11
Iowa Central	157	177	160	184	153	184	149	181	171	186
Iowa Valley	132	197	118	194	121	149	107	127	107	133
Hawkeye	159	240	145	205	145	186	140	217	163	178
Eastern Iowa	207	305	204	362	251	425	207	332	191	322
Kirkwood	421	469	362	476	383	468	392	429	493	627
Des Moines Area	281	365	270	410	301	405	302	436	325	461
Western Iowa Tech	38	68	32	90	40	98	34	95	34	100
Iowa Western	118	201	104	218	121	201	135	205	147	222
Southwestern	28	59	30	49	40	56	31	54	36	65
Indian Hills	132	249	130	266	137	211	128	230	173	251
Southeastern	111	173	78	158	72	159	87	171	87	152
Total by Gender	2075	2984	1909	3037	2041	2992	1967	2886	2203	3061
Total	5059	4946	5033	4853	5033	4853	4853	4853	4853	5264

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-33: Awards by Career Cluster and Ethnicity/Race: 2005

Cluster	American					Not Re-ported	Total
	Indian	Asian	Black	Hispanic	White		
Agriculture, Food and Natural Resources	1	4	2	3	538	23	571
Architecture and Construction	6	2	9	2	595	33	647
Arts, A/V Technology and Communications	3	3	1	4	217	11	239
Business, Management and Administration	6	18	31	17	1,002	28	1,102
Education and Training	0	0	0	0	38	4	42
Finance	1	0	0	0	7	0	8
Government and Public Administration	2	0	6	2	38	6	54
Health Science	28	47	147	85	4,027	157	4,491
Hospitality and Tourism	3	7	2	1	105	9	127
Human Services	1	1	9	2	196	19	228
Information Technology	2	14	3	8	439	38	504
Law, Public Safety and Security	2	5	10	10	344	20	391
Manufacturing	5	4	6	17	509	19	560
Marketing, Sales and Service	5	2	1	3	198	8	217
Science, Technology, Engineering and Mathematics	0	0	0	18	34	20	72
Transportation, Distribution and Logistics	5	6	11	13	592	28	655
College Transfer (parallel)	19	80	142	85	4,514	275	5,115
Total	89	193	380	270	13,393	698	15,023

NOTE: "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-34: Awards by Career Cluster and Ethnicity/Race: 2006

Cluster	American Indian				Black	Hispanic	White	Not Re-ported	Total
	Indian	Asian	Black	Hispanic					
Agriculture, Food and Natural Resources	0	2	4	2	505	28	541		
Architecture and Construction	8	3	4	10	526	33	584		
Arts, A/V Technology and Communications	1	2	3	5	222	9	242		
Business, Management and Administration	6	14	30	22	1,030	35	1,137		
Education and Training	0	2	1	0	22	1	26		
Finance	0	0	0	0	7	1	8		
Government and Public Administration	0	1	7	0	51	2	61		
Health Science	26	35	140	70	3,869	180	4,320		
Hospitality and Tourism	1	3	4	1	110	8	127		
Human Services	0	2	4	0	200	11	217		
Information Technology	6	8	8	3	332	28	385		
Law, Public Safety and Security	0	0	7	3	330	24	364		
Manufacturing	2	3	5	15	552	25	602		
Marketing, Sales and Service	0	2	3	4	201	13	223		
Science, Technology, Engineering and Mathematics	0	2	0	0	33	3	38		
Transportation, Distribution and Logistics	2	7	7	12	498	21	547		
College Transfer (parallel)	27	65	142	125	4,395	257	5,011		
Total	79	151	369	272	12,883	679	14,433		

NOTE: "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-35: Awards by Career Cluster and Ethnicity/Race: 2007

Cluster	American					Total
	Indian	Asian	Black	Hispanic	White	
Agriculture, Food and Natural Resources	4	0	5	5	460	504
Architecture and Construction	5	6	6	19	518	598
Arts, AV Technology and Communications	2	5	2	8	210	243
Business, Management and Administration	4	21	50	25	960	1,102
Education and Training	0	0	1	9	19	33
Finance	0	1	0	0	10	12
Government and Public Administration	0	2	4	3	25	35
Health Science	22	49	107	64	3,985	4,401
Hospitality and Tourism	0	2	4	5	121	139
Human Services	1	1	8	3	193	219
Information Technology	1	8	8	5	339	381
Law, Public Safety and Security	5	1	8	8	308	354
Manufacturing	8	11	7	5	512	565
Marketing, Sales and Service	0	1	5	2	187	209
Science, Technology, Engineering and Mathematics	2	0	1	18	49	92
Transportation, Distribution and Logistics	3	3	11	20	557	632
College Transfer (parallel)	23	81	156	135	4,413	5,097
Total	80	192	383	334	12,866	14,616

NOTE: "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-36: Awards by Career Cluster and Ethnicity/Race: 2008

Cluster	American					Black	Hispanic	White	Not Re-ported	Total
	Indian	Asian	Black	Hispanic	White					
Agriculture, Food and Natural Resources	3	1	2	2	464	19	491			
Architecture and Construction	3	3	17	20	607	43	693			
Arts, AV Technology and Communications	2	5	3	3	217	7	237			
Business, Management and Administration	7	39	33	34	974	42	1,129			
Education and Training	0	1	0	12	37	4	54			
Finance	0	0	0	0	8	1	9			
Government and Public Administration	0	0	6	1	28	3	38			
Health Science	16	40	103	78	3,724	187	4,148			
Hospitality and Tourism	0	2	2	3	133	7	147			
Human Services	0	0	5	0	180	6	191			
Information Technology	0	8	2	19	299	6	334			
Law, Public Safety and Security	2	4	6	12	333	20	377			
Manufacturing	8	6	14	15	563	47	653			
Marketing, Sales and Service	0	4	7	2	205	13	231			
Science, Technology, Engineering and Mathematics	2	0	2	11	34	15	64			
Transportation, Distribution and Logistics	3	1	12	23	576	34	649			
College Transfer (parallel)	24	71	145	113	4,284	274	4,911			
Total	70	185	359	348	12,666	728	14,356			

NOTE: "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-37: Awards by Career Cluster and Ethnicity/Race: 2009

Cluster	American					Not Re-ported	Total
	Indian	Asian	Black	Hispanic	White		
Agriculture, Food and Natural Resources	2	0	2	1	497	52	554
Architecture and Construction	4	2	8	22	528	39	603
Arts, A/V Technology and Communications	1	1	4	7	221	13	247
Business, Management and Administration	6	24	34	28	935	86	1,113
Education and Training	0	0	0	3	41	1	45
Finance	0	0	0	0	10	3	13
Government and Public Administration	0	0	2	2	32	4	40
Health Science	20	45	69	86	3,450	185	3,855
Hospitality and Tourism	0	8	8	3	117	17	153
Human Services	1	1	6	0	146	16	170
Information Technology	2	3	8	8	308	31	360
Law, Public Safety and Security	2	5	10	11	299	18	345
Manufacturing	5	8	13	16	615	30	687
Marketing, Sales and Service	0	4	8	1	120	22	155
Science, Technology, Engineering and Mathematics	0	0	2	1	63	24	90
Transportation, Distribution and Logistics	8	8	24	15	475	26	556
College Transfer (Parallel)	25	71	170	150	4,532	402	5,350
Total	76	180	368	354	12,389	969	14,336

Note: "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.
 Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-38: Awards by Ethnicity/Race and Award Type: 2005

	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Total							
American Indian	17	0%	9	1%	0	0%	24	1%	26	1%	13	1%	0	0%	89	1%
Asian	68	1%	20	2%	1	2%	44	1%	31	1%	26	2%	0	0%	193	1%
Black	124	3%	34	3%	4	6%	66	2%	71	2%	81	6%	0	0%	380	3%
Hispanic	75	2%	18	2%	3	5%	83	2%	54	2%	34	3%	3	3%	270	2%
White	4,177	88%	953	89%	49	78%	3,938	91%	3,023	81%	1,096	95%	84	0%	13,393	89%
Not Reported	261	6%	42	4%	6	10%	188	4%	102	3%	98	7%	1	1%	698	5%
Total	4,722		1,076		63		4,343		3,307		1,348		88		15,023	

NOTE: Percentages are the proportion of awards for each column. "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-39: Awards by Ethnicity/Race and Award Type: 2006

	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Total							
American Indian	27	1%	4	0%	0	0%	21	0%	22	1%	5	0%	0	0%	79	1%
Asian	60	1%	11	1%	0	0%	37	1%	24	1%	17	1%	1	2%	151	1%
Black	134	3%	24	2%	2	3%	79	2%	59	2%	70	6%	0	0%	369	3%
Hispanic	107	2%	20	2%	3	5%	58	1%	48	2%	34	3%	0	0%	272	2%
White	4,092	88%	993	90%	54	90%	3,888	91%	2,774	0%	947	0%	49	96%	12,883	89%
Not Reported	241	5%	54	5%	1	2%	176	4%	112	4%	92	8%	1	2%	679	5%
Total	4,661		1,106		60		4,259		3,039		1,165		51		14,433	

NOTE: Percentages are the proportion of awards for each column. "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-40: Awards by Ethnicity/Race and Award Type: 2007

	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Total									
American Indian	21	0%	7	1%	0	0%	0	0%	24	1%	23	1%	5	0%	0	0%	80	1%
Asian	73	2%	19	2%	1	1%	2	4%	52	1%	30	1%	14	1%	1	1%	192	1%
Black	140	3%	34	3%	9	13%	0	0%	79	2%	61	2%	58	5%	2	2%	383	3%
Hispanic	133	3%	15	1%	2	3%	0	0%	96	2%	44	1%	40	3%	4	5%	334	2%
White	4,055	87%	923	88%	58	81%	48	92%	3,910	89%	2,779	0%	1,022	84%	71	87%	12,866	88%
Not Reported	261	6%	55	5%	2	3%	2	4%	237	5%	118	4%	82	7%	4	5%	761	5%
Total	4,683		1,053		72		52		4,398		3,055		1,221		82		14,616	

NOTE: Percentages are the proportion of awards for each column. "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-41: Awards by Ethnicity/Race and Award Type: 2008

	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Total									
American Indian	24	0%	5	0%	1	1%	0	0%	22	0%	14	0%	4	0%	0	0%	70	0%
Asian	62	1%	26	1%	0	0%	0	0%	46	1%	27	1%	23	1%	1	1%	185	1%
Black	128	1%	28	1%	6	4%	1	1%	76	1%	67	1%	54	2%	0	0%	360	3%
Hispanic	107	1%	23	1%	2	1%	2	2%	105	1%	56	1%	53	2%	0	0%	348	2%
White	3,973	45%	984	45%	66	43%	53	47%	4,077	46%	2,417	46%	1,084	43%	39	49%	12,693	88%
Not Reported	257	3%	46	2%	3	2%	1	1%	201	2%	108	2%	112	4%	0	0%	728	5%
Total	8,845		2,178		153		113		8,853		5,270		2,548		80		14,384	

NOTE: Percentages are the proportion of awards for each column. "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 6-42: Awards by Ethnicity/Race and Award Type: 2009

	AA	AS	AGS	AAA	AAS	Diploma	Certificate	Other	Total							
American Indian	24	0%	5	0%	0	0%	20	0%	24	1%	76	1%				
Asian	55	1%	27	2%	0	0%	51	1%	30	1%	16	2%	1	3%	180	1%
Black	153	3%	37	3%	3	5%	84	2%	49	2%	37	4%	2	5%	368	3%
Hispanic	139	3%	27	2%	1	2%	88	2%	60	2%	38	4%	0	0%	354	2%
White	4,102	85%	965	83%	69	78%	4,040	88%	2,319	89%	797	81%	35	88%	12,389	86%
Not Reported	344	7%	104	9%	15	17%	304	7%	113	4%	87	9%	3	8%	978	7%
Total	4,817		1,165		88		4,587		2,595		978		41		14,345	

Note: Percentages are the proportion of awards for each column. "Not Reported" includes students without no responses and students reported with unknown race/ethnicity.

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

7

CREDIT PROGRAMS

Community colleges are required to obtain approval from the Iowa Department Education for all programs that are offered by community colleges. All 15 colleges have approval to offer arts and sciences programs. These two-year Associate of Arts or Associate of Science degree programs prepare students to enter a four-year college or university as a junior. Some of the pre-professional program majors available at Iowa community colleges are identified in Figure 7-1, however, specific information on pre-professional majors is maintained by the community colleges.

Approval of Career and Technical Education (CTE) programs must be obtained for each program a community college offers. Iowa structures CTE programs around career clusters which are listed in Figure 7-2. These national career clusters are comprised of 16 individual groupings, or career clusters, of occupations/career specialties that can be used to organize curriculum and instruction. Occupations/career specialties are grouped into the career clusters based on a common set of knowledge and skills that are needed for career success. The knowledge and skills represented by career clusters

Figure 7-1: Pre-Professional Program Major Areas

Agriculture	Physical Therapy
Education	Pre-Dentistry
Nursing	Math
Architecture	Science
Engineering	Design
Pre-Pharmacy	Pre-Medicine
Business	Social Science
Pre-Law	

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Figure 7-2: National Career Clusters (16)



SOURCE: Iowa Department of Education, Bureau of Community College Services; State's Career Cluster Initiative.

prepare learners for a full range of occupations/career specialties, focusing on the holistic, polished blend of technical, academic and employability knowledge and skills.

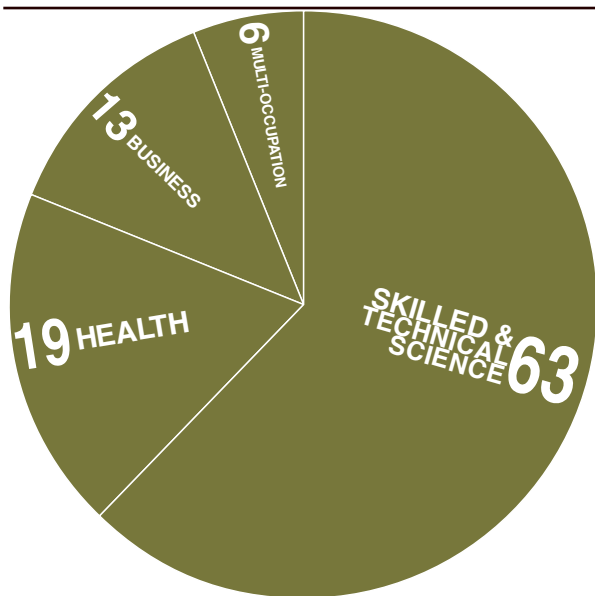
New Credit Programs

Table 7-1 indicates that in fiscal year 2009, the Director of the Department of Education approved 16 new career and technical education programs for nine community colleges. Four (4) programs were developed in health science, three programs were developed in architecture and construction, two programs were developed in law, public safety and security, two programs were developed in arts, A/V technology and communications, two programs were developed in science, technology, engineering and mathematics, one program was developed in business, management and administration, and one program was developed in marketing, sales and service (Figure 7-3).

Each of the 16 national career clusters are categorized into one of seven service areas that are recognized within Iowa. Figure 7-3 illustrates the new programs developed in fiscal year 2009 by these six service areas.

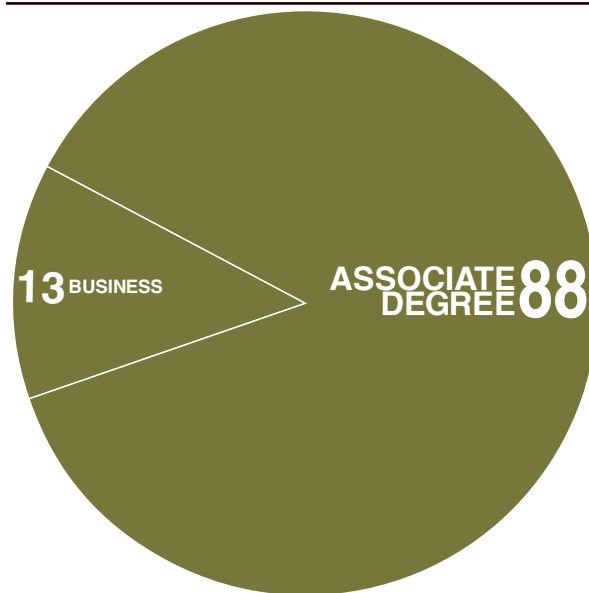
Figure 7-4 indicates that 88 percent (14 total) of the

Figure 7-3: New Credit Career and Technical Education Programs by Service Area: 2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 7-1.

Figure 7-4: New Credit Career and Technical Education Programs by Award Type: 2009



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 7-1.

new career and technical programs offered an associate degree. Only 13 percent (2 total) of programs offered a diploma award.

New Credit Programs

During 2009 Iowa community colleges offered 688 programs with 1,217 award options. Iowa community colleges offered 236 unique technical programs in a variety of careers (Table 7-2).

CREDIT CAREER AND TECHNICAL PROGRAMS
ASSOCIATE DEGREE PROGRAMS:
SIX-HUNDRED ONE

DIPLOMA PROGRAMS:
THREE-HUNDRED FIFTY-NINE

CERTIFICATE PROGRAMS:
TWO-HUNDRED FIFTY-NINE

Table 7-1: New Career and Technical Programs: 2009

College	Program Title	Federal Cluster/State Cluster
Northeast Iowa	Fire Science/Firefighting Technology	Law, Public Safety and Security/Industrial Technology
	Cosmetology/Cosmetologist Entrepreneurial Technology	Health Science/Industrial Technology
North Iowa Area	Personal Health Improvement	Health Science/Health
Iowa Lakes	No New Programs	
Northwest	Commercial Photography Technology	Arts, A/V Technology and Communications/Industrial Technology
Iowa Central	Engineering Technology	Science, Technology, Engineering and Mathematics/Industrial Technology
Iowa Valley	No New Programs	
Hawkeye	No New Programs	
Eastern Iowa	Sustainable Energy Systems	Architecture and Construction/Industrial Technology
Kirkwood	No New Programs	
Des Moines Area	Pharmacy Technician	Health Science/Health
	Ophthalmic Technician/Technologist	Health Science/Health
Western Iowa Tech	Business Administration Management	Business, Management and Administration/Business
	Legal Assistant/Paralegal	Law, Public Safety and Security/Business
	Animation, Interactive and Video Graphics	Arts, A/V Technology and Communications/Industrial Technology
	Sustainable Energy Systems	Architecture and Construction/Industrial Technology
Iowa Western	No New Programs	
Southwestern	No New Programs	
Indian Hills	Construction Technology	Architecture and Construction/Industrial Technology
Southeastern	Welding Technology	Manufacturing/Industrial Technology
	Fire Science/Firefighting Technology	Law, Public Safety and Security/Industrial Technology
	Multi-interdisciplinary occupations	Science, Technology, Engineering and Mathematics/Multi Occupation

NOTE: Table represents programs received and approved between 7/1/08 through 7/1/09

SOURCE: Iowa Department of Education, Bureau of Community Colleges.

Table 7-2: Number of offered Career and Technical Programs: 2009

College	AAA	AAS	ASCO	Certificate	Diploma	Total
Northeast		36	2	23	30	91
North Iowa Area		19	16	6	18	59
Iowa Lakes		19	22	5	25	71
Northwest		19	4	1	13	37
Iowa Central		29	6	4	16	55
Iowa Valley		19	18	5	21	63
Hawkeye	3	36		7	21	67
Eastern Iowa		49	1	51	28	129
Kirkwood		60	13	19	36	128
Des Moines Area		42	18	56	37	153
Western Iowa Tech		44	2	69	45	160
Iowa Western		33	1	7	14	55
Southwestern	1	11	4	1	9	26
Indian Hills		27		2	29	58
Southeastern		39	7	2	16	64
TOTAL	4	482	114	258	358	1216

Numbers include both standalone programs and program options.

AAA = Associate of Applied Arts

AAS = Associate of Applied Sciences

ASCO = Associate of Sciences, Career Option

Source: Iowa Department of Education, Bureau of Community Colleges, Community College MIS.

8

NON-CREDIT ENROLLMENT AND PROGRAMS

Non-credit programs include a variety of instructional offerings including personal and academic basic skill development, skill development for preparation of individuals entering the workforce, technical courses directly related to specific industry-based work opportunities, and courses to pursue special interests.

In fiscal year 2009, 297,055 individuals (unduplicated) participated in non-credit programs and courses. Enrollment increased, for the second year in fiscal year 2009, by 2.8 percent (Figure 8-1) after three years of decline by nearly one percent annually. As enrollment increased in fiscal year 2009, total contact hours declined by 1.6 percent from fiscal year 2008 (Figure 8-2). Over the past five years, non-credit contact hours have decreased an average of 0.3 percent annually.

To ensure consistency in non-credit data reporting, reporting standards were significantly modified in fiscal year 2004 preventing consistent comparisons with prior years.

NON-CREDIT ENROLLMENT

NUMBER OF STUDENTS: **297,055** GROWTH SINCE LAST YEAR: **↑ 2.8%**

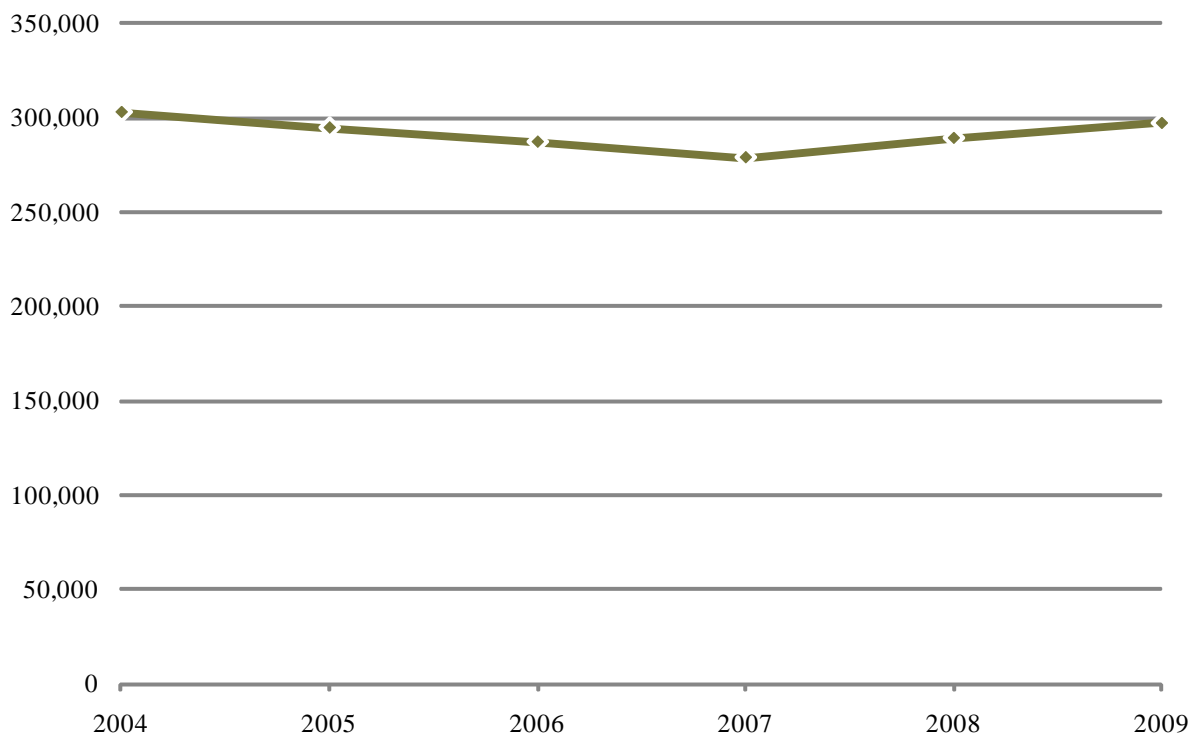
CONTACT HOURS: **8,727,787** CONTACT HOURS PER STUDENT: **29.4**
Down 1.6% since 2008. Down 1.3 hours since 2008.

Online Non-Credit Courses

In fiscal year 2009, student enrollment in online courses increased 41 percent from fiscal year 2008 and the number of instances of non-credit courses being taken online increased 27 percent (Table 8-16).

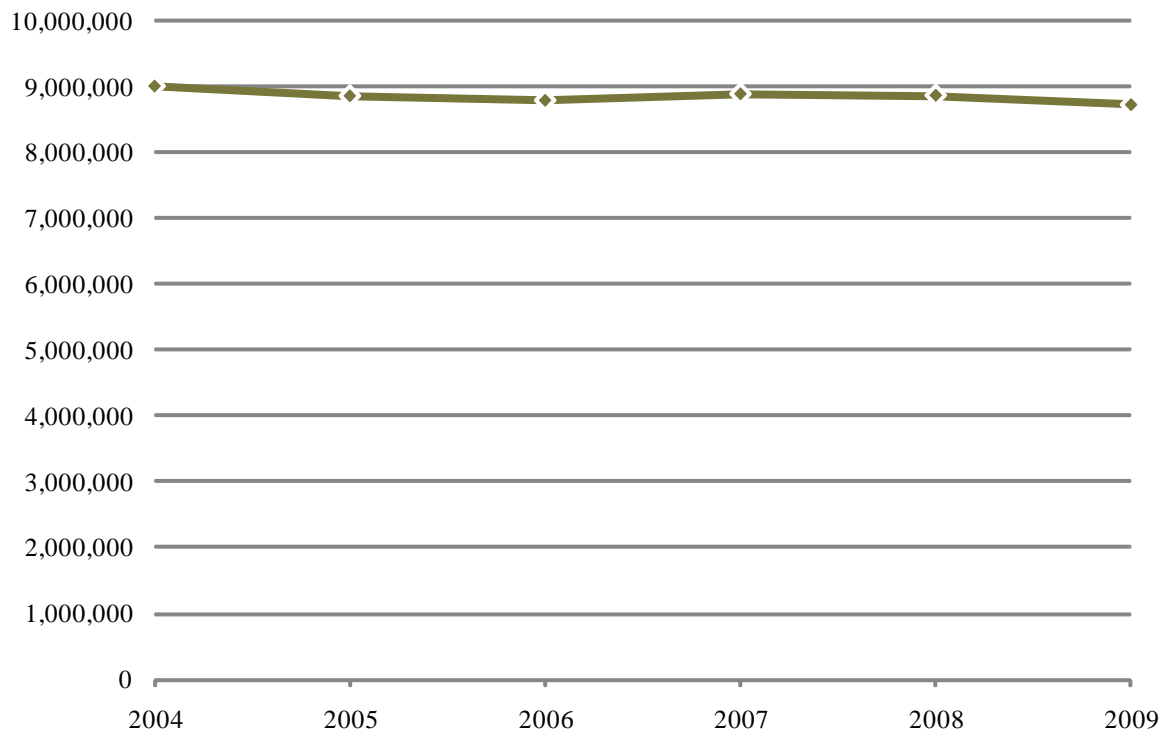
The use of the online delivery for non-credit coursework appears to be limited. Only 1.7 percent of non-credit contact hours were delivered online in fiscal

Figure 8-1: Fiscal Year Non-Credit Enrollment: 2004-2009



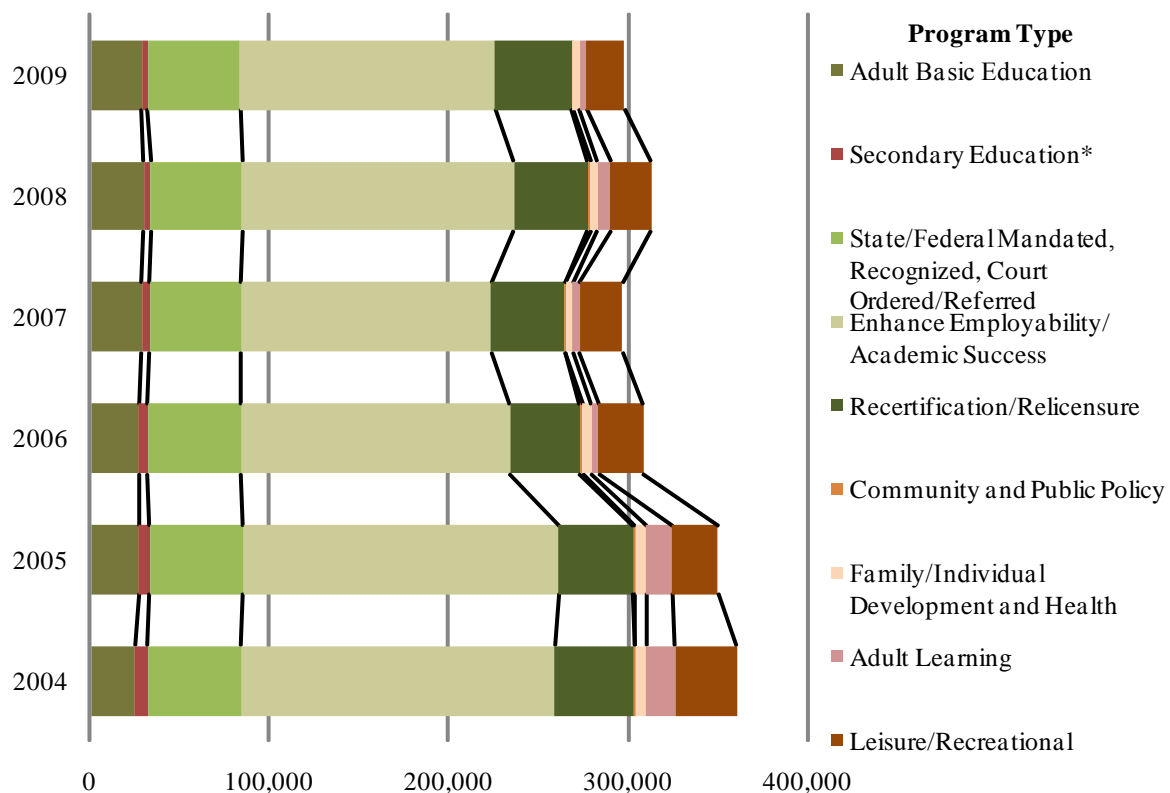
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 8-1.

Figure 8-2: Fiscal Year Non-Credit Contact Hours: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 8-2.

Figure 8-3: Non-Credit Enrollment by Program Type: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 8-3.

year 2009. Approximately 3.5 percent of individuals enrolled in non-credit coursework enrolled in some coursework delivered entirely online.

Non-Credit Students in Programs

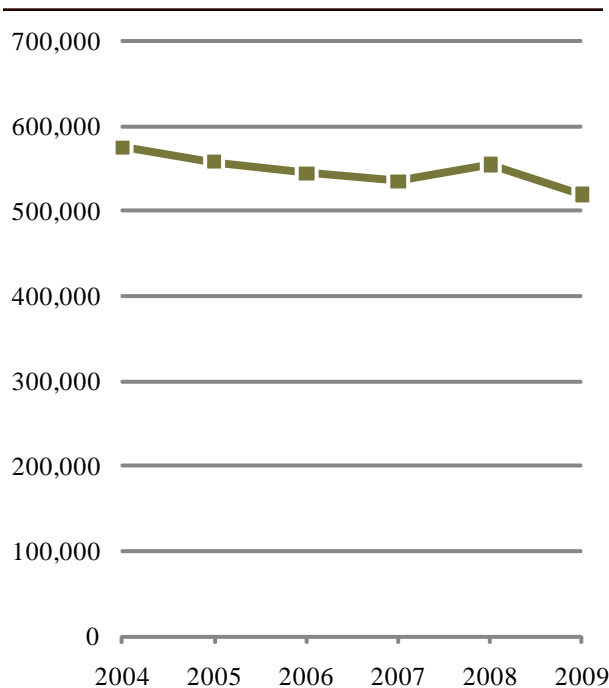
Enrollment in non-credit programs is disaggregated into several program categories (Figure 8-3). The largest of these categories consists of non-credit courses designed to enhance students' employability or academic success. More than 47 percent of students enrolled in non-credit coursework in this category which includes: career/vocational training and upgrading programs, apprenticeship programs, economic development programs, re-certification/re-licensure courses, and corrections education programs. Courses under the category of "enhance employability" are designed for the specific purpose of upgrading the skills of persons presently employed and the retraining of persons for new employment. Courses under the category of "academic success" are designed for the advancement of individuals' knowledge in traditional educational studies. Enrollment in courses within the "enhance employability and academic success" category decreased 2.9 percent annually from fiscal years 2004 to 2007. After an increase of 8.6 percent in fiscal year 2008, enrollment in this category again decreased by 6.3 percent in fiscal year 2009. See Section 9, Adult Literacy; Section 10, Economic Development; and Section 11, Apprenticeship for more information.

The second largest category of non-credit enrollment includes programs/courses that are state or federally-mandated, state-recognized, or court ordered/referred. Approximately 17 percent of non-credit students enrolled in programs within this category. Courses within this category include the Iowa Course for Drinking Drivers, driver improvement courses, community rehabilitation programs, used auto dealer training, mine safety and health courses, various vehicle operator training courses, and much more. Enrollment in courses within this category has been steady with only a slight decrease over the past five years.

The Iowa Course for Drinking Drivers is the state-mandated 12-hour instructional course for drinking drivers convicted of driving while under the influence of drugs and/or alcohol. Iowa community colleges and private providers licensed through the Iowa Department of Public Health offer the state-approved program. Enrollment in drinking driver education courses increased 2.6 percent in fiscal year 2009 (Figure 8-5). Over the past five years, enrollment in the courses has decreased an average of .1 percent annually.

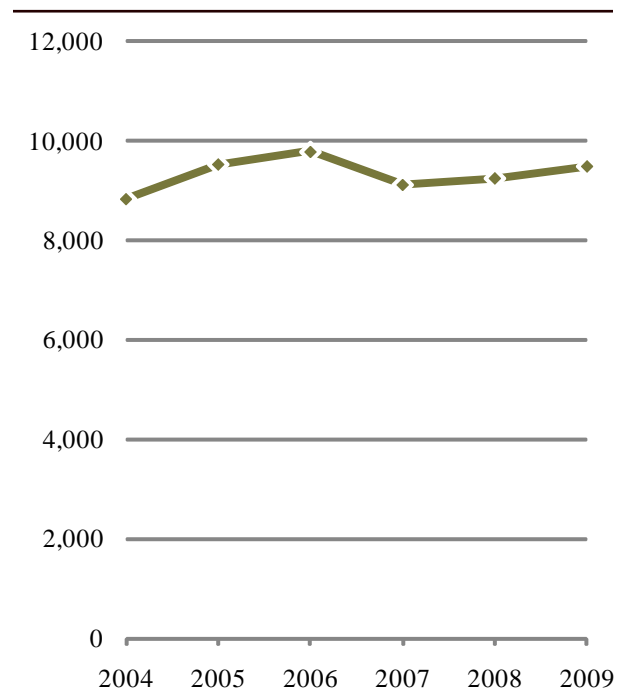
Iowa Course for Driver Improvement (DIP) is the state-mandated course designed for persons who have committed a serious violation of a motor vehicle law in Iowa. Iowa community colleges provide the program with the assistance from the Iowa Department of Transportation. Enrollment in the program decreased an average of 4.5 percent annually from fiscal year 2005

Figure 8-4: Non-Credit Courses Delivered: 2004-2009



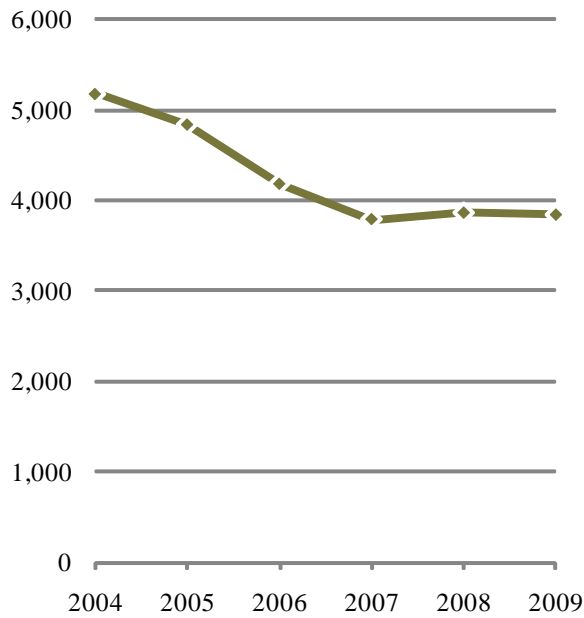
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 8-4.

Figure 8-5: Iowa Drinking Driver Course Enrollment: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 8-4.

Figure 8-6: Iowa Driver Improvement Program Enrollment: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 8-4.

to fiscal year 2009 after decreasing 3.6 percent in fiscal year 2008 and increasing 5.1 percent in fiscal year 2009 (Figure 8-6).

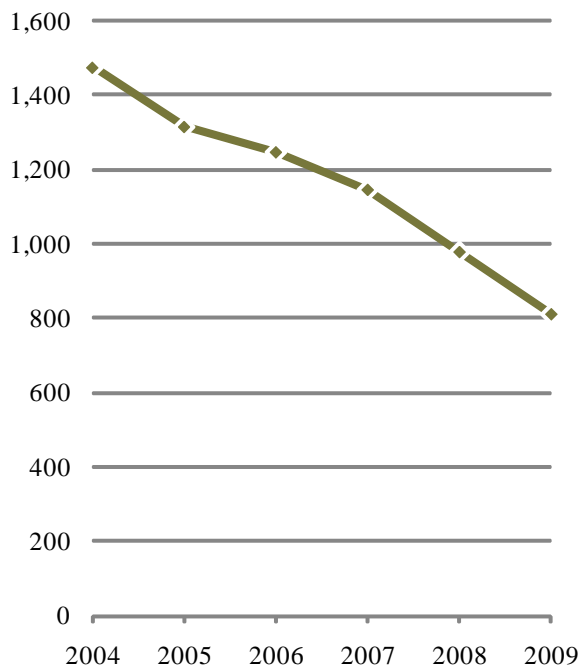
Iowa community colleges also deliver education programs for people in community rehabilitation centers (sheltered workshops). Enrollment in these programs has decreased sharply over the past five years—down an average of 9.2 percent annually (Figure 8-7).

The Iowa Department of Education administers a federal grant from the U.S. Department of Labor and Mine Safety and Health Administration (MSHA), which provides funds for training and services delivered to mine owners/operators/contractors in the state of Iowa. Enrollment in community college-delivered mine safety programs decreased an average of one percent annually from fiscal year 2005 to fiscal year 2009 after an increase of 16.2 percent in fiscal year 2008 and a decrease of 15.7 percent in 2009 (Figure 8-8). Total contact hours decreased by 13.2 percent in fiscal year 2009.

Non-Credit Corrections Enrollment

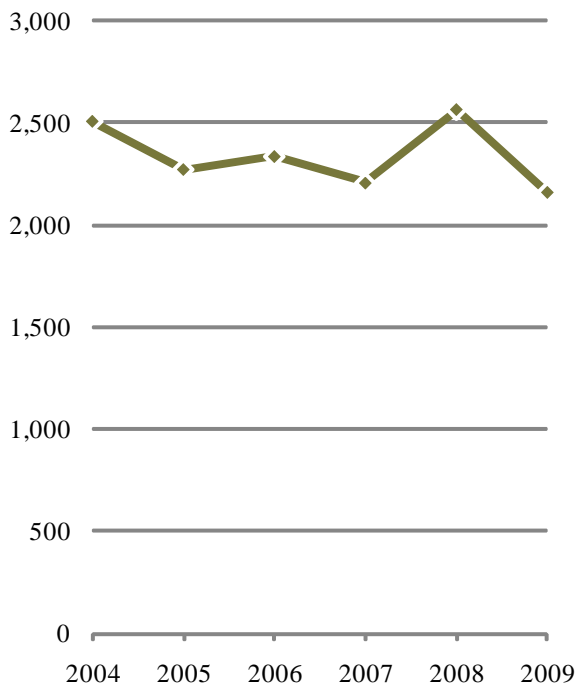
Iowa community colleges deliver credit and noncredit coursework to residents of correctional institutions to enhance the life skills and academic and/or employability success of criminal offenders. While enrollment of these individuals in credit coursework is limited, 2,619 residents of correctional institutions enrolled in noncredit coursework in fiscal year 2009. Enrollment decreased 59 percent over fiscal year 2008 and has declined over the past three years—down an average of 15.6 percent from fiscal year 2007.

Figure 8-7: Community Rehabilitation Program (Sheltered Workshops) Enrollment: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 8-4.

Figure 8-8: Mine Safety and Health Administration (MSHA) Program Enrollment: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 8-4.

Table 8-1: Non-Credit Enrollment, by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	26,929	21,399	22,340	20,295	21,429	-4.5%
North Iowa Area	21,420	20,121	20,047	19,748	19,941	-1.4%
Iowa Lakes	5,354	4,968	4,395	4,865	5,073	-1.1%
Northwest	12,073	13,455	12,690	13,786	14,008	3.0%
Iowa Central	22,584	19,207	19,722	25,658	25,787	2.7%
Iowa Valley	14,493	17,403	13,002	13,057	13,057	-2.1%
Hawkeye	17,734	16,431	15,149	14,639	14,639	-3.8%
Eastern Iowa	30,709	30,641	31,320	31,989	33,889	2.0%
Kirkwood	44,202	40,286	39,007	42,110	43,507	-0.3%
Des Moines Area	30,764	32,029	32,883	32,394	32,394	1.0%
Western Iowa Tech	16,374	16,917	15,435	16,846	17,007	0.8%
Iowa Western	22,036	21,429	20,598	24,336	25,085	2.6%
Southwestern	8,298	8,778	8,937	8,103	9,641	3.0%
Indian Hills	14,749	16,192	15,733	14,378	14,378	-0.5%
Southeastern	6,949	7,817	7,478	6,894	7,220	0.8%
Total	294,668	287,073	278,736	289,098	297,055	0.2%

NOTE: Each bar “|” denotes 2,000 contact hours.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-2: Non-Credit Contact Hours, by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	480,038	452,779	477,063	406,079	490,375	0.4%
North Iowa Area	611,293	529,301	501,518	478,374	458,469	-5.6%
Iowa Lakes	112,813	103,098	91,019	96,022	98,495	-2.7%
Northwest	296,682	340,572	290,962	260,135	229,925	-5.0%
Iowa Central	635,348	602,203	752,534	752,065	713,998	2.4%
Iowa Valley	505,230	502,623	422,006	394,873	366,010	-6.2%
Hawkeye	467,855	440,947	401,816	385,815	359,783	-5.1%
Eastern Iowa	1,044,714	1,050,864	1,041,366	1,097,169	1,141,223	1.8%
Kirkwood	1,460,374	1,366,373	1,283,473	1,365,022	1,495,258	0.5%
Des Moines Area	1,500,789	1,564,776	1,832,972	1,757,579	1,494,319	-0.1%
Western Iowa Tech	390,898	388,028	377,072	411,155	442,494	2.5%
Iowa Western	563,279	544,083	516,127	544,580	552,018	-0.4%
Southwestern	196,445	211,212	207,822	213,871	222,656	2.5%
Indian Hills	384,168	377,074	332,662	304,986	304,962	-4.5%
Southeastern	209,416	319,372	360,142	400,487	355,793	11.2%
Total	8,859,341	8,793,304	8,888,555	8,868,212	8,727,787	-0.3%

NOTE: Each bar “|” denotes 2,000 contact hours.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-3: Non-Credit Courses Delivered, by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	48,681	34,480	34,836	32,177	34,762	-6.5%
North Iowa Area	77,230	72,464	74,792	79,402	71,837	-1.4%
Iowa Lakes	8,180	7,725	6,903	7,293	6,755	-3.8%
Northwest	25,753	27,807	25,617	25,845	25,310	-0.3%
Iowa Central	36,765	31,940	33,425	42,798	37,227	0.3%
Iowa Valley	28,459	31,590	25,255	25,216	22,820	-4.3%
Hawkeye	34,986	30,575	28,455	28,355	26,750	-5.2%
Eastern Iowa	54,237	52,140	56,355	59,419	53,977	-0.1%
Kirkwood	73,950	69,543	64,042	70,113	58,364	-4.6%
Des Moines Area	46,798	49,307	56,753	53,411	47,803	0.4%
Western Iowa Tech	29,538	32,572	28,100	30,009	33,409	2.5%
Iowa Western	37,648	38,881	36,124	40,947	40,455	1.4%
Southwestern	18,875	21,732	22,936	21,935	20,671	1.8%
Indian Hills	25,576	30,146	29,089	25,631	27,967	1.8%
Southeastern	11,268	13,725	12,368	12,481	11,478	0.4%
Total	557,944	544,627	535,050	555,032	519,585	-1.4%

NOTE: Each bar "I" denotes 5,000 classes.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-4: Non-Credit Enrollment by Program Type: 2005-2009

Program Type	2005	2006	2007	2008	2009	Average Change 2005-2009
Adult Basic Education	27,368	27,153	29,018	29,931	28,827	1.0%
Secondary Education	6,132	5,171	4,358	3,884	3,762	-9.3%
State/Federal Mandated, Recognized, Court Ordered/Referred	52,182	52,321	51,099	51,340	51,425	-0.3%
Enhance Employability/Academic Success	175,798	149,711	139,160	151,091	141,576	-4.2%
Recertification/Relicensure	41,480	38,565	40,957	41,452	42,506	0.5%
Community and Public Policy	1,265	1,577	912	1,158	755	-9.8%
Family/Individual Development and Health	6,049	5,304	3,394	3,906	3,591	-9.9%
Adult Learning	14,074	3,946	4,312	7,227	4,118	-21.8%
Leisure/Recreational	25,623	24,645	23,917	22,856	21,012	-3.9%
Total	349,971	308,393	297,127	312,845	299,581	-3.1%

NOTE: Each bar "I" denotes 2,500 contact hours.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-5: Non-Credit Enrollment by Program Type by College: 2005

College	Adult Basic Education	Secondary Education	State/Federal Mandated, Recognized, Court Ordered/ Referred	Enhance Employment/Academic Success	Relicensure	Community and Public Policy	Family/Individual Development and Health	Adult Learning	Leisure/Recreational	Total
Northeast Iowa	1,266	165	4,206	20,130	0	0	655	3,212	1,704	31,338
North Iowa Area	1,565	30	2,347	15,037	6,225	23	1,967	5,082	1,631	33,907
Iowa Lakes	392	107	1,310	2,417	1,210	0	443	145	130	6,154
Northwest	1,079	170	1,930	8,412	2,827	0	82	0	988	15,488
Iowa Central	1,872	146	3,092	17,058	0	0	278	1,859	2,113	26,418
Iowa Valley	1,454	345	1,764	8,359	2,057	649	488	1,623	1,504	18,243
Hawkeye	1,505	250	3,588	14,360	0	24	38	139	862	20,766
Eastern Iowa	3,107	380	4,950	18,134	3,287	93	1,085	79	3,402	34,517
Kirkwood	2,585	2,543	8,115	23,986	4,125	0	0	598	8,513	50,465
Des Moines Area	4,912	1,940	9,619	12,303	3,503	49	361	60	272	33,019
Western Iowa Tech	1,427	0	2,467	9,431	4,253	0	8	123	1,356	19,065
Iowa Western	2,229	0	3,408	7,692	8,634	101	238	859	1,634	24,795
Southwestern	610	0	1,188	5,897	1,628	166	143	94	108	9,834
Indian Hills	2,215	56	2,375	8,873	3,174	160	218	485	807	18,363
Southeastern	1,150	0	1,823	3,709	557	0	45	16	599	7,899
Total	27,368	6,132	52,182	175,798	41,480	1,265	6,049	14,374	25,623	350,271
% of Total	7.8%	1.8%	14.9%	50.2%	11.8%	0.4%	1.7%	4.1%	7.3%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-6: Non-Credit Enrollment by Program Type by College: 2006

College	Adult Basic Education	Secondary Education	State/Federal Mandated, Recognized, Court Ordered/ Referred	Enhance Employment/Academic Success	Relicensure	Community and Public Policy	Family/Individual Development and Health	Adult Learning	Leisure/Recreational	Total
Northeast Iowa	1,120	205	4,573	15,424	0	0	194	593	1,256	23,365
North Iowa Area	1,904	22	2,331	13,089	5,868	0	1,404	489	1,533	26,640
Iowa Lakes	340	66	1,211	2,292	1,260	0	254	61	125	5,609
Northwest	1,067	153	1,982	10,336	1,151	0	175	3	1,546	16,413
Iowa Central	1,724	127	2,787	14,330	0	60	345	265	274	19,912
Iowa Valley	1,505	312	1,832	9,678	1,517	794	644	354	2,739	19,375
Hawkeye	1,390	298	3,601	9,120	0	21	1	404	734	15,569
Eastern Iowa	3,082	458	5,052	15,898	1,676	233	804	102	3,626	30,931
Kirkwood	2,823	1,875	7,648	14,858	3,471	0	0	760	7,226	38,661
Des Moines Area	4,492	1,633	9,513	10,477	3,842	0	457	15	280	30,709
Western Iowa Tech	1,219	0	2,384	9,594	4,248	0	245	0	1,257	18,947
Iowa Western	2,177	0	3,416	7,711	8,533	168	192	561	1,784	24,542
Southwestern	513	0	1,371	4,813	2,377	137	98	133	785	10,227
Indian Hills	2,056	22	2,909	8,981	4,021	164	152	202	883	19,390
Southeastern	1,741	0	1,711	3,110	601	0	69	4	597	7,833
Total	27,153	5,171	52,321	149,711	38,565	1,577	5,034	3,946	24,645	308,123
% of Total	8.8%	1.7%	17.0%	48.6%	12.5%	0.5%	1.6%	1.3%	8.0%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-7: Non-Credit Enrollment by Program Type by College: 2007

College	Adult Basic Education	Secondary Education*	State/Federal Mandated, Recognized, Court Ordered/ Referred	Enhance Employment/Academic Success	Relicensure	Community and Public Policy	Family/Individual Development and Health	Adult Learning	Leisure/Recreational	Total
Northwest Iowa	1,023	202	4,727	17,124	0	21	62	484	1,052	24,695
North Iowa Area	1,836	28	2,793	13,692	5,589	0	962	20	1,504	26,424
Iowa Lakes	322	75	1,044	1,609	1,445	0	139	62	101	4,797
Northwest	1,055	116	1,576	9,539	2,022	0	20	0	674	15,002
Iowa Central	2,128	136	2,691	12,762	0	0	45	0	2,406	20,168
Iowa Valley	1,412	177	1,894	6,536	1,822	548	537	456	1,530	14,912
Hawkeye	1,299	236	3,590	8,307	0	0	0	189	597	14,218
Eastern Iowa	2,900	492	5,332	16,017	1,492	89	414	176	3,742	30,654
Kirkwood	2,950	1,586	7,243	13,874	2,414	0	106	2,269	6,588	37,030
Des Moines Area	6,288	1,274	9,427	9,862	4,687	0	536	1	293	32,368
Western Iowa Tech	1,303	0	2,293	8,104	3,762	25	181	0	1,688	17,356
Iowa Western	1,867	0	3,502	5,398	9,297	192	221	423	1,870	22,770
Southwestern	440	0	1,476	4,424	3,236	0	16	147	619	10,358
Indian Hills	1,931	36	2,256	9,106	4,621	37	129	85	711	18,912
Southeastern	2,264	0	1,255	2,806	570	0	26	0	542	7,463
Total	29,018	4,358	51,099	139,160	40,957	912	3,394	4,312	23,917	297,127
% of Total	9.8%	1.5%	17.2%	46.8%	13.8%	0.3%	1.1%	1.5%	8.0%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-8: Non-Credit Enrollment by Program Type by College: 2008

College	Adult Basic Education	Secondary Education	State/Federal Mandated, Recognized, Court Ordered/ Referred	Enhance Employment/ Academic Success	Relicensure	Community and Public Policy	Family/Individual Development and Health	Adult Learning	Leisure/Recreational	Total
Northeast Iowa	825	191	4,890	14,562	0	57	93	1,209	874	22,701
North Iowa Area	1,464	23	2,330	14,785	6,347	0	0	9	1,971	26,929
Iowa Lakes	387	101	1,210	2,205	1,178	0	148	47	139	5,415
Northwest	906	0	1,803	8,867	2,049	0	70	0	1,445	15,140
Iowa Central	2,165	53	2,718	18,419	0	0	305	0	2,444	26,104
Iowa Valley	1,095	79	1,889	5,664	1,780	822	1,326	488	1,249	14,392
Hawkeye	1,099	213	3,453	5,330	0	0	0	294	627	11,016
Eastern Iowa	2,986	299	5,427	16,482	1,447	94	670	155	3,041	30,601
Kirkwood	3,764	1,690	6,774	22,302	2,254	0	109	4,249	6,193	47,335
Des Moines Area	7,536	1,159	9,323	9,857	3,333	0	766	6	254	32,234
Western Iowa Tech	1,454	0	2,581	8,878	4,313	0	188	0	1,622	19,036
Iowa Western	1,785	0	3,508	7,656	11,163	50	19	734	1,935	26,850
Southwestern	437	0	1,614	4,295	3,410	7	0	14	38	9,815
Indian Hills	1,613	36	2,569	9,023	3,602	128	151	22	623	17,767
Southeastern	2,415	0	1,251	2,766	576	0	61	0	401	7,470
Total	29,931	3,844	51,340	151,091	41,452	1,158	3,906	7,227	22,856	312,805
% of Total	9.6%	1.2%	16.4%	48.3%	13.3%	0.4%	1.2%	2.3%	7.3%	100.0%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-9: Non-Credit Enrollment by Program Type by College: 2009

College	Adult Basic Education	Secondary Education	State/Federal Mandated, Recognized, Court Ordered/ Referred	Enhance Employment/Academic Success	Recertification/ Relicensure	Community and Public Policy	Family/Individual Development and Health	Adult Learning	Leisure/Recreational	Total
Northeast Iowa	1,267	196	4,491	15,368	0	87	69	850	963	23,291
North Iowa Area	1,276	20	2,418	13,380	6,342	0	379	37	2,222	26,074
Iowa Lakes	410	61	1,179	1,728	1,307	0	242	10	110	5,047
Northwest	917	0	1,567	9,269	2,140	0	20	0	985	14,898
Iowa Central	2,200	23	2,686	15,549	0	0	21	0	758	21,237
Iowa Valley	1,111	59	1,892	5,408	1,928	396	559	501	1,138	12,992
Hawkeye	1,072	198	3,444	7,772	0	0	0	306	540	13,332
Eastern Iowa	3,401	302	5,319	16,948	1,729	61	439	290	3,314	31,803
Kirkwood	4,291	1,669	6,901	16,409	2,366	0	0	1,795	6,438	39,869
Des Moines Area	5,177	1,202	10,531	9,042	3,297	0	778	19	217	30,263
Western Iowa Tech	1,505	0	2,652	8,314	4,515	76	568	0	1,730	19,360
Iowa Western	1,890	0	3,215	6,620	11,367	0	196	253	1,638	25,179
Southwestern	516	0	1,465	4,153	3,073	0	0	42	1	9,250
Indian Hills	1,641	32	2,611	9,312	3,848	135	307	15	527	18,428
Southeastern	2,153	0	1,054	2,664	594	0	13	0	431	6,909
Total	28,827	3,762	51,425	141,936	42,506	755	3,591	4,118	21,012	297,932
% of Total	9.68%	1.26%	17.26%	47.64%	14.27%	0.25%	1.21%	1.38%	7.05%	100.00%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-10: Iowa Course for Drinking Driving Enrollment and Contact Hours (Provided by Community Colleges): 2005-2009

College	2005		2006		2007		2008		2009		Average Change 2005-2009	
	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours
Northeast Iowa	428	6,384	354	5,198	300	4,349	285	4,176	214	3,154	-12.9%	-13.2%
North Iowa Area	0	0	0	0	0	0	0	0	0	0	--	--
Iowa Lakes	333	4,008	246	2,952	274	3,288	283	3,396	289	4,161	-2.8%	0.8%
Northwest	165	2,178	176	2,336	144	1,901	149	1,967	76	1,048	-14.4%	-13.6%
Iowa Central	413	5,669	433	6,250	335	4,838	413	5,962	386	5,558	-1.3%	-0.4%
Iowa Valley	240	3,456	211	3,067	193	2,779	209	3,024	171	2,476	-6.6%	-6.5%
Hawkeye	696	13,668	677	13,187	665	12,267	550	10,474	548	10,587	-4.7%	-5.0%
Eastern Iowa	700	9,346	708	9,398	739	9,808	743	9,860	840	11,154	3.7%	3.6%
Kirkwood	2,636	53,964	2,751	62,514	2,249	51,036	2,221	49,808	2,256	44,796	-3.1%	-3.7%
Des Moines Area	2,454	69,437	2,786	80,371	2,703	80,755	2,899	85,430	3,237	101,006	5.7%	7.8%
Western Iowa Tech	298	4,334	365	5,270	343	4,954	415	5,990	418	6,019	7.0%	6.8%
Iowa Western	493	7,128	476	6,854	568	8,208	536	7,733	500	7,200	0.3%	0.2%
Southwestern	214	3,096	199	2,866	207	3,010	199	2,866	207	2,995	-0.7%	-0.7%
Indian Hills	265	3,180	272	3,264	287	3,444	271	3,456	269	3,228	0.3%	0.3%
Southeastern	202	2,424	135	1,782	118	1,558	84	1,109	87	1,161	-15.5%	-13.7%
Total	9,537	188,272	9,789	205,310	9,125	192,193	9,257	195,251	9,498	204,543	-0.1%	1.7%

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-11: Iowa Course for Driver Improvement Enrollment and Contact Hours: 2005-2009

College	2005		2006		2007		2008		2009		Average Change 2005-2009	
	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours
Northeast Iowa	271	2,530	211	2,045	202	1,949	197	1,901	176	1,690	-8.3%	-7.8%
North Iowa Area	142	1,363	91	874	123	1,190	83	797	130	1,248	-1.8%	-1.8%
Iowa Lakes	80	640	76	608	43	344	63	504	42	403	-12.1%	-8.8%
Northwest	108	959	103	906	93	818	75	660	88	774	-4.0%	-4.2%
Iowa Central	176	1,408	164	1,574	136	1,306	123	1,181	113	1,085	-8.5%	-5.1%
Iowa Valley	137	1,315	123	1,181	109	1,046	93	893	135	1,296	-0.3%	-0.3%
Hawkeye	348	3,071	309	2,728	267	2,327	244	2,075	221	1,856	-8.7%	-9.6%
Eastern Iowa	476	4,198	429	3,784	431	3,793	406	3,573	436	3,846	-1.7%	-1.7%
Kirkwood	736	6,503	669	5,905	556	4,893	486	4,277	490	4,287	-7.8%	-8.0%
Des Moines Area	1,374	14,170	1,117	11,491	1,098	11,654	1,128	12,490	1,218	13,114	-2.4%	-1.5%
Western Iowa Tech	290	2,803	261	2,525	184	1,776	205	1,968	188	1,834	-8.3%	-8.1%
Iowa Western	199	1,930	203	1,949	142	1,373	131	1,258	149	1,440	-5.6%	-5.7%
Southwestern	116	1,114	119	1,142	99	950	94	902	103	998	-2.3%	-2.2%
Indian Hills	197	1,576	157	1,256	160	1,288	169	1,368	196	1,576	-0.1%	0.0%
Southeastern	191	1,528	150	1,320	146	1,285	154	1,355	154	1,364	-4.2%	-2.2%
Total	4,841	45,108	4,182	39,288	3,789	35,992	3,651	35,200	3,839	36,810	-4.5%	-4.0%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-12: Community Rehabilitation Program (Sheltered Workshop) Enrollment and Contact Hours: 2005-2009

College	2005						2006						2007						2008						2009						Average Change 2005-2009					
	Students			Contact Hours			Students			Contact Hours			Students			Contact Hours			Students			Contact Hours			Students			Contact Hours			Students			Contact Hours		
	Students	Hours	Hours	Students	Hours	Hours	Students	Hours	Hours	Students	Hours	Hours	Students	Hours	Hours	Students	Hours	Hours	Students	Hours	Hours	Students	Hours	Hours	Students	Hours	Hours	Students	Hours	Hours	Students	Hours	Hours			
Northeast Iowa	100	18,840		84	19,080		87	18,360		55	12,660		0	0		0	0		0	0		0	0		0	0		0	0		0	0		--	--	
North Iowa Area	317	73,500		293	72,000		291	72,480		261	61,380		199	51,240		199	51,240		199	51,240		199	51,240		199	51,240		199	51,240		199	51,240		-8.9%	-7.0%	
Iowa Lakes	101	19,500		77	17,400		66	15,540		65	14,940		58	13,320		58	13,320		58	13,320		58	13,320		58	13,320		58	13,320		58	13,320		-10.5%	-7.3%	
Northwest	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		--	--	
Iowa Central	73	16,920		68	16,488		62	15,624		61	12,600		33	8,640		33	8,640		33	8,640		33	8,640		33	8,640		33	8,640		33	8,640		-14.7%	-12.6%	
Iowa Valley	64	17,208		67	16,992		63	15,840		61	16,200		64	16,848		64	16,848		64	16,848		64	16,848		64	16,848		64	16,848		64	16,848		0.0%	-0.4%	
Hawkeye	154	13,026		157	11,762		153	3,430		32	1,628		33	1,566		33	1,566		33	1,566		33	1,566		33	1,566		33	1,566		33	1,566		-26.5%	-34.5%	
Eastern Iowa	72	14,400		110	19,860		53	5,640		94	17,400		104	22,380		104	22,380		104	22,380		104	22,380		104	22,380		104	22,380		104	22,380		7.6%	9.2%	
Kirkwood	0	0		1	60		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		--	--	
Des Moines Area	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		--	--	
Western Iowa Tech	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		--	--	
Iowa Western	188	36,960		167	32,880		159	30,624		155	29,075		142	27,540		142	27,540		142	27,540		142	27,540		142	27,540		142	27,540		142	27,540		-5.5%	-5.7%	
Southwestern	77	15,540		69	13,980		59	12,240		59	12,000		66	13,980		66	13,980		66	13,980		66	13,980		66	13,980		66	13,980		66	13,980		-3.0%	-2.1%	
Indian Hills	170	28,560		155	28,860		154	28,320		137	22,530		114	24,180		114	24,180		114	24,180		114	24,180		114	24,180		114	24,180		114	24,180		-7.7%	-3.3%	
Southeastern	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		--	--	
Total	1,316	254,454		1,248	249,362		1,147	218,098		980	200,413		813	179,694		813	179,694		813	179,694		813	179,694		813	179,694		813	179,694		813	179,694		-9.2%	-6.7%	

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-13: Mine Safety and Health Administration (MSHA) Enrollment and Contact Hours: 2005-2009

College	2005		2006		2007		2008		2009		Average Change 2005-2009	
	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours
	Northeast Iowa	541	5,194	757	6,557	585	5,626	962	9,245	794	7,661	8.0%
North Iowa Area	271	2,804	86	826	272	2,842	260	2,602	215	2,092	-4.5%	-5.7%
Iowa Lakes	35	280	74	592	59	472	32	256	0	0	-1.8%	-1.8%
Northwest	82	754	69	635	90	828	85	782	20	184	-24.6%	-24.6%
Iowa Central	285	2,872	213	2,261	224	2,458	224	2,393	197	2,478	-7.1%	-2.9%
Iowa Valley	34	367	68	640	247	2,260	138	1,303	74	998	16.8%	22.1%
Hawkeye	0	0	0	0	0	0	0	0	0	0	--	--
Eastern Iowa	299	3,370	326	4,180	54	651	306	4,057	132	1,593	-15.1%	-13.9%
Kirkwood	156	1,358	50	435	85	740	0	0	177	2,105	2.6%	9.2%
Des Moines Area	333	3,259	410	4,200	404	4,152	308	3,168	356	3,528	1.3%	1.6%
Western Iowa Tech	125	1,200	96	922	54	518	44	422	59	496	-13.9%	-16.2%
Iowa Western	0	0	0	0	0	0	0	0	0	0	--	--
Southwestern	0	0	0	0	0	0	7	67	0	0	--	--
Indian Hills	0	0	133	1,256	89	712	132	983	116	1,110	-2.7%	-2.4%
Southeastern	112	896	54	598	44	387	66	581	22	194	-27.8%	-26.4%
Total	2,273	22,355	2,336	23,101	2,207	21,645	2,564	25,859	2,162	22,439	-1.0%	0.1%

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-14: Used Motor Vehicle Dealer Education Program Enrollment and Contact Hours: 2008-2009

College	2008		2009		Percentage Change	
	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours
Northeast Iowa	177	1,174	6	36	-96.6%	-96.9%
North Iowa Area	96	608	29	174	-69.8%	-71.4%
Iowa Lakes	59	337	----	--	--	--
Northwest	51	303	21	122	-58.8%	-59.7%
Iowa Central	64	402	30	180	-53.1%	-55.2%
Iowa Valley	84	580	61	366	-27.4%	-36.9%
Hawkeye	33	175	87	444	163.6%	153.7%
Eastern Iowa	68	407	103	600	51.5%	47.3%
Kirkwood	145	859	120	694	-17.2%	-19.2%
Des Moines Area	--	--	389	2,934	--	--
Western Iowa Tech	84	533	27	162	-67.9%	-69.6%
Iowa Western	72	547	31	186	-56.9%	-66.0%
Southwestern	55	373	----	--	--	--
Indian Hills	111	603	50	250	-55.0%	-58.5%
Southeastern	86	503	26	143	-69.8%	-71.6%
Total	1,185	7,403	980	6,290	-17.3%	-15.0%

NOTE: Each bar “|” denotes 10 students.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-15: Corrections Non-Credit Enrollment, Contact Hours, and Courses Delivered, by College: 2007-2009

College	2005			2006			2007			2008			2009		
	Contact Hours		Students	Contact Hours		Students	Contact Hours		Students	Contact Hours		Students	Contact Hours		Students
	Delivered	Delivered		Delivered	Delivered		Delivered	Delivered		Delivered	Delivered		Delivered	Delivered	
Northeast Iowa	0	0	0	17	1,740	29	0	0	0	0	0	0	0	0	0
North Iowa Area	34	3,120	34	17	1,620	27	21	2,100	35	21	1,860	31	17	1,860	31
Iowa Lakes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Northwest	0	0	0	0	0	0	0	0	0	31	3,720	31	53	4,440	74
Iowa Central	909	71,516	1,416	733	87,503	1,242	804	85,250	1,355	824	97,489	1,373	850	100,903	1,432
Iowa Valley	0	0	0	0	0	0	6	432	6	0	0	0	0	0	0
Hawkeye	128	10,781	206	121	8,569	175	125	9,391	194	124	8,316	188	111	2,495	160
Eastern Iowa	0	0	0	0	0	0	131	15,240	254	104	7,080	118	116	7,980	133
Kirkwood	0	0	0	727	73,560	1,226	598	59,220	987	622	60,120	1,002	606	68,340	1,139
Des Moines Area	1,213	117,606	1,563	258	33,629	258	234	25,090	387	457	31,458	668	125	10,110	169
Western Iowa Tech	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa Western	298	40,860	681	416	52,440	874	327	44,460	741	332	43,680	728	319	44,800	747
Southwestern	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Indian Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southeastern	0	0	0	1,218	91,200	2,254	1,207	130,320	2,172	1,215	118,921	2,306	422	58,200	970
Total	2,582	243,883	3,900	3,507	350,261	6,085	6,131	371,503	3,453	6,445	372,644	3,730	2,619	299,128	4,855

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 8-16: Online Non-Credit Enrollment and Contact Hours, by College: 2008-2009

College	2008		2009		Percent Change 2008-2009	
	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours
Northeast Iowa	61	4,007	86	4,424	41.0%	10.4%
North Iowa Area	4,227	12,824	6,459	26,891	52.8%	109.7%
Iowa Lakes	109	3,048	87	2,515	-20.2%	-17.5%
Northwest	109	3,977	49	1,426	-55.0%	-64.1%
Iowa Central	473	5,258	384	3,696	-18.8%	-29.7%
Iowa Valley	0	0	193	7,760	--	--
Hawkeye	54	2,916	43	1,518	-20.4%	-47.9%
Eastern Iowa	745	33,692	658	35,013	-11.7%	3.9%
Kirkwood	624	16,280	987	36,349	58.2%	123.3%
Des Moines Area	0	0	0	0	--	--
Western Iowa Tech	254	2,368	336	1,611	32.3%	-32.0%
Iowa Western	516	16,500	716	14,324	38.8%	-13.2%
Southwestern	0	0	24	2,216	--	--
Indian Hills	0	0	139	2,255	--	--
Southeastern	165	17,688	187	10,035	13.3%	-43.3%
Total	7,337	118,559	10,348	150,033	41.0%	26.5%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

9

ADULT LITERACY ENROLLMENT AND PROGRAMS

Iowa's adult literacy programs are delivered through the state's 15 community colleges. Through non-credit instruction, adult literacy programs are delivered on a continuum from English as a Second Language (ESL) to earning a high school equivalency diploma (GED). Adult learners develop competence in reading, writing, speaking, problem-solving, and computation. Skills set instruction is contextualized within workforce competency curriculum.

Adult literacy program enrollment, reported through the Community College Management Information System (MIS), has decreased an average of 0.2 percent annually from fiscal year 2005 to 2009 (Figure 9-1). In 2009, 28,014 students were enrolled in adult literacy programs including a subset of students (9,918) that were included in the federal reporting of adult literacy students.

Total adult literacy enrollment data collected through

ADULT LITERACY ENROLLMENT

NUMBER OF STUDENTS:

28,014

DECLINE SINCE LAST YEAR:

↓ 3.4%

STUDENTS REPORTED PER

NRS REQUIREMENTS:

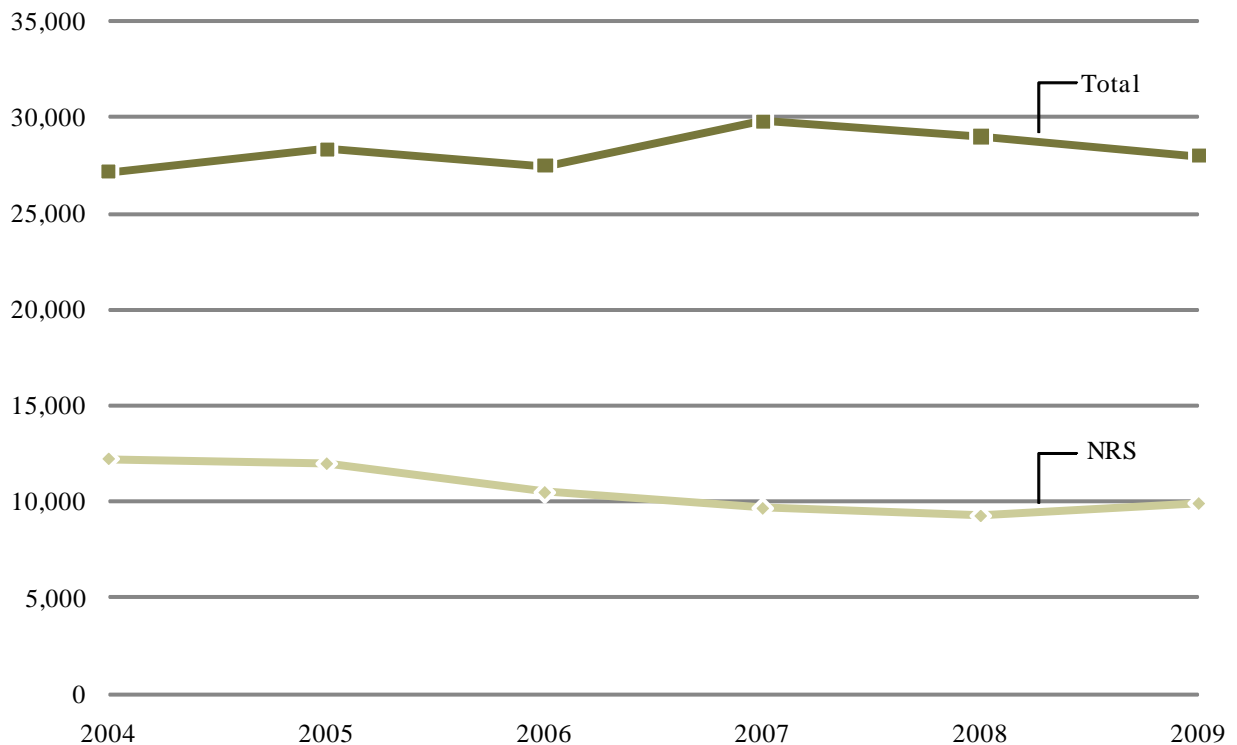
9,918

GROWTH SINCE LAST YEAR:

↑ 7.0%

the MIS includes all students who attended at least one class period. The subset of adult literacy students meeting National Reporting System (NRS) requirements is included in year-end federal reporting. While only a part of the overall population is served by adult literacy programs, this subset represents learners achieving outcomes fundamental to academic and vocational success. The NRS is the accountability system for the

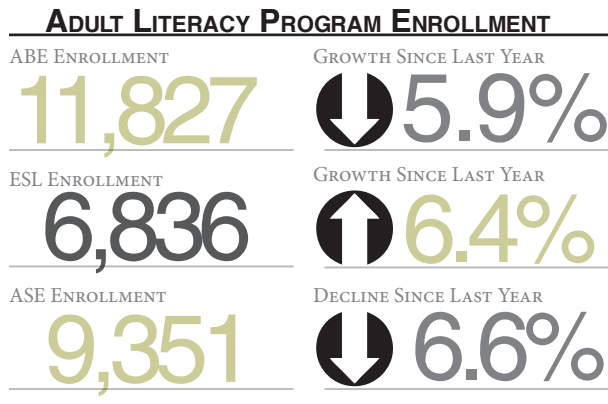
Figure 9-1: Adult Literacy Program Enrollment: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, see Tables 9-1, 9-2.

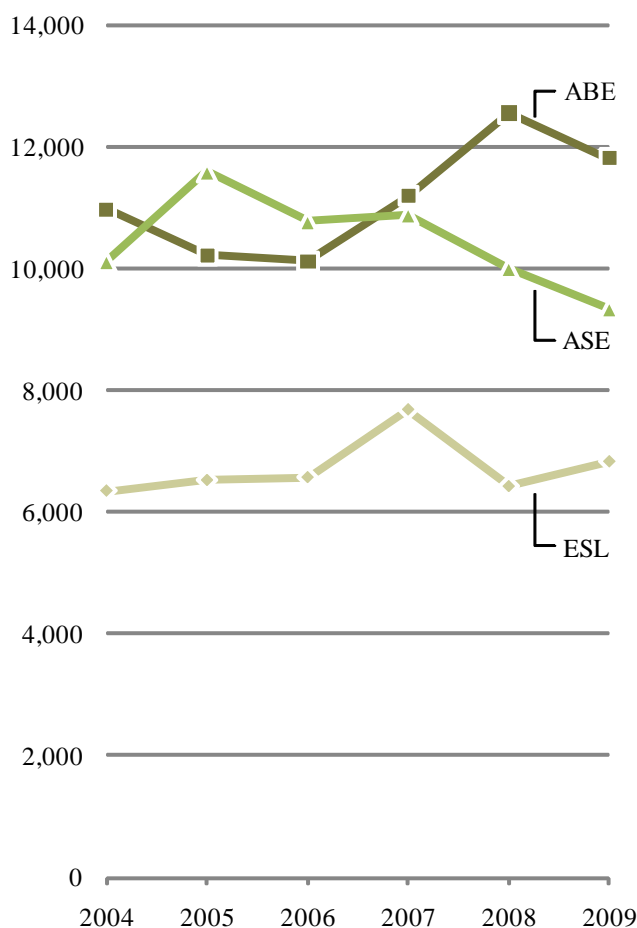
federally-funded, state administered adult education program. The NRS specifies parameters for students to be included in reporting to the U.S. Department of Education Office of Vocational and Adult Education (OVAE). Requirements for inclusion include: learners must be 16 years old, may not be jointly enrolled in high school and must be enrolled in an eligible program. NRS reported learners are the subset of learners demonstrating persistence, academic gain, and goal setting and outcomes that include earning a GED, entering postsecondary education or training, and obtaining or retaining employment. Because of the NRS requirements, the number of enrolled learners federally reported is less than the total adult literacy learner enrollment reported by the MIS.

While MIS reported-enrollment has remained constant from 2005 to 2009, NRS reported-enrollment has declined annually from 2001 with a decline of 3.7 percent from 2005 to 2008. Program year 2009 was the first reported increase in the last eight years; 3.4 percent



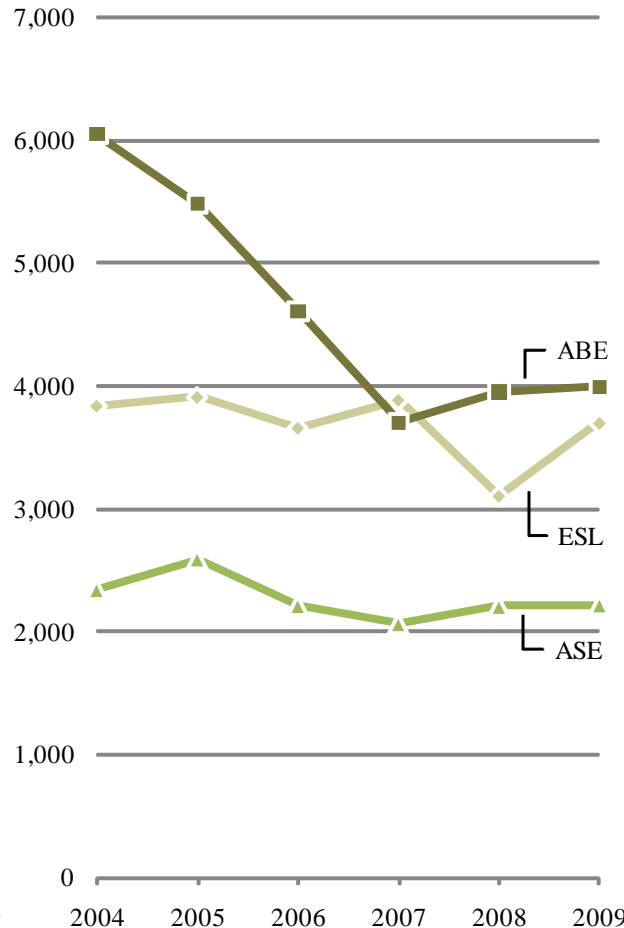
from 2008 to 2009. The NRS enrollment decline is due, in part, to an emphasis shift from course duration to course intensity. Sufficient course intensity is likely to produce academic gains more rapidly than less intense courses that last longer. While course intensity decreases the likelihood of attrition, learners often gain academic and workforce skill sets before reaching the minimum

Figure 9-2: Adult Literacy Enrollment by Program: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, see Tables 9-3 and 9-5.

Figure 9-3: NRS-Reported Adult Literacy Enrollment by Program: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, see Table 9-4, 9-6, 9-7, 9-8.

number of hours required to be included in federally reported data.

Enrollment in Instructional Programs

Adult literacy instructional programs represent a progression of basic skill attainment. Instructional programs include ESL, Adult Basic Education (ABE) skill attainment, and Adult Secondary Education (ASE).

ESL instructional programs are designed for individuals with limited English proficiency (speaking, reading, writing, or comprehension) to increase competence in English. Enrollment in ESL instructional programs rose an average of .9 percent annually between 2005 and 2009 (Figure 9-2). NRS reported ESL enrollment increased 9.1 percent between 2008 and 2009, reducing the average five-year decrease to 1.1 percent (Figure 9-3).

ABE instructional programs are designed for adults lacking competence in reading, writing, speaking, problem-solving, or computation at a level to function in society, employment, or in a family. Enrollment in ABE programs has increased an average of 2.9 percent annually since 2005. NRS reported enrollment in ABE programs continues to rise, slowing to an average five-year decline of 6.1 percent between 2005 and 2009.

Through ASE instructional programs, students acquire the skills to earn an Iowa High School Equivalency Diploma by passing the General Educational Development (GED) test battery or earn an adult high school diploma issued upon successful completion of courses delivered by community colleges. ASE program

NRS-REPORTED ADULT LITERACY PROGRAM ENROLLMENT

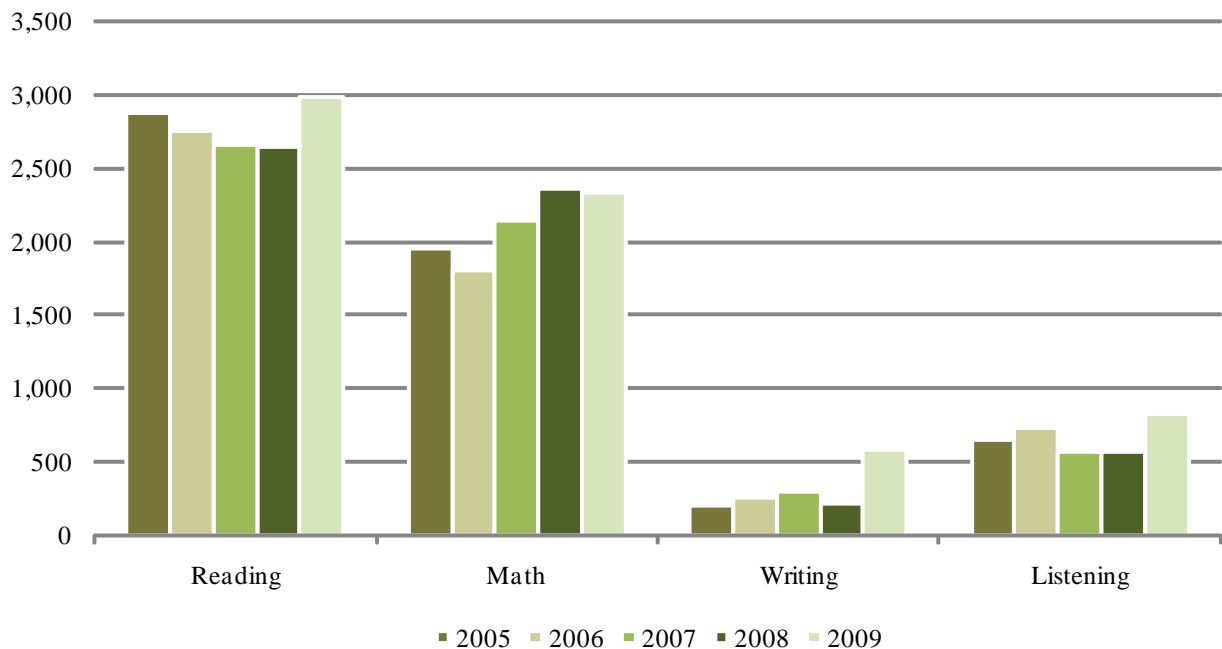
ABE ENROLLMENT	3,993	GROWTH SINCE LAST YEAR	↑ 1.1%
ESL ENROLLMENT	3,703	GROWTH SINCE LAST YEAR	↑ 19.1%
ASE ENROLLMENT	2,222	GROWTH SINCE LAST YEAR	↑ 0.5%

enrollment decreased from 4.1 percent from 2005 to 2009. NRS reported ASE program enrollment decreased 3 percent from 2005 to 2009.

Enrollment in Adult Literacy Credentialing Programs

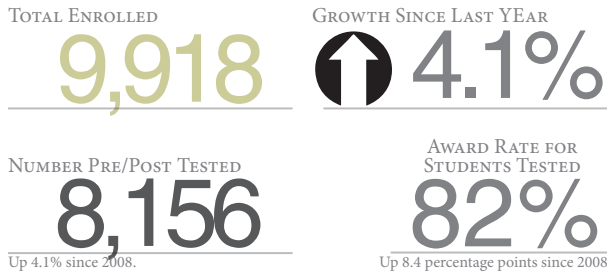
Iowa's community college adult literacy programs include three credentialing programs providing adults with the opportunities to earn basic skills certifications, the Iowa High School Equivalency Diplomas (GED) and adult high school diplomas. Prior to program year 2009, traditional high school diplomas were included in the credentialing program. Because these learners are reported as high school graduates via other Iowa Department of Education MIS programs, the traditional high school diploma awards are no longer included in

Figure 9-4: Basic Skill Certificate Program Awards: 2005-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, see Table 9-10.

BASIC SKILL CERTIFICATION PROGRAM



WIA Title II (Adult Literacy) reported totals. Adult literacy award data is collected through the Tracking of Students and Programs (TOPSpro) system. A total of 10,672 credentials were issued to adult learners as a result of successful completion of adult literacy programs in fiscal year 2009.

The Basic Skills Certification Program awards certificates for successful attainment of basic literacy competencies below the General Educational Development (GED) level. The program awards a total of 15 basic literacy certificates in the areas of reading, mathematics, writing, and listening at four certification levels based on the Comprehensive Adult Student Assessment System (CASAS). The program was initiated in fiscal year 1998 with reading and mathematics components and later expanded to writing in 2002 and listening in 2004. The listening component provides an opportunity for English literacy adult learners to assess gain in speaking and listening comprehension of the English language.

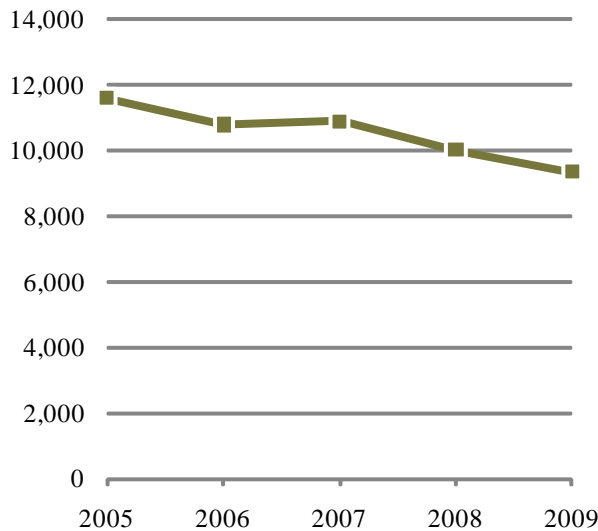
Prior to fiscal year 2009, the Condition of Iowa's Community Colleges Report included basic skill

certification totals that included community college reported totals for "cooperating programs". The additional certificates were not included in the data set provided by the adult literacy data program TOPSpro and were self-reported by each community college. Programs are now required to enter all cooperating program data into TOPSpro to produce verifiable and replicable results. As a result, the outcomes are based upon two years of reported data. Enrollment of students eligible to earn a basic skill certification rose 3.4 percent from 2008 to 2009 (Table 11-9). Learners eligible to receive a certificate increased by 4.1 percent and the number of students earning a certificate increased 8.4 percent from fiscal year 2008 to 2009. The most dramatic increase occurred in the issuance of the writing skill certificate, up 175 percent from fiscal year 2008.

The Iowa High School Equivalency Diploma is awarded to adults who successfully complete the GED test battery. Initiated in 1966, the purpose of the GED program is to provide a second opportunity to individuals who did not complete the requirements for a traditional high school diploma. The number of GEDs awarded fell by 2.9 percent in fiscal year 2009. According to the MIS, 9,351 students were enrolled in GED programs in fiscal year 2009 (Figure 9-5).

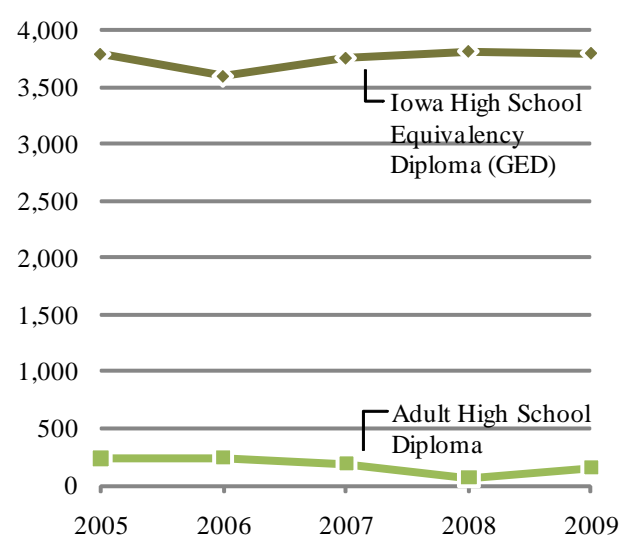
Adult high school diplomas are awarded to adults who successfully complete a prescribed program of instruction at a community college. The diploma is issued by the college. The program, initiated in 1966, is viewed as an alternative to the GED. The number of adult high school diplomas awarded increased 59.9 percent in fiscal year 2009 (Figure 9-6).

Figure 9-5: GED Program Enrollment (MIS): 2005-2009



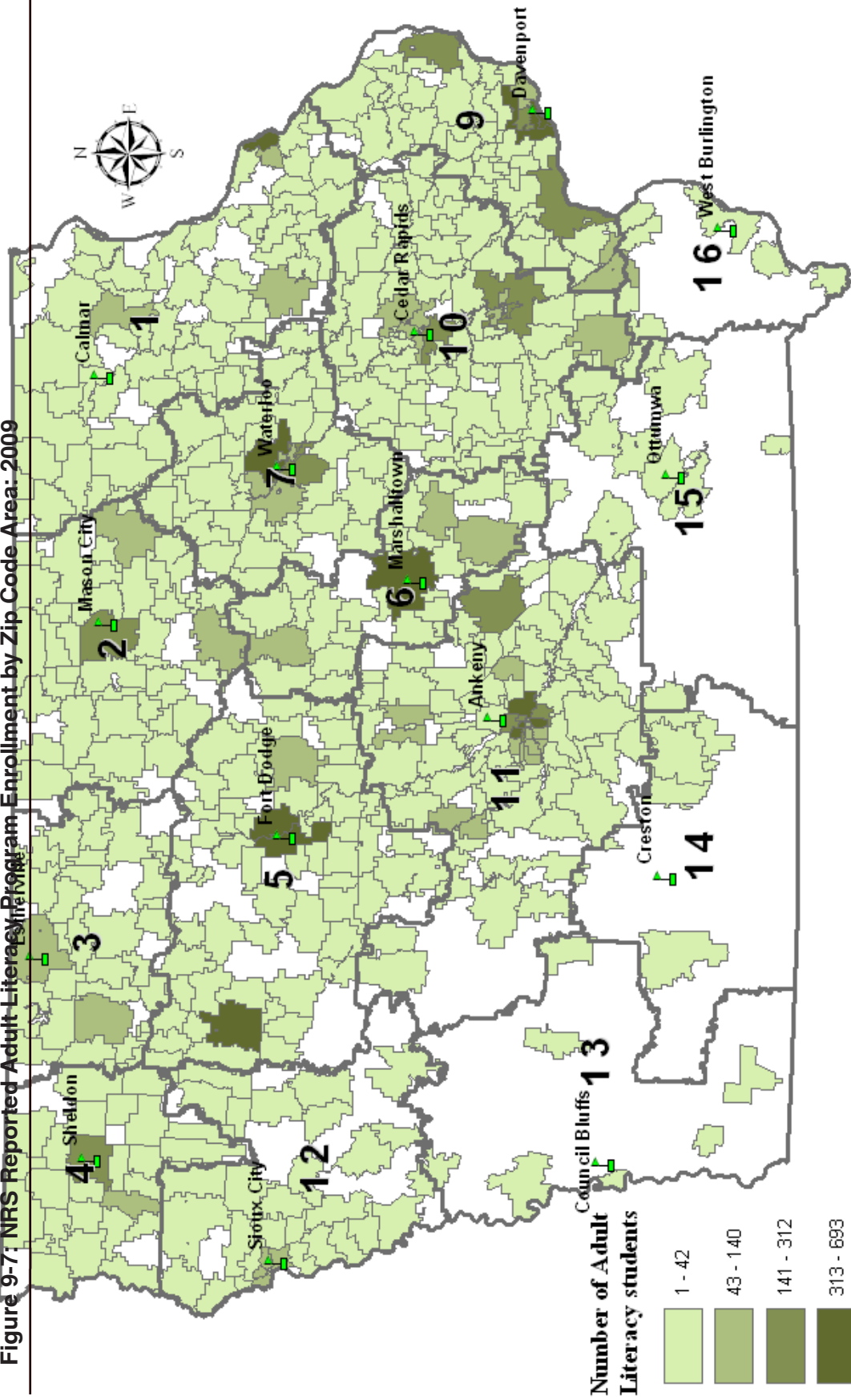
SOURCE: Iowa Department of Education, Bureau of Community College Services, see Table 9-11.

Figure 9-6: Adult Literacy Diplomas Awarded: 2005-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, see Table 9-9. NOTE: Secondary School Diplomas excluded.

Figure 9-7: NRS Reported Adult Literacy Program Enrollment by Zip Code Area: 2009



NOTE: Areas shaded in white contain no reported adult literacy students with a zip code in Iowa. Counts include 14,232 students reporting zip code of residence within Iowa. Areas 13, 14, 15, and 16 underreported student zip code data.

SOURCE: Iowa Department of Education, Bureau of Community College Services.

Table 9-1: Adult Literacy Program Enrollment by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	1,166	1,053	936	770	1,267	1.7%
North Iowa Area	1,248	1,232	1,319	1,050	1,077	-2.9%
Iowa Lakes	291	263	256	322	352	3.9%
Northwest Iowa	1,079	1,067	1,055	906	917	-3.2%
Iowa Central	1,799	1,703	2,066	2,104	2,167	3.8%
Iowa Valley	1,390	1,438	1,349	1,034	1,047	-5.5%
Hawkeye	2,415	2,179	2,077	1,067	1,039	-15.5%
Eastern Iowa	3,035	2,972	2,847	2,892	3,297	1.7%
Kirkwood	2,585	2,822	2,950	3,760	4,291	10.7%
Des Moines Area	5,856	5,523	7,284	7,536	5,177	-2.4%
Western Iowa Tech	1,427	1,219	1,303	1,454	1,505	1.1%
Iowa Western	2,339	2,010	2,035	1,962	1,748	-5.7%
Southwestern	533	444	381	378	450	-3.3%
Indian Hills	2,045	1,901	1,777	1,476	1,527	-5.7%
Southeastern	1,150	1,662	2,162	2,296	2,153	13.4%
Total	28,358	27,488	29,797	29,007	28,014	-0.2%

NOTE: Each bar "I" denotes 250 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 9-2: NRS-Reported Adult Literacy Program Enrollment by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	415	415	367	310	430	0.7%
North Iowa Area	411	294	296	264	291	-6.7%
Iowa Lakes	128	104	103	107	86	-7.6%
Northwest Iowa	208	201	183	163	158	-5.4%
Iowa Central	582	533	502	486	558	-0.8%
Iowa Valley	1,032	881	702	514	636	-9.2%
Hawkeye	853	743	768	672	671	-4.7%
Eastern Iowa	1,465	1,406	1,060	1,207	947	-8.4%
Kirkwood	1,093	979	930	821	962	-2.5%
Des Moines Area	2,338	1,903	2,169	2,267	2,625	2.3%
Western Iowa Tech	907	801	708	628	858	-1.1%
Iowa Western	754	607	529	362	322	-15.6%
Southwestern	188	201	196	184	192	0.4%
Indian Hills	1,012	888	816	869	812	-4.3%
Southeastern	603	535	335	417	370	-9.3%
Total	11,989	10,491	9,664	9,271	9,918	-3.7%

NOTE: Each bar "I" denotes 100 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community College Services, NRS TOPSpro.

Table 9-3: ABE Enrollment by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	293	589	507	490	847	23.7%
North Iowa Area	762	803	809	660	631	-3.7%
Iowa Lakes	31	26	25	43	14	-14.7%
Northwest	822	801	779	720	672	-3.9%
Iowa Central	420	416	502	477	503	3.7%
Iowa Valley	129	99	84	74	41	-20.5%
Hawkeye	981	911	811	168	167	-29.8%
Eastern Iowa	2,105	1,972	1,871	1,837	2,260	1.4%
Kirkwood	779	736	671	1,808	2,045	21.3%
Des Moines Area	2,077	1,881	2,614	3,865	2,156	0.7%
Western Iowa Tech	121	87	22	28	20	-30.2%
Iowa Western	498	242	467	477	720	7.7%
Southwestern	209	226	260	296	275	5.6%
Indian Hills	972	942	877	746	699	-6.4%
Southeastern	30	400	904	879	777	91.7%
Total	10,229	10,131	11,203	12,568	11,827	2.9%

NOTE: Each bar "I" denotes 100 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 9-4: NRS-Reported ABE Enrollment by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	230	209	190	174	252	1.8%
North Iowa Area	262	192	175	154	173	-8.0%
Iowa Lakes	75	61	35	52	30	-16.7%
Northwest	77	74	56	61	36	-14.1%
Iowa Central	148	100	126	121	175	3.4%
Iowa Valley	365	305	251	215	221	-9.5%
Hawkeye	418	373	340	309	346	-3.7%
Eastern Iowa	860	852	562	668	519	-9.6%
Kirkwood	423	379	359	309	308	-6.1%
Des Moines Area	1,017	648	446	825	824	-4.1%
Western Iowa Tech	305	227	168	136	205	-7.6%
Iowa Western	401	354	279	165	179	-14.9%
Southwestern	102	88	101	95	78	-5.2%
Indian Hills	455	437	416	428	423	-1.4%
Southeastern	344	311	198	239	224	-8.2%
Total	5,482	4,610	3,702	3,951	3,993	-6.1%

NOTE: Each bar "||" denotes 50 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community College Services, NRS TOPSpro.

Table 9-5: ESL Enrollment by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	307	235	249	117	190	-9.2%
North Iowa Area	99	95	170	67	111	2.3%
Iowa Lakes	61	75	65	71	78	5.0%
Northwest	137	174	188	111	118	-2.9%
Iowa Central	426	491	580	617	592	6.8%
Iowa Valley	683	668	706	434	513	-5.6%
Hawkeye	315	273	273	248	223	-6.7%
Eastern Iowa	525	584	534	520	559	1.3%
Kirkwood	692	605	758	664	794	2.8%
Des Moines Area	1,733	1,934	2,721	2,159	2,303	5.9%
Western Iowa Tech	528	537	642	666	619	3.2%
Iowa Western	352	299	265	268	195	-11.1%
Southwestern	81	105	77	71	102	4.7%
Indian Hills	455	413	402	338	330	-6.2%
Southeastern	133	85	67	73	109	-3.9%
Total	6,527	6,573	7,697	6,424	6,836	0.9%

NOTE: Each bar "|" denotes 100 enrollees.

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 9-6: NRS-Reported ESL Enrollment by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	92	93	83	47	88	-0.9%
North Iowa Area	65	49	51	43	53	-4.0%
Iowa Lakes	22	25	29	27	28	4.9%
Northwest	95	96	110	70	99	0.8%
Iowa Central	334	353	290	274	285	-3.1%
Iowa Valley	584	452	402	245	357	-9.4%
Hawkeye	253	205	234	201	189	-5.7%
Eastern Iowa	325	280	214	202	155	-13.8%
Kirkwood	313	267	289	233	338	1.5%
Des Moines Area	991	1,049	1,461	1,030	1,292	5.4%
Western Iowa Tech	371	431	389	355	505	6.4%
Iowa Western	75	73	93	84	72	-0.8%
Southwestern	25	37	30	32	39	9.3%
Indian Hills	298	215	200	238	176	-10.0%
Southeastern	72	39	17	29	27	-17.8%
Total	3,915	3,664	3,892	3,110	3,703	-1.1%

NOTE: Each bar "I" denotes 50 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community College Services, NRS TOPSpro.

Table 9-7: ASE Enrollment by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	566	229	180	163	230	-16.5%
North Iowa Area	387	334	340	323	335	-2.8%
Iowa Lakes	199	162	166	208	260	5.5%
Northwest	120	92	88	75	127	1.1%
Iowa Central	953	796	984	1,010	1,072	2.4%
Iowa Valley	578	671	559	526	493	-3.1%
Hawkeye	1,119	995	993	651	649	-10.3%
Eastern Iowa	405	416	442	535	478	3.4%
Kirkwood	1,114	1,481	1,521	1,288	1,452	5.4%
Des Moines Area	2,046	1,708	1,949	1,512	718	-18.9%
Western Iowa Tech	778	595	639	760	866	2.2%
Iowa Western	1,489	1,469	1,303	1,217	833	-11.0%
Southwestern	243	113	44	11	73	-21.4%
Indian Hills	618	546	498	392	498	-4.2%
Southeastern	987	1,177	1,191	1,344	1,267	5.1%
Total	11,602	10,784	10,897	10,015	9,351	-4.2%

NOTE: Each bar “|” denotes 100 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community College Services, TopsPro.

Table 9-8: NRS-Reported ASE Enrollment by College: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	93	113	94	89	90	-0.7%
North Iowa Area	84	53	70	67	65	-5.0%
Iowa Lakes	31	18	39	28	28	-2.0%
Northwest	36	31	17	32	23	-8.6%
Iowa Central	100	80	86	91	98	-0.4%
Iowa Valley	83	124	49	54	58	-6.9%
Hawkeye	182	165	194	162	136	-5.7%
Eastern Iowa	280	274	284	337	273	-0.5%
Kirkwood	357	333	282	279	316	-2.4%
Des Moines Area	330	206	262	412	509	9.1%
Western Iowa Tech	231	143	151	137	148	-8.5%
Iowa Western	278	180	157	113	71	-23.9%
Southwestern	61	76	65	57	75	4.2%
Indian Hills	259	236	200	203	213	-3.8%
Southeastern	187	185	120	149	119	-8.6%
Total	2,592	2,217	2,070	2,210	2,222	-3.0%

NOTE: Each bar "I" denotes 50 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community Colleges, NRS TOPSpro.

Table 9-9: Adult Literacy Credentials Awarded, By College: 2008-2009

College	Basic Literacy Skill Certificates			High School Equivalency Diplomas			Community College Adult High School Diplomas			Total		
	2008	2009	Percent Change	2008	2009	Percent Change	2008	2009	Percent Change			
Northeast Iowa	300	353	8.5%	193	166	-7.3%	0	0	-	493	519	2.6%
North Iowa Area	285	290	0.9%	97	76	-11.5%	0	0	-	382	366	-2.1%
Iowa Lakes	81	59	-14.7%	70	63	-5.1%	0	1	-	151	123	-9.7%
Northwest	23	70	74.5%	42	26	-21.3%	6	0	-	145	96	-18.5%
Iowa Central	285	377	15.0%	301	309	1.3%	3	2	-18.4%	589	688	8.1%
Iowa Valley	324	345	3.2%	138	140	0.7%	1	2	41.4%	624	487	-11.7%
Hawkeye	406	478	8.5%	148	148	0.0%	1	3	73.2%	555	629	6.5%
Eastern Iowa	825	358	-34.1%	625	614	-0.9%	0	0	-	1,597	972	-22.0%
Kirkwood	700	729	2.1%	476	362	-12.8%	50	82	28.1%	1,226	1,173	-2.2%
Des Moines Area	1,882	1,822	-1.6%	930	894	-2.0%	0	66	-	3,646	2,782	-12.6%
Western Iowa Tech	443	478	3.9%	273	226	-9.0%	0	0	-	716	704	-0.8%
Iowa Western	362	296	-9.6%	216	284	14.7%	0	0	-	796	580	-14.6%
Southwestern	116	106	-4.4%	59	39	-18.7%	0	0	-	175	145	-9.0%
Indian Hills	812	692	-7.7%	196	182	-3.6%	0	0	-	1,070	874	-9.6%
Southeastern	537	270	-29.1%	260	264	0.8%	0	0	-	797	534	-18.1%
Total	7,381	6,723	-4.6%	4,024	3,793	-2.9%	61	156	59.9%	14,601	10,672	-14.5%

Note: Each bar "I" denotes 50 enrollees. The total number of basic skill certificates exceeds 5,798 because students enrolled in other (non-college) adult literacy programs such as corrections education.

*Includes corrections literacy programs.

**Excludes GED's issued through the Iowa Department of Education.

***Community college-based adult high school diploma programs.

****Includes cooperative programs between community colleges and secondary institutions.

*****2009 excludes secondary high school diplomas included in reporting years prior to 2009.

Source: Iowa Department of Education, Bureau of Community College Services.

Table 9-10: Basic Skill Certificate Program Enrollment and Awards: 2005-2009

Program Year	Total Enrolled	Students Pre/Post Tested	Basic Skill Certificates				Total Awards	Percent Enrolled Receiving a Certificate
			Reading	Math	Writing	Listening		
2005	11,989	9,432	2,876	1,957	198	647	5,678	47.4%
2006	10,491	7,929	2,762	1,811	262	728	5,563	53.0%
2007	9,664	7,492	2,660	2,148	299	565	5,672	58.7%
2008	9,271	7,835	2,651	2,364	210	573	5,798	62.5%
2009	9,918	8,156	2,992	2,331	578	822	6,723	67.8%
Percent Change 2008-2009	7.0%	4.1%	12.9%	-1.4%	175.2%	43.5%	16.0%	8.4%
Average Change 2005-2009	-3.7%	-2.9%	0.8%	3.6%	23.9%	4.9%	3.4%	7.4%

SOURCE: Iowa Department of Education, Bureau of Community College Services, TOPSpro.

Table 9-11: GED Program Enrollment: 2005-2009

College	2005	2006	2007	2008	2009	Average Change 2005-2009
Northeast Iowa	566	229	180	163	230	-16.5%
North Iowa Area	387	334	340	323	335	-2.8%
Iowa Lakes	199	162	166	208	260	5.5%
Northwest	120	92	88	75	127	1.1%
Iowa Central	953	796	984	1,010	1,072	2.4%
Iowa Valley	578	671	559	526	493	-3.1%
Hawkeye	1,119	995	993	651	649	-10.3%
Eastern Iowa	405	416	442	535	478	3.4%
Kirkwood	1,114	1,481	1,521	1,288	1,452	5.4%
Des Moines Area	2,046	1,708	1,949	1,512	718	-18.9%
Western Iowa Tech	778	595	639	760	866	2.2%
Iowa Western	1,489	1,469	1,303	1,217	833	-11.0%
Southwestern	243	113	44	11	73	-21.4%
Indian Hills	618	546	498	392	498	-4.2%
Southeastern	987	1,177	1,191	1,344	1,267	5.1%
Total	11,602	10,784	10,897	10,015	9,351	-4.2%

NOTE: Each bar “|” denotes 100 enrollees.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

10

ECONOMIC DEVELOPMENT

The Iowa Department of Education began reports enrollment in Iowa Industrial New Jobs Training Programs (260E), Iowa Jobs Training Programs (260F), and Accelerated Career Education (ACE 260G) programs based on data provided by the Iowa Department of Economic Development (IDED).



The state of Iowa has established a series of programs, usually referred to by their chapter number in the Code of Iowa, targeted toward workforce development. The Iowa Industrial New Jobs Training Programs (260E), Iowa Jobs Training Programs (260F), and Accelerated Career Education (ACE 260G) are delivered through community colleges, but funding is provided through the IDED.

The Iowa Industrial New Jobs Training Programs assist businesses that are creating new jobs within the state. Iowa Jobs Training Programs are designed to build workforce skills and expertise. Finally, the ACE program helps community colleges expand programs that are critically needed in the workforce. Unlike 260E

and 260F programs, ACE is primarily delivered through credit programs.

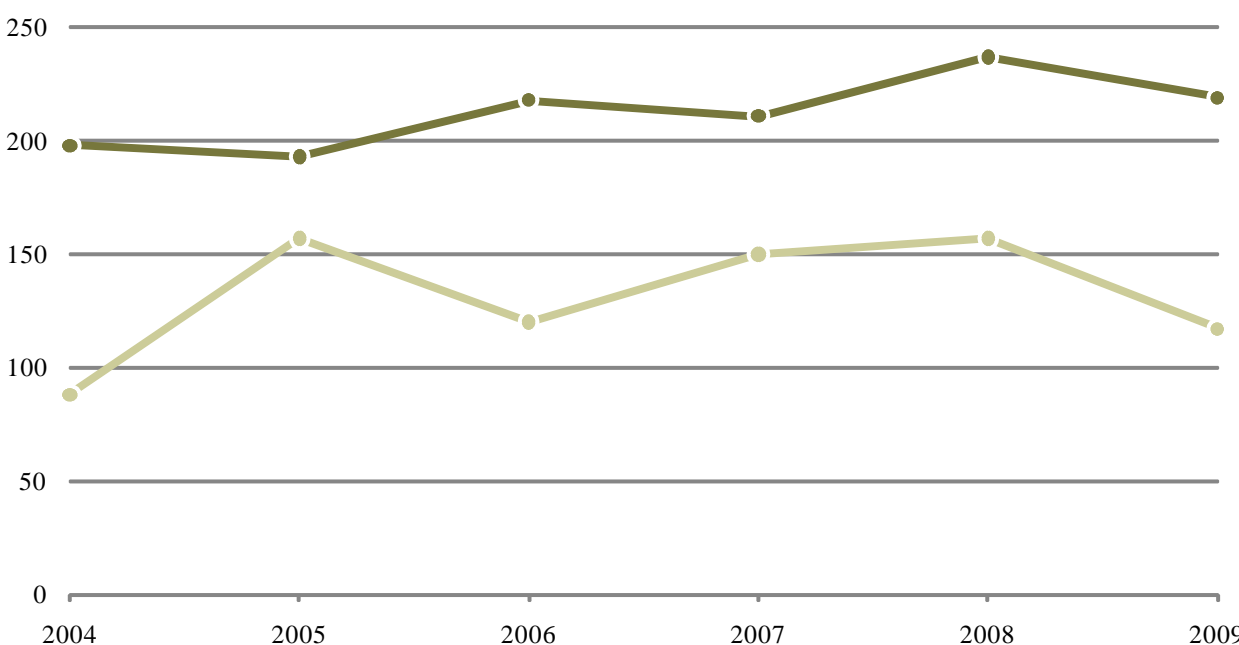
Iowa Industrial New Jobs Training Programs (260E)

Iowa Industrial New Jobs Training Programs (260E) assist businesses that are creating new positions or new jobs in Iowa. The community college district in which the new or expanding business is located issues training certificates (bonds) to pay for the training costs. Flexible funding may be utilized to meet a variety of training and employee development needs.

The training dollars awarded for this program continue to fluctuate from year-to-year. The training dollars awarded have decreased 16.2 percent since fiscal year 2005, or an average of 3.2 percent per year. The overall amount decreased by 20.9 percent from fiscal year 2008.

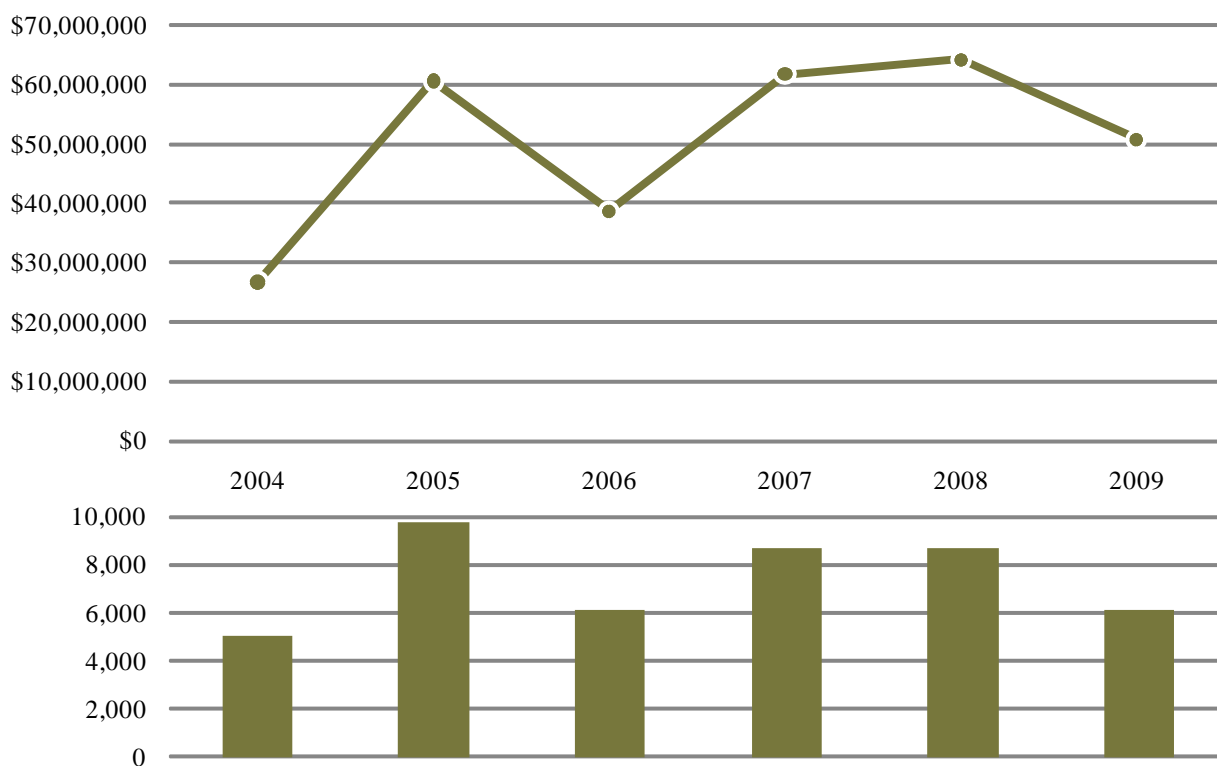
The number of projects awarded also continues to fluctuate. Since fiscal year 2005, a total of 679 projects have been awarded with 24 fewer projects awarded in fiscal year 2009 compared to the previous year.

Figure 10-1: Projects Awarded for 260E and 260F Programs: 2004-2009



SOURCE: Iowa Department of Economic Development, Workforce Business Service Training Annual Reports: 2004–2009, see Table 10-1, 10-2.

Figure 10-2: Training Dollars (top) and Trained (bottom) for 260E Programs: 2004-2009



SOURCE: Iowa Department of Economic Development, Workforce Business Service Training Annual Reports: 2004–2009, see Table 10-1.
NOTE: Number trained in 2009 is not available.

Compared to fiscal year 2005, fiscal year 2009 had 43 fewer projects awarded for a total of 114 for the year.

Iowa Jobs Training Programs (260F)

Iowa Jobs Training Programs (260F) foster growth and competitiveness of Iowa’s business and industry by building workforce skills and expertise. This program provides job training services to current employees of eligible businesses which are located in Iowa. This program is administered by the Iowa Department of Economic Development and services are provided by Iowa’s 15 community colleges. Each community college works with eligible businesses to assess training needs, determine funds availability, and provide training.

The number of individuals to be trained and the number completed in this program continue to fluctuate from year-to-year. Since fiscal year 2005, 29,595 individuals were classified to be trained and 24,146 completed the training. In fiscal year 2009, 683 more individuals were classified to be trained than fiscal year 2008 and 2,402 fewer individuals completed the training than the previous year.

The training dollars awarded for this program decreased in 2009. The training dollars awarded have

260F PROGRAMS

NUMBER OF STUDENTS COMPLETED:

894

7,089 students to be trained.

decreased 21.04 percent since fiscal year 2005, or an average of -4.2 percent per year.

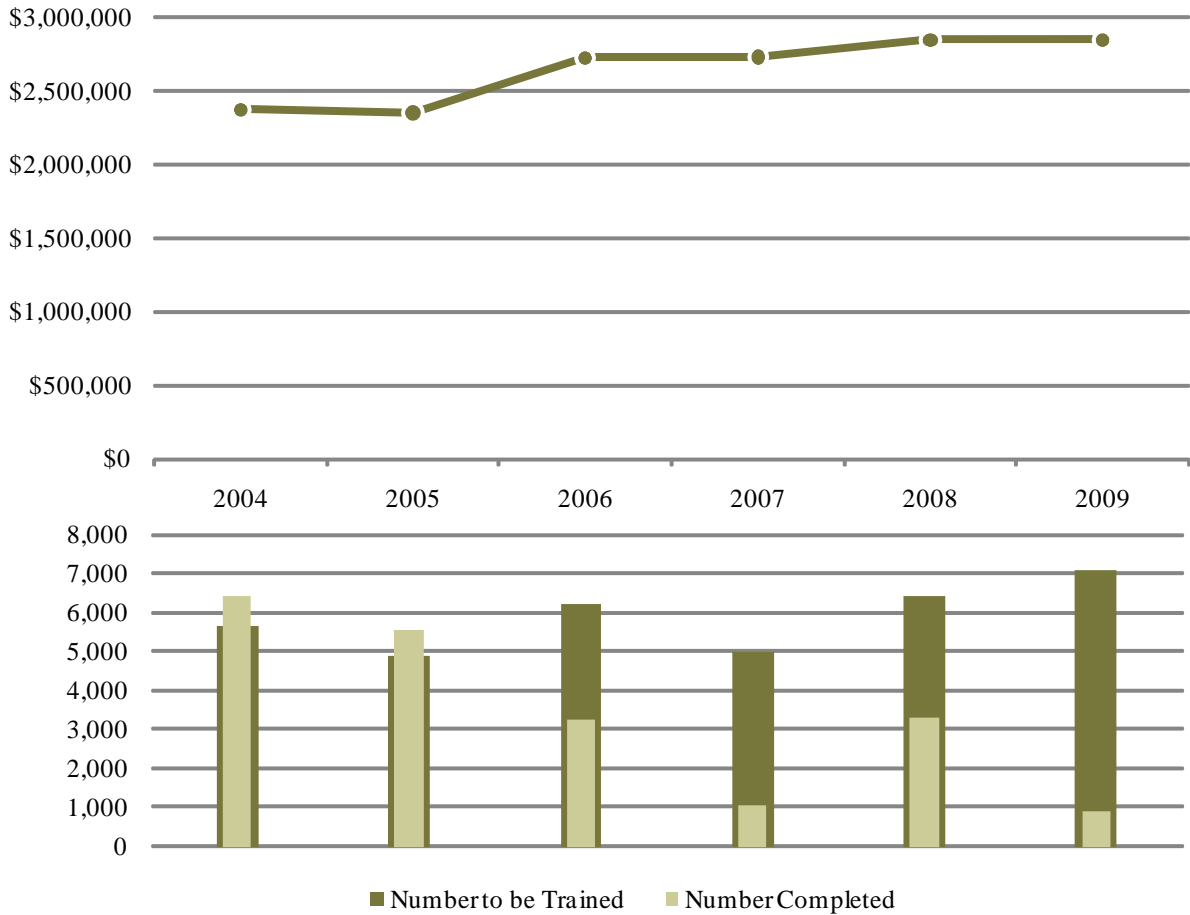
Accelerated Career Education (ACE 260G)

ACE (260G) supports the development or expansion of educational programs that address critical workforce needs. The goal of the program is to provide an enhanced skilled workforce in Iowa.

The number of programs and businesses participating in these programs continue to increase. Since fiscal year 2005, 412 programs have been created. The number of businesses participating has decreased to 227 in fiscal year 2009, down from 290 in fiscal year 2005.

The total number of positions sponsored per year has increased from 2008, but has decreased from five years ago. In fiscal year 2005, 2,584 positions were sponsored, and this decreased to 2,372 in fiscal year 2009. A total of 12,311 positions have been sponsored since fiscal year 2005.

Figure 10-3: Training Dollars (top) and Trained (bottom) for 260F Programs: 2004-2009



SOURCE: Iowa Department of Economic Development, Workforce Business Service Training Annual Reports: 2004–2009, see Table 10-2.

ACE (260G) PROGRAMS

POSITIONS SPONSORED:

2,372

A 2.7 percent decrease.

AVERAGE STARTING WAGE:

\$17.82

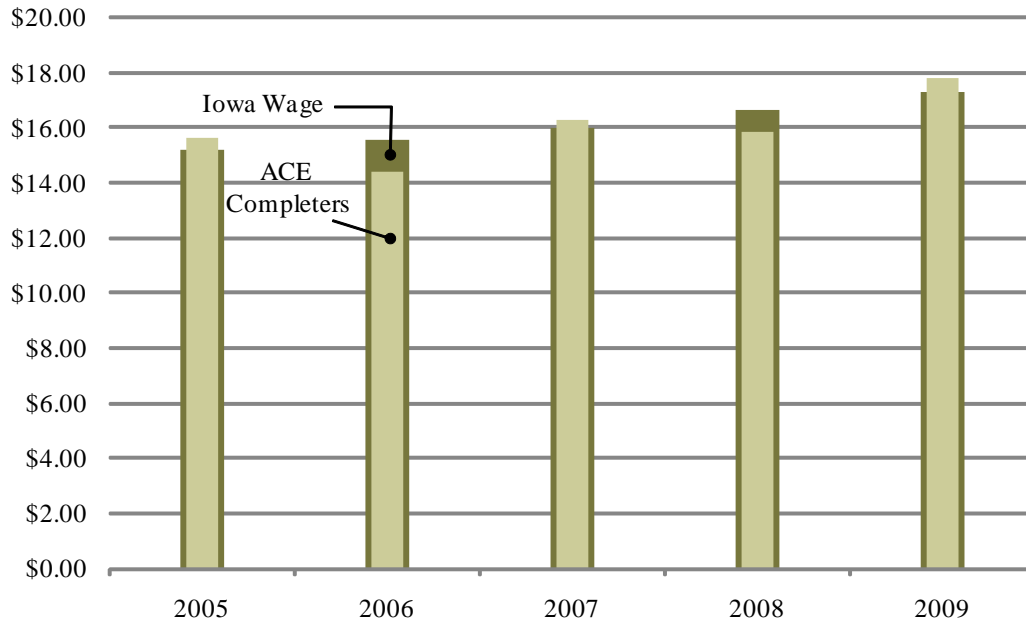
\$0.44, \$0.31, and \$0.55 respectively. In fiscal years 2006 and 2008, the average wage fell under the Iowa mean hourly wage by \$1.14 and \$0.84 respectively.

The number of students who have been offered positions has decreased since fiscal year 2005. In fiscal year 2009, 180 individuals were offered positions, a decrease of 207 from fiscal year 2005. In total, 1,300 students have been offered positions through this program.

The dollar amount of job credits awarded indicates that overall this amount has increased 2.5 percent, or an average of 0.5 percent per year from 2005. The amount awarded in fiscal year 2009 increased 2.3 percent from the previous year.

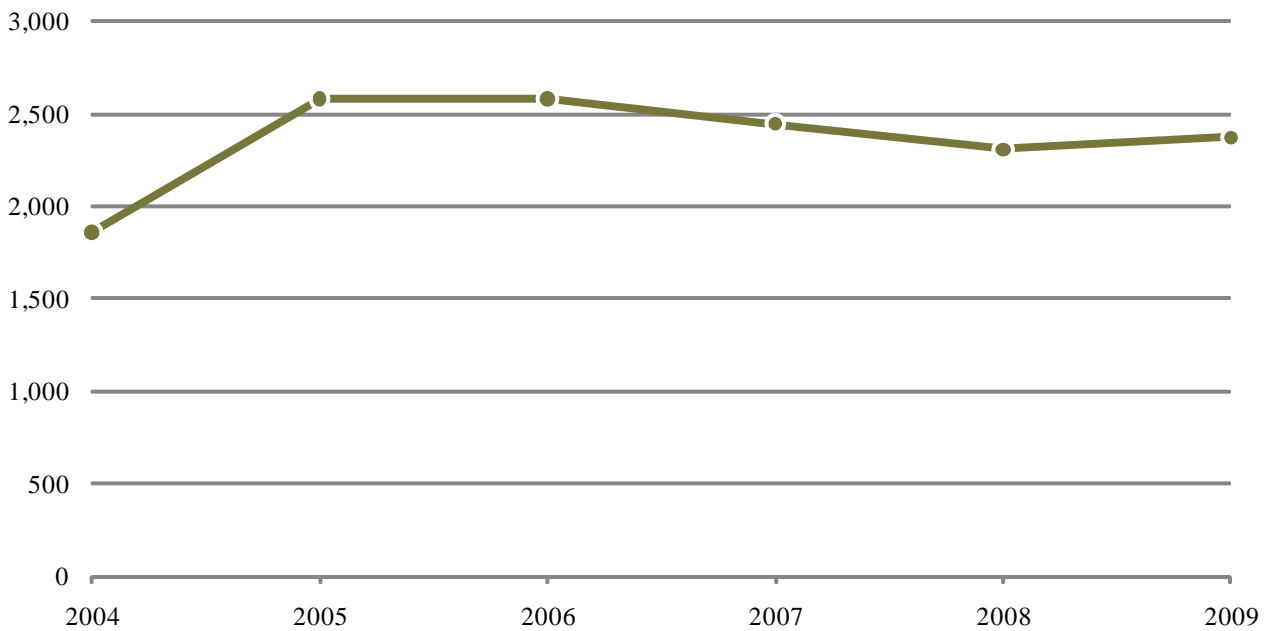
The average starting wage for the students hired through this program has fluctuated from year-to-year. A comparison to Iowa’s mean hourly wage indicates that in fiscal years 2005, 2007 and 2009, the student’s average wage was above Iowa’s mean hourly wage by

Figure 10-4: Average Wages for ACE Graduates and Average Iowa Wages: 2005—2009



SOURCE: Iowa Department of Economic Development, Workforce Business Service Training Annual Reports: 2004–2009 and U.S. Bureau of Labor Services, Occupational Employment Statistics, see Table 10-3.

Figure 10-5: Positions Sponsored by ACE: 2005—2009



SOURCE: Iowa Department of Economic Development, Workforce Business Service Training Annual Reports: 2004–2009 and U.S. Bureau of Labor Services, Occupational Employment Statistics, see Table 10-3.

Table 10-1: Funding, Trained, and Projects for 260E Programs: 2005—2009

Fiscal Year	Amount	Trained	Projects
2005	60,659,000	9,741	157
2006	38,665,000	6,124	120
2007	61,808,000	8,712	150
2008	62,199,000	8,698	138
2009	50,835,000	N/A	114

NOTE: Number trained in FY 2009 not available.

SOURCE: Iowa Department of Economic Development, Workforce Business Service Training Annual Reports: 2005-2009.

Table 10-2: Funding, To be Trained, Completers, and Projects for 260F Programs: 2005—2009

Fiscal Year	Amount	Number to be Trained	Number Completed	Projects
2005	2,351,594	4,901	7,529	193
2006	2,727,651	6,203	8,246	218
2007	2,732,004	4,996	4,181	211
2008	2,918,131	6,406	3,296	237
2009	2,846,552	7,089	894	N/A

SOURCE: Iowa Department of Economic Development, Workforce Business Service Training Annual Reports: 2005-2009.

Table 10-3: Programs, Businesses, Sponsored Positions, Offered Positions, Average ACE Wages, and Awarded Job Credits for 260G Programs: 2005—2009

Fiscal Year	Programs	Businesses	Positions Sponsored	Offered Positions	Average ACE Starting Wage	Iowa Mean Hourly Wage	Job Credits Awarded
2005	79	290	2,584	387	\$15.63	\$15.19	5,814,483
2006	84	311	2,602	306	14.41	15.55	5,939,662
2007	89	272	2,444	207	16.30	15.99	5,993,806
2008	95	319	2,309	220	15.82	16.66	5,823,507
2009	65	227	2,372	180	17.82	17.27	5,959,581

SOURCE: Iowa Department of Economic Development, Workforce Business Service Training Annual Reports: 2005-2009 and U.S. Bureau of Labor Statistics, Occupational Employment Statistics.

11

APPRENTICESHIP

Apprenticeship programs utilize the most up-to-date technologies that are available in the workplace. The U.S. Department of Labor, Bureau of Apprenticeship and Training must approve all apprenticeship projects funded through the Iowa Department of Economic Development (IDED). This section includes apprenticeship programs offered through the community colleges and funded through IDED, as well as those apprenticeship programs that were not funded through IDED.

In fiscal year 2009, the total number of unduplicated students in all apprenticeship programs increased by 482 from the previous year. The number of students in noncredit apprenticeship programs increased by 14.2 percent during that time period while the number of non-credit contact hours increased by 23.3 percent. Since fiscal year 2004, the number of non-credit students has increased by 731, or an average of 4.07 percent annually. The number of non-credit contact hours taken has increased by 240,061 since fiscal year 2004, or an average of 7.8 percent annually.

The numbers of students in credit apprenticeship programs increased by 19 while the number of credit hours taken in fiscal year 2009 increased by 207 from

APPRENTICESHIP PROGRAMS

STUDENTS (NON-CREDIT):

3,724

GROWTH SINCE LAST YEAR:

↑ 14.2%

STUDENTS (CREDIT):

132

GROWTH SINCE LAST YEAR:

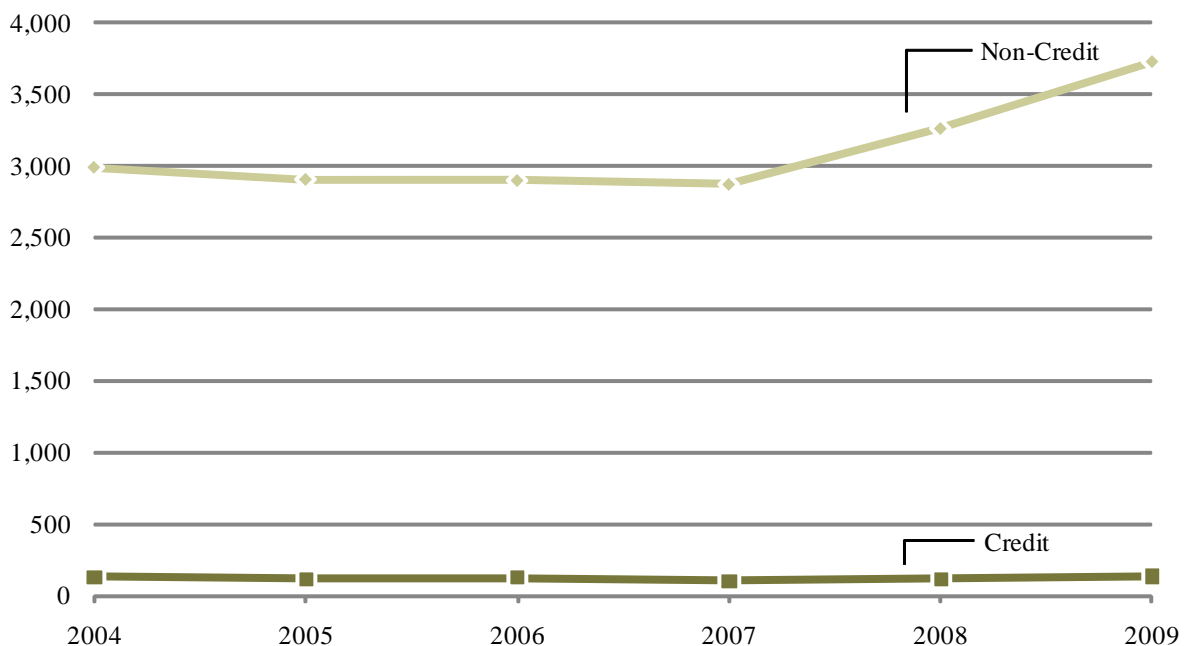
↑ 16.8%

fiscal year 2008. Since fiscal year 2004, the number of credit students has increased by five, or an average of 0.8 percent annually. The number of credit hours taken has increased 172.5 since fiscal year 2004.

IDED-Funded Apprenticeship Programs

The Iowa New Jobs Training Program (260E) assists businesses which are creating new positions or new jobs. The dollar amount available for training through the program is dependent upon the training and development needs and projected tax revenue available to repay the certificates. Applications for this program must be made through the local community college. In fiscal year 2009, the number of students participating

Figure 11-1: Apprenticeship Program Enrollment, Credit and Non-Credit: 2004-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Table 11-1.

decreased to zero.

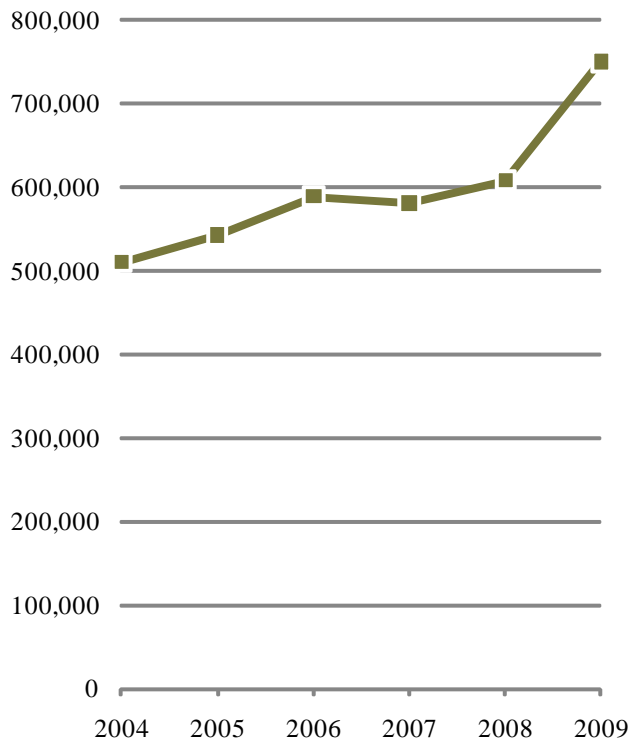
The Iowa Jobs Training Program (260F) provides job training services to current employees of eligible businesses which are located in Iowa. Job training services are defined as any training needed to enhance the performance of a business' employees. This program is administered by the IDED and services are provided by Iowa's 15 community colleges. Each community college works with eligible businesses to assess training needs, determine funds availability and provide training. The number of students participating increased by 588 while the number of contact hours increased by 156,894.

The Iowa Values Fund is an economic development program designed to transform Iowa economy by creating high quality jobs through business development and expansion across Iowa. A variety of programs are available through the Iowa Values Fund, including apprenticeship programs. The number of students participating in these programs decreased by 82 in fiscal year 2009, while the number of contact hours decreased 17,088 over the previous year.

Programs Not Funded by IDED

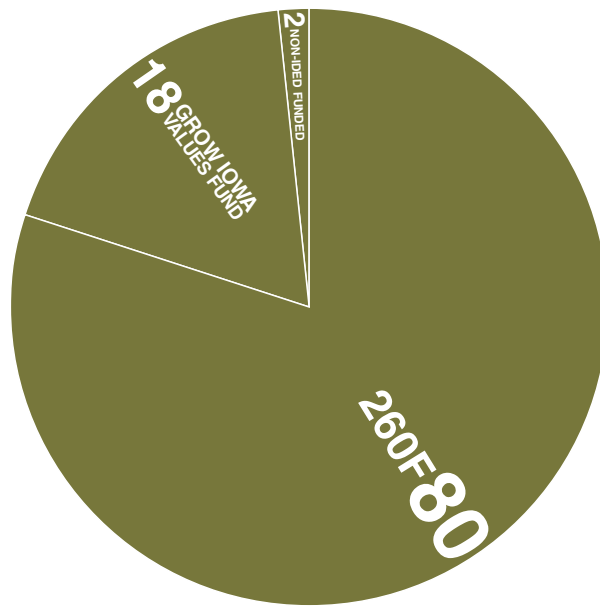
The number of students participating in non-credit apprenticeship programs that were not funded by economic development programs increased by 18 from fiscal year 2008 to fiscal year 2009. The number of contact hours increased 3,330 over the previous year.

Figure 11-2: Apprenticeship Non-Credit Contact Hours: 2004-2008



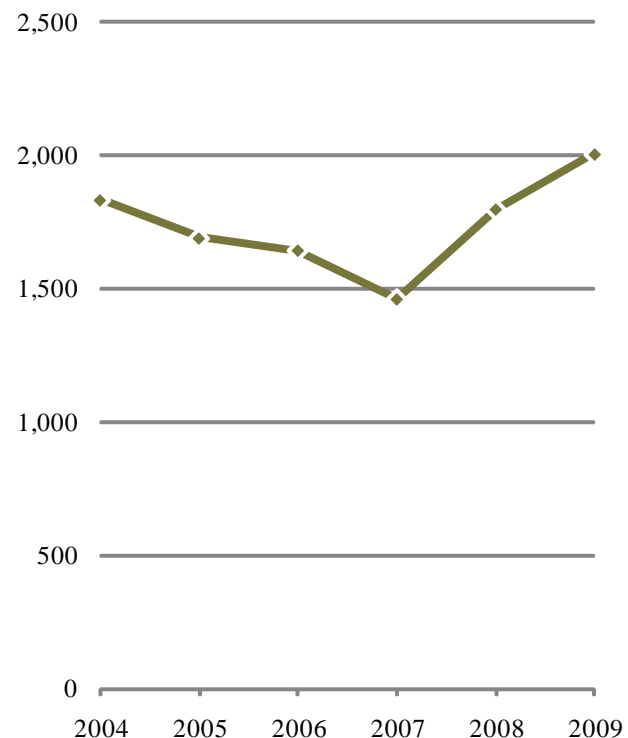
SOURCE: Iowa Department of Education, Bureau of Community College Services, Table 11-1.

Figure 11-3: Apprenticeship Contact Hours: 2004-2008



SOURCE: Iowa Department of Education, Bureau of Community College Services, Tables 11-4, 11-5, 11-6, 11-7.

Figure 11-3: Apprenticeship Credit Hours: 2004-2008



SOURCE: Iowa Department of Education, Bureau of Community College Services, Table 11-1.

Table 11-1: Apprenticeship Program Enrollment, Credit Hours, and Contact Hours: 2005-2009

Fiscal Year	Credit		Non-Credit	
	Students	Credit Hours	Students	Contact Hours
2004	127	1,834.0	2,993	510,151.7
2005	113	1,690.5	2,909	542,446.3
2006	125	1,645.0	2,901	588,825.2
2007	99	1,461.5	2,874	580,646.5
2008	113	1,799.5	3,261	608,365.9
2009	132	2,006.5	3,724	750,212.6

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 11-2: Credit Apprenticeship Programs Enrollment and Contact Hours: 2007-2009

Fiscal Year	Students	Credit Hours
2006	125	1,645.0
2007	99	1,461.5
2008	113	1,799.5
2009	132	2,006.5

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 11-3: Non-Credit Apprenticeship Programs Not Funded by IDED - Enrollment and Contact Hours: 2007-2009

Fiscal Year	Students	Contact Hours
2006	0	0.0
2007	23	4,554.0
2008	40	7,920.0
2009	58	11,250.0

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 11-4: Non-Credit Apprenticeship 260E and 260F Programs: 2007-2009

Fiscal Year	260E		260F	
	Students	Contact Hours	Students	Contact Hours
2007	50	3,185.4	2274	474,910.3
2008	61	1,277.4	2345	444,443.3
2009	0	0.0	2933	601,337.0

Source: Iowa Department of Education, Bureau of Community College Services.

Table 11-5: Non-Credit Apprenticeship Programs Funded by the Grow Iowa Values Fund - Enrollment and Contact Hours: 2007-2008

Fiscal Year	Students	Contact Hours
2007	527	97,996.8
2008	815	154,713.6
2009	733	137,625.6

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 11-6: Apprenticeship Programs Funded by Iowa Industrial New Jobs Training Programs (260E) - Non-Credit Enrollment and Contact Hours: 2005-2009

College	2005		2006		2007		2008		2009	
	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours
Northeast Iowa	0	0	0	0	0	0	0	0	0	0
North Iowa Area	0	0	0	0	0	0	0	0	0	0
Iowa Lakes	0	0	0	0	0	0	0	0	0	0
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	56	2,109.2	12	998.4	50	3,185.4	61	1,277.4	0	0
Iowa Valley	0	0	0	0	0	0	0	0	0	0
Hawkeye	0	0	0	0	0	0	0	0	0	0
Eastern Iowa	0	0	0	0	0	0	0	0	0	0
Kirkwood	0	0	0	0	0	0	0	0	0	0
Des Moines Area	0	0	0	0	0	0	0	0	0	0
Western Iowa Tech	0	0	0	0	0	0	0	0	0	0
Iowa Western	0	0	0	0	0	0	0	0	0	0
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	0	0	0	0	0	0	0	0	0	0
Southeastern	0	0	0	0	0	0	0	0	0	0
Total	56	2,109.2	12	998.4	50	3,185.4	61	1,277.4	0	0.0

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

**Table 11-7: Apprenticeship Programs Funded by Iowa Jobs Training Programs (260F)
- Non-Credit Enrollment and Contact Hours: 2005-2009**

College	2005		2006		2007		2008		2009	
	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours	Students	Contact Hours
Northeast Iowa	0	0	0	0	0	0	0	0	0	0
North Iowa Area	0	0	0	0	0	0	0	0	0	0
Iowa Lakes	0	0	0	0	0	0	0	0	0	0
Northwest	0	0	0	0	0	0	0	0	0	0
Iowa Central	0	0	0	0	0	0	0	0	0	0
Iowa Valley	4	307	1	173	0	0	4	691	0	0
Hawkeye	0	0	0	0	0	0	0	0	0	0
Eastern Iowa	671	115,708	610	129,953	657	139,598	854	185,654	928	204,724
Kirkwood	612	116,746	591	125,447	447	92,933	479	54,637	831	162,298
Des Moines Area	1,490	293,170	1,626	318,348	1,128	233,563	911	192,790	1,085	225,271
Western Iowa Tech	54	13,766	55	13,766	33	7,434	29	7,798	40	6,926
Iowa Western	0	0	0	0	9	1,382	8	1,075	4	614
Southwestern	0	0	0	0	0	0	0	0	0	0
Indian Hills	0	0	0	0	0	0	0	0	0	0
Southeastern	0	0	0	0	0	0	60	1,799	45	1,504
Total	2,831	539,696	2,883	587,688	2,274	474,910	2,345	444,443	2,933	601,337

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

12

STUDENT SUCCESS

This section contains a summary of student outcomes, including average wage in the workforce. The special supplement in section 17 contains an extended discussion on workforce outcomes for community college students.



The Department of Education tracks student successes related to graduation, transfer, and wages. Every year the Department of Education tracks a cohort of students over three years. For this report, the department tracked first-time students who enrolled full-time at a community college in fiscal year 2007. There were 10,725 students in the cohort this year. This cohort is used to calculate the success rate, graduation rate transfer rate.

Students enroll into community colleges for various reasons besides seeking an award. The success rate follows a cohort of first-time, full-time students—those who initially enroll into community colleges with more than 12 credit hours per semester. A student is counted as a “success” if she either graduates or transfers to a four-year institution within three years.

The department follows students for three-years since community colleges offer, at most, a two-year degree.

STUDENT OUTCOMES

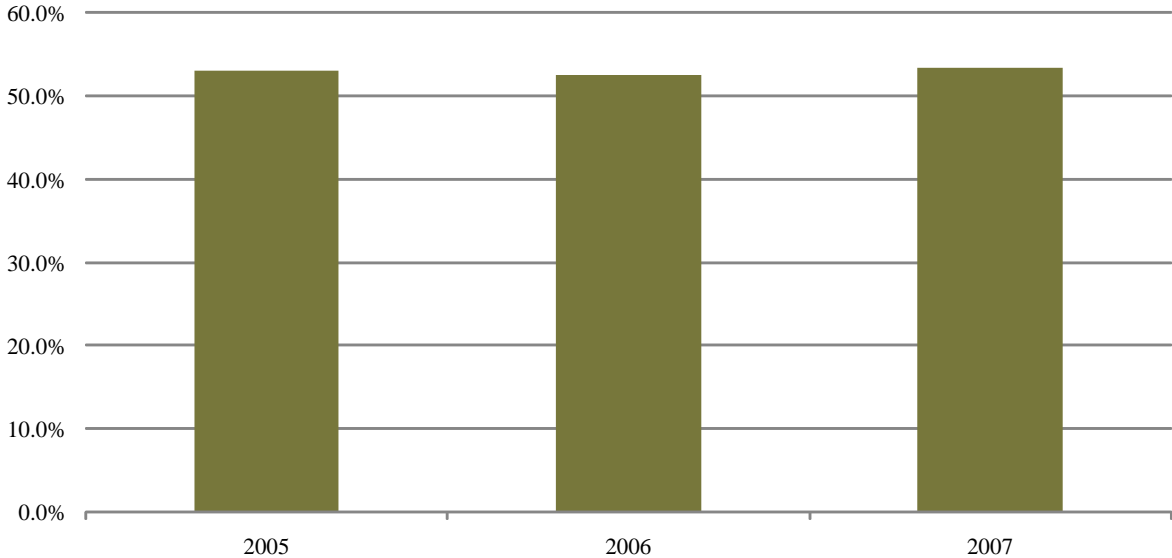
SUCCESS RATE: 53.4% <small>Increased 0.9% from 2008.</small>	GRADUATION RATE: 53.4% <small>Increased 0.9% from 2008.</small>
AVERAGE TIME-TO-DEGREE: 2.4 YEARS <small>Unchanged from 2008.</small>	MEDIAN SALARY: \$29,592 <small>All students, 2002 cohort</small>

Federal and state calculations typically allows students a 150 percent of the allotted time to complete a degree. While community college cohorts are followed for three years, four-year universities often calculate a six-year graduation rate.

The success rate for the 2007 cohort was over 53 percent (Figure 12-1). Over half of the students in each cohort the department tracked cohort either graduated from community college or transferred to a 4-year university within three years.

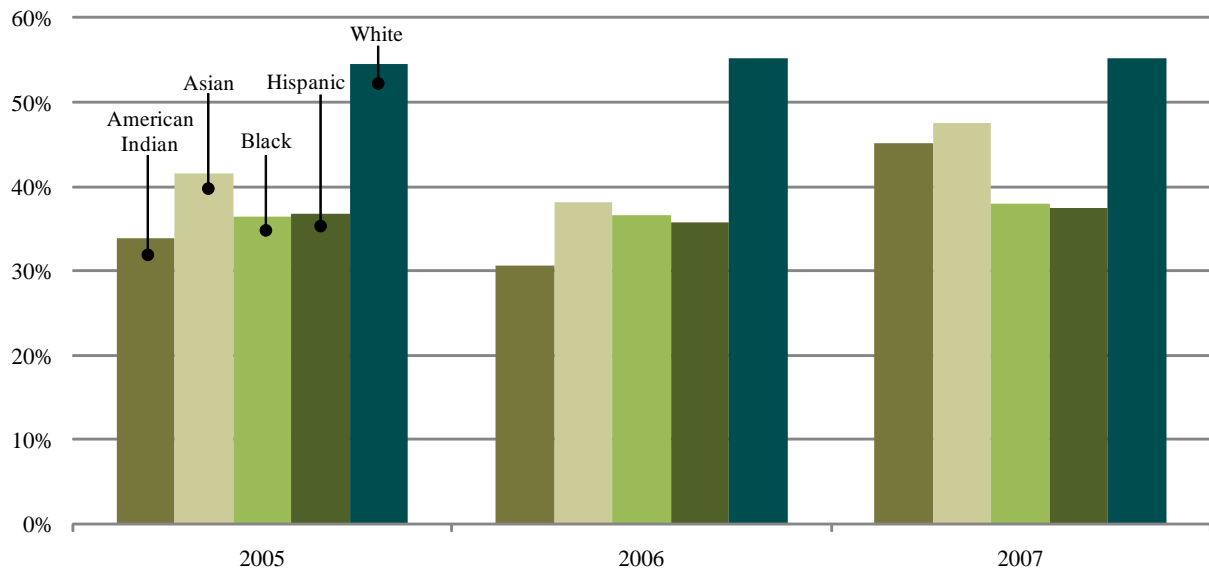
Figure 12-4 shows the path of the fiscal year 2006 cohort through three years. Very few students graduated or transferred within the first year. However, 30 percent

Figure 12-1: Three-year Success Rate (Graduation + Transfer): 2005 - 2007 Cohorts



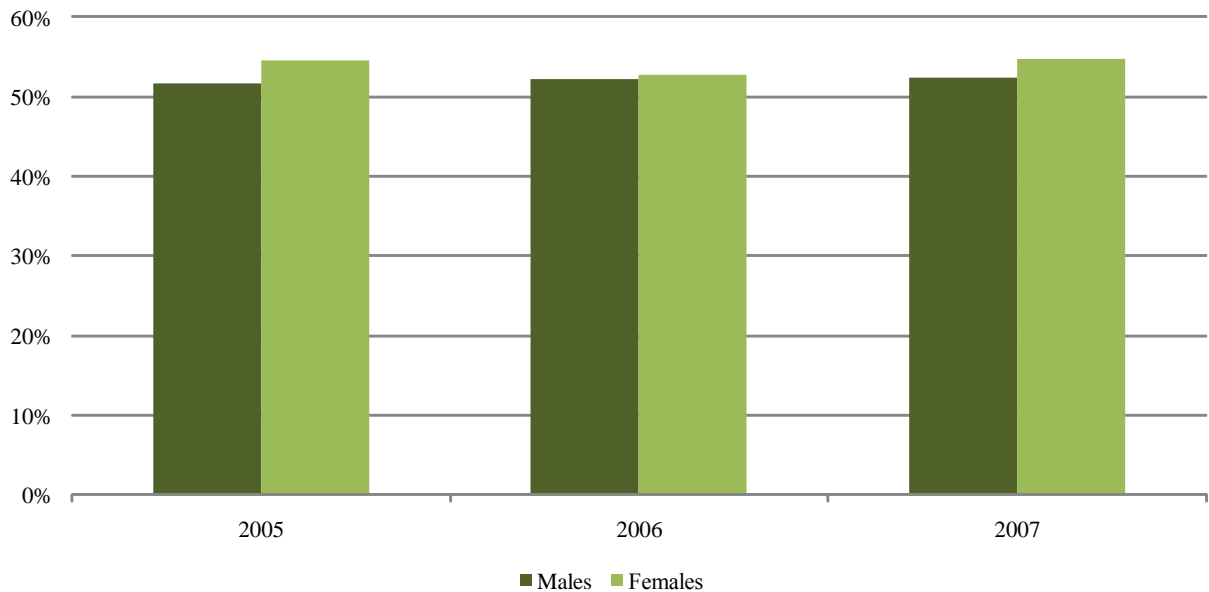
SOURCE: Iowa Department of Education, Bureau of Community College, Community College MIS and National Student Clearinghouse, see Table 12-1.

Figure 12-2: Success Rate by Race/Ethnicity: 2005 - 2007 Cohorts



SOURCE: Iowa Department of Education, Bureau of Community College, Community College MIS and National Student Clearinghouse, see Tables 12-3 through 12-5.

Figure 12-3: Success Rate by Gender: 2005 - 2007 Cohorts



SOURCE: Iowa Department of Education, Bureau of Community College, Community College MIS and National Student Clearinghouse, see Table 12-6.

of the initial cohort did graduate or transfer in the second year. Twenty-six percent of the those remaining the second year graduate and five percent transferred in the second year.

A third of students received multiple awards from community colleges. In this analysis, multiple awards were only counted once. Typically, students would receive a diploma or certificate in the first year and later receive an Associate's degree from the college. Meanwhile, 12 percent of students received an award and transferred to a four-year institution.

There is considerable variation by race and ethnicity. Figure 12-2 shows the success rate for white students exceeded 55 percent. Meanwhile, black and Hispanic students only had a 38 percent success rate, Asians had a 48 percent rate, and 45 percent of American Indian students either graduated or transferred.

Community colleges achieved greater parity between gender. In 2007, 58 percent of females either graduated or transferred while 52 percent of males achieved the same (Figure 12-3). Section 3 noted that females comprise 57 percent of community college enrollment.

Graduation Rate

The graduation rate follows the same first-time, full-time cohorts for three years. In fiscal year 2007, the graduation rate edged up to 39.4 percent (Figure 12-5). The graduation rate has fluctuated between 41 and 38 percent since 2001. Iowa has continually outperformed the national average. The three-year graduation rate for community colleges fell to 31 percent (Knapp, Kelly-Reid, and Ginder, 2009).

Graduation rates were disparate by race and ethnicity. Like success rate, 41.7 percent of whites graduated within three years. However, black students had a graduation rate of 19.8 percent; Hispanics were 25.1 percent; Asian students were 28.3 percent; and 30.6 percent of American Indian students graduated within the allotted time (Figure 12-6).

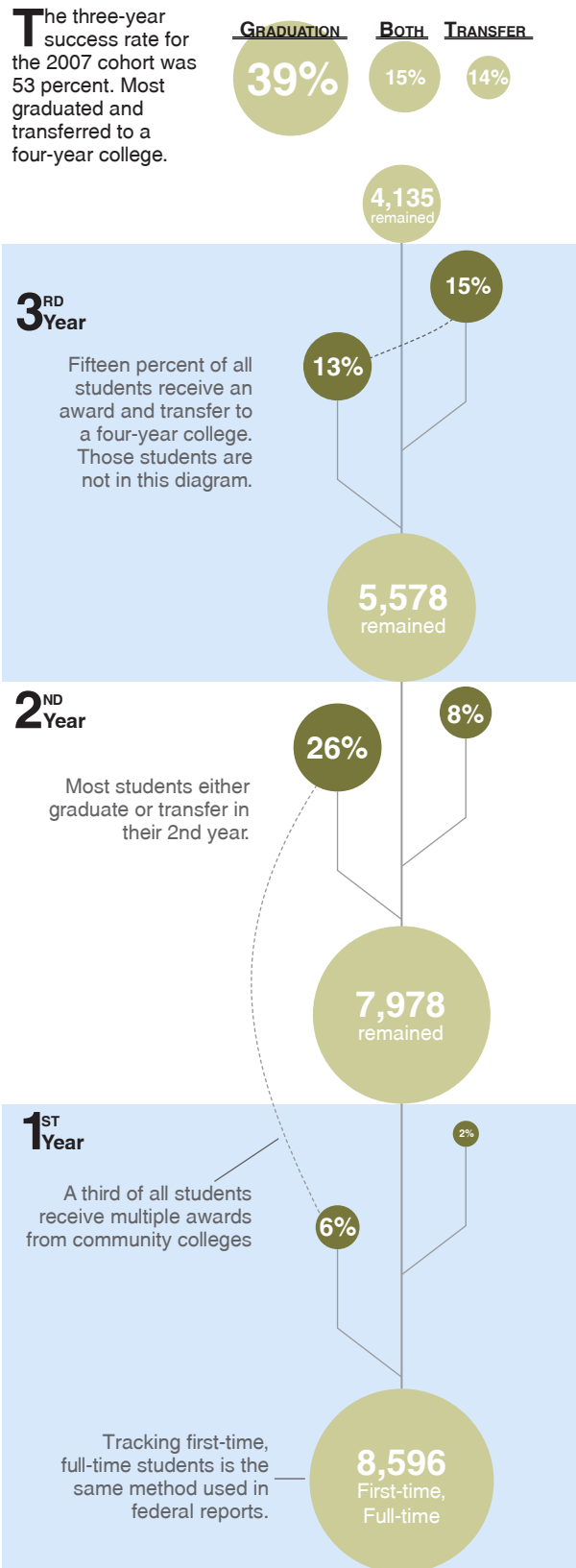
Despite the disparity, Iowa outperforms the national average by each demographic subgroup. For instance, only 14.1 percent of blacks graduate in the same period at public, 2-year colleges.

The gap between males and females were minimal. Almost 41 percent of females and 38 percent of males graduated. Nationally, the graduation rate for females is 22.6 percent and 21.2 percent for males (Knapp, Kelly-Reid, and Ginder, 2009)

Time-to-Degree

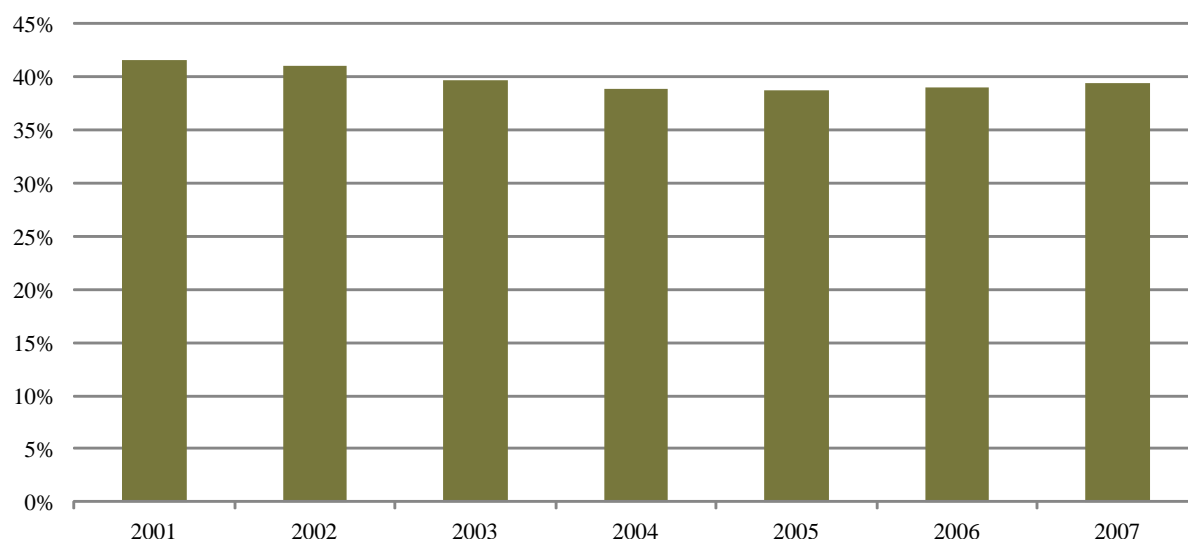
Time-to-degree measures the timeliness of receiving a community college award. Unlike the success, graduation, and transfer rates—which only tracks three

Figure 12-4: Fiscal Year 2007 Cohort's Path to Graduation and Transfer



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Figure 12-5: Three-year Graduation Rate: 2001—2007 Cohorts



SOURCE: Iowa Department of Education, Bureau of Community College, Community College MIS, see Table 12-7.

years—time-to-degree tracks students up toward five years. The distinction is quite deliberate. The focus of time-to-degree is to track the length, not the number, of awards.

On average, it took 2.4 years for the 2004 cohort to complete a community college diploma, which is the same as the prior year (Table 12-11).

Minorities typically take longer to graduate. White students average 2.4 years to obtain an award; meanwhile, the average time-to-degree is higher for all racial and ethnic minorities. Blacks, the largest minority group, take 2.6 years to complete an award; 2.7 years for Hispanics, 2.8 years for Asians, and 3.1 years for students of American Indian descent (Table 12-12).

Wages of Graduates

The link between education and wages has been firmly established (e.g., Becker, 1993). Education gives employees the tools to be more productive throughout their career. Higher productive employees earn more than other workers. The Iowa Department of Education and Iowa Workforce Development cooperated to follow community college students into the workforce. This research is further highlighted in Section 17 of this report.

The Iowa Department of Education and Iowa Workforce Development followed students who either graduated or left an Iowa community college in 2002 or 2006. Figure 12-7 shows the median salary for both cohorts. Wages are broken out for those who completed a degree (completers) and those who left early (leavers), completers of various award types, those who left

without completing the degree, and all students. The median income for students were only recorded if the student worked all four quarters.

For the 2002 cohort, median wages for completers was \$29,592 and \$27,675 for leavers by 2008. Median wages grew the fastest for completers. In particular, median wages for all awardees grew 142 percent while leavers (non-awardees) grew 87 percent over the 6 year period. The median earnings for completers was \$23,594 while leavers earned \$20,702.

Wages grew modestly and equally for most groups between 2003 and 2005. Completers' median wages grew 19.9 percent to \$28,217 while the median salary for leavers grew 17.8 percent to \$24,184 as wage growth becomes more dependent on individual productivity (see Becker, 1993).

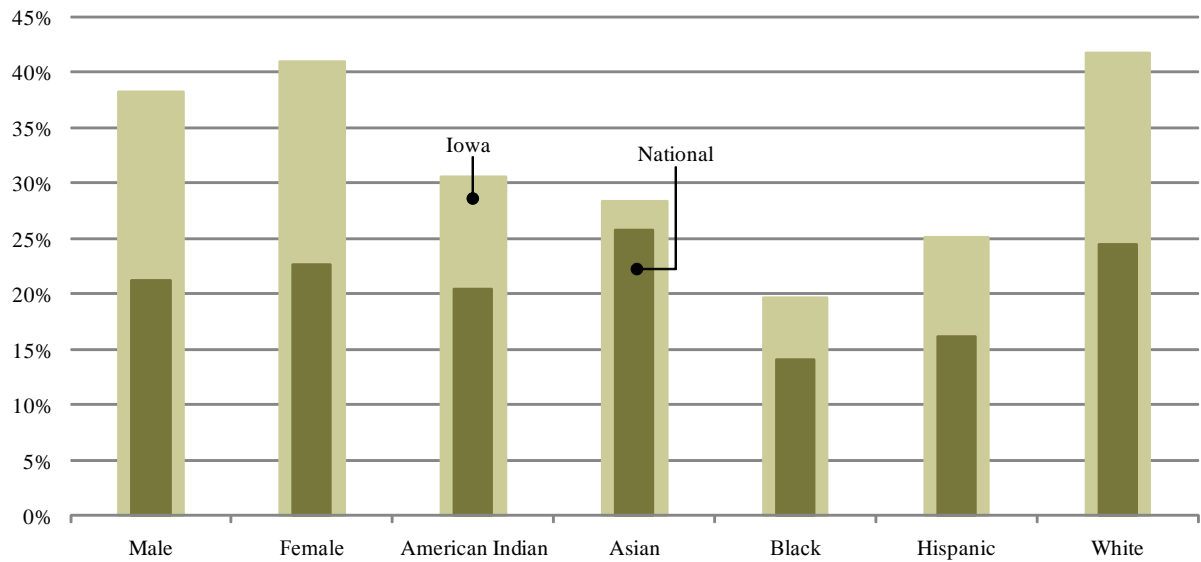
The 2006 cohort exhibited a similar pattern. Median wages were \$27,210 for completers and \$23,297 for leavers by 2008. Again, completers' wages increased briskly for completers (131 percent) compared to leavers (25 percent).

Nevertheless, the 2007-2008 recession is evident in the data. Between 2007 and 2008 wages fell for both completers and leavers. It is not due to increased unemployment, but from a decrease in real wages. The 2006 cohort, which is more recently out of college, was spared from the wage decrease.

Transfer Analysis

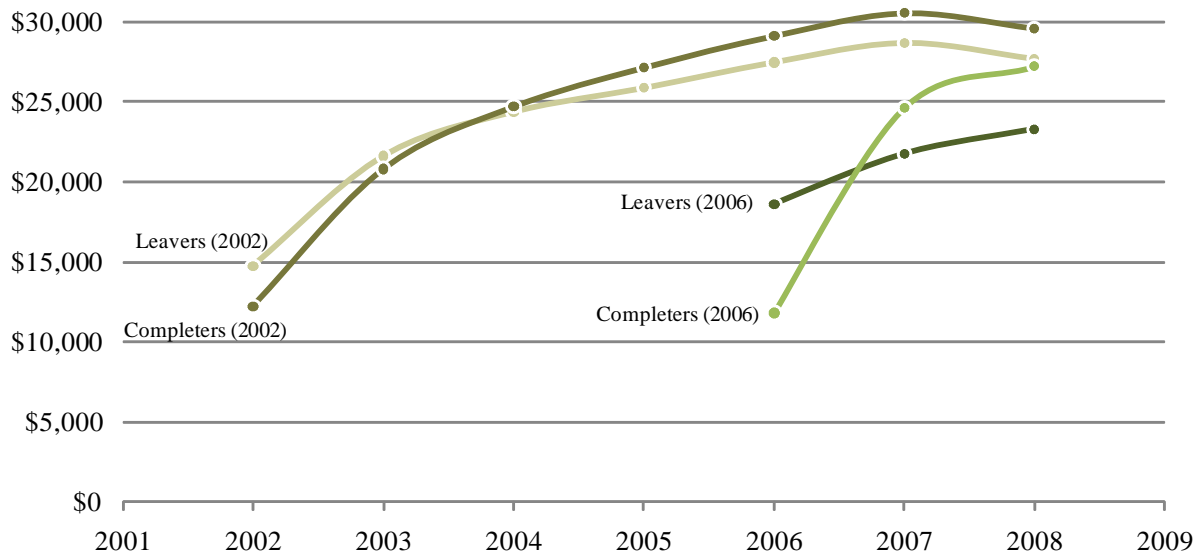
The Iowa Department of Education and Iowa State University's Office of Community College Research and Policy (OCCRP) tracked the transfer patterns of

Figure 12-6: Three-year Graduation Rate by Demographics: 2007 Cohort



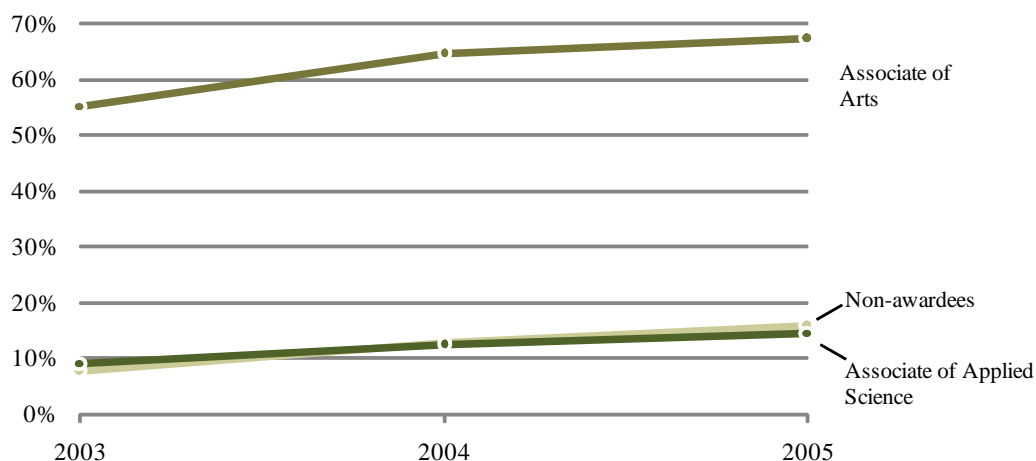
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 12-9 and 12-10. Knapp, Kelly-Reid, & Ginder (2009).

Figure 12-7: Adjusted Median Earnings of Alumni: 2002 and 2006 Cohorts



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and Iowa Workforce Development, Unemployment Insurance records, see Table 12-13.

Figure 12-8: Three-year Transfer Rates by Award Type: 2002 Cohort



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, and National Student Clearinghouse, see Table 12-14.

community college students who completed an award or left the college in fiscal year 2002. The analysis used the National Student Clearinghouse to track the cohort to four-year institutions in the United States. The analysis focused on three specific groups: Associate of Arts (AA) award recipients, Associate of Applied Science (AAS), and non-award leavers.

The largest group to transfer to a four-year institution was AA award recipients. The AA program is designed to transfer to a 4-year institution and ultimately lead to a Bachelor's degree. By the third year, 67.1 percent of AA recipients transferred (Figure 12-8).

AAS recipients were less likely to transfer to a four-year institution. Over three years, 15 percent of AAS recipients transferred to a 4-year institution. Unlike the AA degree, the AAS is designed to lead toward immediate participation in the workforce.

Finally, 15.6 percent of non-awardee leavers transfer to a four-year institution. It is difficult to interpret the intention of these students, but of 49,895 non-awardee leavers, 7,798 students continued their education.

Retention and Graduation at Public Universities

The Board of Regents for the State of Iowa tracks one-year student retention and graduation rates at the three public universities. The one-year retention rate of all community college students has remained steady since 1991. Seventy-eight percent of community college students transferring to the University of Iowa (SUI) remained at the university after a year—down from 82 percent (Figure 12-9). Meanwhile, over 80 percent of transfers to the University of Northern Iowa (UNI) remained at the university the following year. In 2003, over 80 percent stay at least a year at SUI, while Iowa

State University's (ISU) one-year retention remained steady at 79 percent.

Since 1991, the graduation rate for all community college transfer students has risen (Table 12-10). Sixty-one percent graduate from UNI and nearly 58 percent graduate from ISU within four years. SUI's

Adult Literacy: Postsecondary Education and Employment

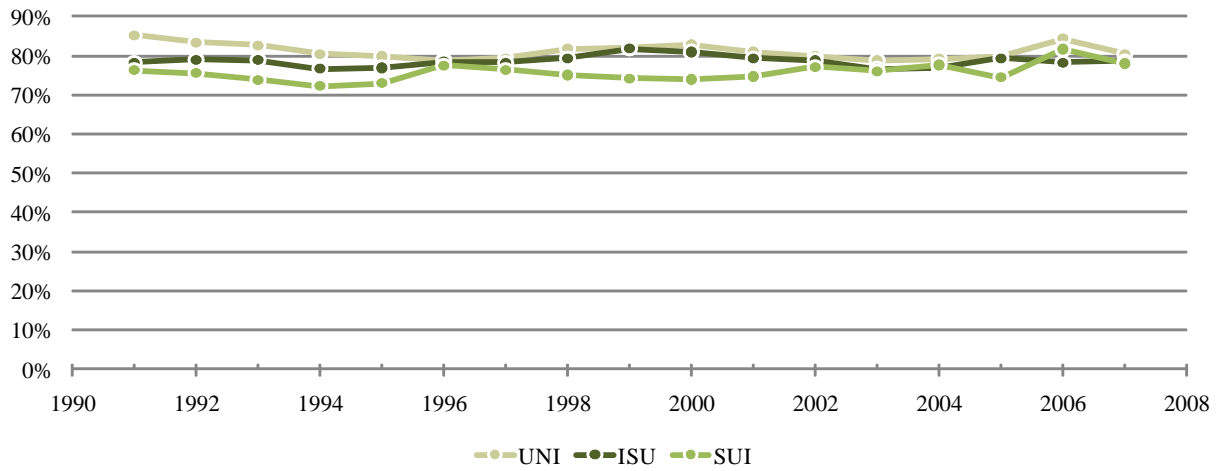
A primary focus of Iowa's Adult Basic Education (ABE) program is to transition students from acquiring basic skills to earning a high school equivalency diploma to postsecondary credit education or non-credit training. Iowa's community college programs offer many non-credit training opportunities including provide skilled training in high demand occupations. Adult literacy programs engage in goal setting with participants to determine attainable outcomes each program year. Students with higher levels of basic skills learn about career training opportunities and set attainable goals for postsecondary education and training. Data matching against the Management Information System (MIS) is used to determine the percentage of students who received training that indicated postsecondary education or training as a goal.

For fiscal year 2008, MIS data was used in conjunction with data from the National Student Clearinghouse for the first time. Previously, from fiscal year 2005 to 2007, students were only identified through the MIS.

In 2008, 411 students indicated intent to transition to postsecondary education; either in credit education or non-credit education and training programs. The data match indicated that 297 students (72%) enrolled in postsecondary education (Figure 12-11).

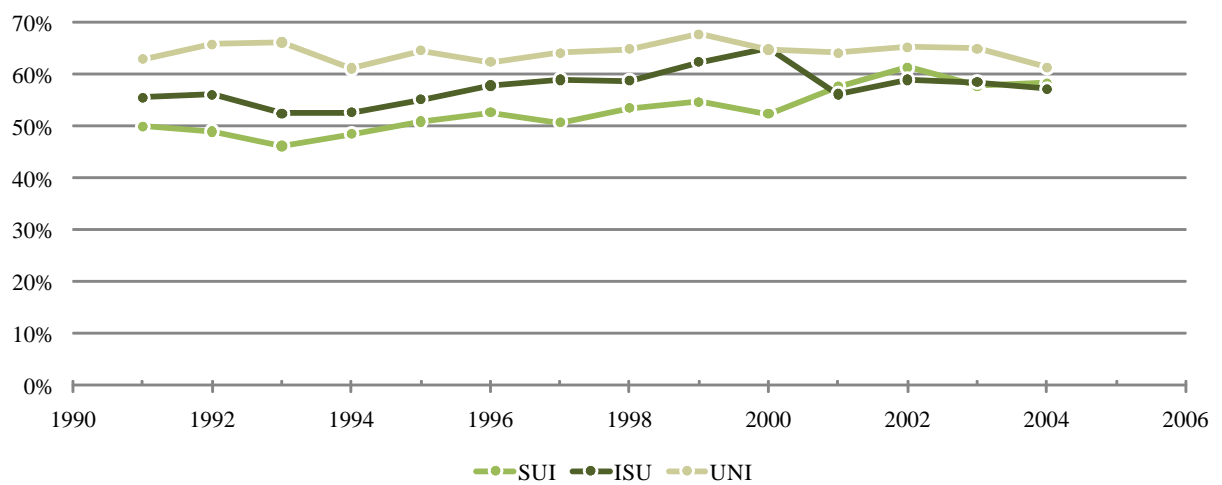
Iowa's adult literacy programs engage in employment

Figure 12-9: Retention Rate for Transfer Students at Public Universities: 1991-2007



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, and National Student Clearinghouse, see Table 12-15.

Figure 12-10: Graduation Rate for Transfer Students at Public Universities: 1991-2004



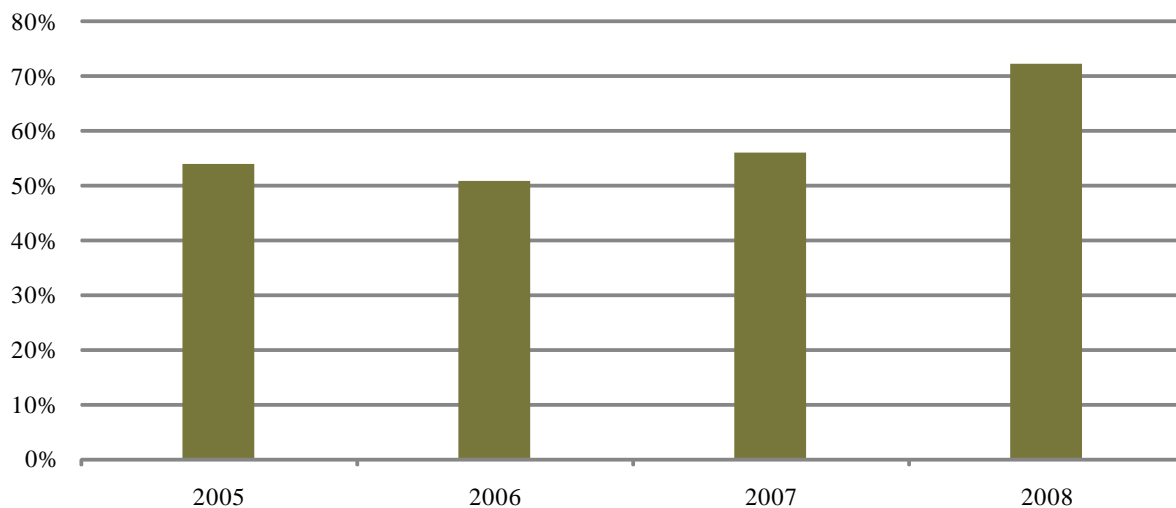
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, and National Student Clearinghouse, see Table 12-16.

goal setting with participants upon entry into the program. Workforce and basic skills are assessed and programs work with participants to determine career readiness and skills needed to obtain a job in a desired field. Iowa tracks participants indicating that obtaining employment or retaining employment is an attainable goal within the program year. Since 2005, between 70 and 90 percent of participants who indicate that employment is a goal are

able to obtain employment (Figure 12-12).

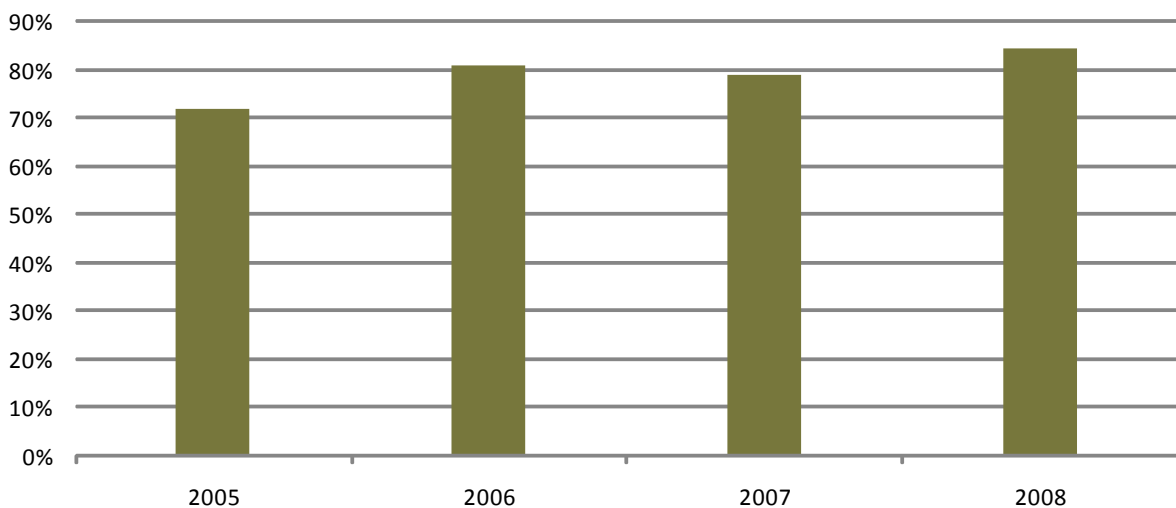
In fiscal year 2008, students indicating the intent to enter employment decreased, however, students obtaining employment increased by six percent from 2007. Additionally, in fiscal year 2008, students indicating the intent to retain employment decreased, however, the percentage of students who sought and retained employment increased by one percent.

Figure 12-11: Postsecondary Education for Adult Literacy Participants: 2005–2008



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, and National Student Clearinghouse, see Table 12-17.

Figure 12-12: Employment for Adult Literacy Participants: 2005–2008



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, and National Student Clearinghouse, see Table 12-18.

Table 12-1: Success Rate: 2005—2007 Cohorts

Cohort	Students	Success	Percentage
2005	10,376	5,433	52.4%
2006	9,243	4,869	52.7%
2007	8,596	4,592	53.4%

NOTE: Success rate includes awardees and transfers for first-time/full-time cohorts.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and National Student Clearinghouse.

Table 12-2: Success Rate by College: 2005—2007 Cohorts

College	2005		2006		2007	
	Students	Success Rate	Students	Success Rate	Students	Success Rate
Northeast	517	58.4%	436	58.7%	401	55.8%
North Iowa Area	534	57.1%	480	58.5%	177	50.7%
Iowa Lakes	438	67.4%	387	58.7%	407	60.2%
Northwest	177	57.1%	160	70.0%	155	73.1%
Iowa Central	758	54.6%	427	50.8%	317	52.3%
Iowa Valley	465	60.9%	413	55.4%	397	59.9%
Hawkeye	812	59.9%	858	56.3%	877	56.7%
Eastern Iowa	736	45.8%	707	39.7%	585	46.0%
Kirkwood	2,450	49.1%	2,119	48.9%	2,060	49.8%
Des Moines Area	922	45.7%	818	49.0%	822	47.9%
Western Iowa Tech	335	51.6%	269	48.7%	279	50.7%
Iowa Western	652	52.5%	602	51.3%	662	52.5%
Southwestern	182	67.0%	177	62.1%	224	68.7%
Indian Hills	909	53.5%	843	58.4%	874	59.2%
Southeastern	489	47.9%	450	51.6%	359	50.2%
Total	10,376	53.0%	9,146	52.5%	8,596	53.4%

Note: Year denotes when the cohort entered community college. Students are given up to three years to graduate. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-3: Success Rate by College and Race/Ethnicity: 2005 Cohort

College	American Indian	Asian	Black	Hispanic	White	No Response	Total
Northeast	NA	100.0%	66.7%	100.0%	57.4%	73.9%	58.4%
North Iowa Area	0.0%	28.6%	43.6%	21.4%	59.8%	NA	57.1%
Iowa Lakes	NA	100.0%	70.0%	33.3%	67.9%	25.0%	67.4%
Northwest	NA	NA	NA	33.3%	58.5%	40.0%	57.1%
Iowa Central	100.0%	28.6%	43.9%	41.4%	56.8%	42.9%	54.6%
Iowa Valley	25.0%	0.0%	47.2%	23.8%	65.0%	73.3%	60.9%
Hawkeye	0.0%	60.0%	19.4%	60.0%	61.4%	88.9%	59.9%
Eastern Iowa	20.0%	42.9%	24.0%	34.8%	48.6%	39.1%	45.8%
Kirkwood	19.2%	35.3%	21.5%	22.9%	52.0%	41.3%	49.1%
Des Moines Area	43.8%	53.8%	30.0%	44.4%	46.4%	43.5%	45.7%
Western Iowa Tech	50.0%	12.5%	22.2%	42.9%	53.1%	66.7%	51.6%
Iowa Western	0.0%	14.3%	55.8%	43.5%	53.9%	46.8%	52.5%
Southwestern	NA	0.0%	57.1%	50.0%	68.6%	NA	67.0%
Indian Hills	50.0%	33.3%	25.0%	47.4%	54.7%	43.5%	53.5%
Southeastern	50.0%	100.0%	42.9%	33.3%	48.2%	54.2%	47.9%
Total	30.6%	38.1%	36.5%	35.7%	55.1%	47.1%	53.0%

NOTE: Year denotes when the cohort entered community college. Students are given up to three years to graduate. "NA" denotes no students were in that sub-cohort.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-4: Success Rate by College and Race/Ethnicity: 2006 Cohort

College	American Indian	Asian	Black	Hispanic	White	No Response	Total
Northeast	NA	100.0%	33.3%	50.0%	58.6%	62.1%	58.7%
North Iowa Area	0.0%	66.7%	22.6%	57.1%	61.1%	100.0%	58.5%
Iowa Lakes	0.0%	50.0%	38.5%	50.0%	60.0%	50.0%	58.7%
Northwest	100.0%	NA	NA	0.0%	69.5%	100.0%	70.0%
Iowa Central	NA	63.6%	42.2%	33.3%	53.7%	26.7%	50.8%
Iowa Valley	37.5%	37.5%	45.8%	40.0%	58.4%	64.3%	55.4%
Hawkeye	0.0%	20.0%	33.3%	52.6%	59.0%	41.4%	56.3%
Eastern Iowa	75.0%	14.3%	23.5%	19.5%	43.3%	34.4%	39.7%
Kirkwood	29.4%	40.0%	26.4%	25.0%	51.3%	47.3%	48.9%
Des Moines Area	50.0%	40.0%	43.8%	44.0%	48.9%	61.1%	49.0%
Western Iowa Tech	50.0%	58.3%	33.3%	31.6%	49.0%	57.1%	48.7%
Iowa Western	0.0%	50.0%	45.9%	50.0%	51.8%	55.2%	51.3%
Southwestern	NA	50.0%	44.4%	100.0%	62.1%	NA	62.1%
Indian Hills	33.3%	50.0%	64.7%	36.0%	59.2%	55.6%	58.4%
Southeastern	0.0%	25.0%	26.7%	38.9%	53.1%	62.1%	51.6%
Total	33.9%	41.5%	36.3%	36.7%	54.4%	50.5%	52.5%

NOTE: Year denotes when the cohort entered community college. Students are given up to three years to graduate. "NA" denotes no students were in that sub-cohort.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-5: Success Rate by College and Race/Ethnicity: 2007 Cohort

College	American Indian	Asian	Black	Hispanic	White	No Response	Total
Northeast	NA	0.0%	0.0%	0.0%	56.6%	51.4%	58.7%
North Iowa Area	NA	100.0%	44.2%	66.7%	51.5%	100.0%	58.5%
Iowa Lakes	NA	66.7%	73.3%	30.8%	60.4%	62.5%	58.7%
Northwest	0.0%	NA	NA	66.7%	73.6%	73.9%	70.0%
Iowa Central	100.0%	66.7%	36.9%	21.4%	56.1%	52.6%	50.8%
Iowa Valley	0.0%	33.3%	44.9%	52.4%	62.8%	57.1%	55.4%
Hawkeye	50.0%	53.8%	26.8%	50.0%	58.6%	55.6%	56.3%
Eastern Iowa	22.2%	75.0%	19.4%	33.3%	48.0%	44.2%	39.7%
Kirkwood	53.8%	37.2%	29.1%	27.8%	51.8%	40.0%	48.9%
Des Moines Area	25.0%	44.9%	30.9%	48.9%	49.3%	49.1%	49.0%
Western Iowa Tech	50.0%	41.7%	50.0%	33.3%	52.0%	53.2%	48.7%
Iowa Western	16.7%	58.3%	55.1%	38.1%	53.7%	49.0%	51.3%
Southwestern	NA	NA	41.7%	33.3%	70.3%	NA	62.1%
Indian Hills	80.0%	62.5%	56.0%	29.0%	59.8%	66.7%	58.4%
Southeastern	0.0%	20.0%	41.7%	35.0%	51.7%	56.3%	51.6%
Total	45.2%	47.6%	37.9%	37.5%	55.2%	49.5%	52.5%

NOTE: Year denotes when the cohort entered community college. Students are given up to three years to graduate. "NA" denotes no students were in that sub-cohort.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-6: Success Rate by College and Gender: 2005—2007 Cohorts

College	2005		2006		2007	
	Male	Female	Male	Female	Male	Female
Northeast	59.3%	57.7%	58.7%	58.7%	57.6%	53.9%
North Iowa Area	53.4%	62.3%	53.2%	66.3%	45.0%	59.8%
Iowa Lakes	64.3%	71.5%	59.5%	57.5%	63.1%	56.4%
Northwest	51.6%	71.4%	66.4%	78.0%	74.6%	69.4%
Iowa Central	56.7%	51.7%	55.0%	44.3%	53.2%	50.0%
Iowa Valley	58.9%	63.5%	52.2%	60.2%	53.3%	69.0%
Hawkeye	56.2%	63.8%	56.5%	56.0%	56.5%	57.1%
Eastern Iowa	47.5%	44.1%	38.1%	41.5%	47.7%	44.4%
Kirkwood	48.1%	50.2%	48.8%	49.1%	48.4%	51.5%
Des Moines Area	42.9%	48.9%	50.3%	47.3%	46.1%	50.4%
Western Iowa Tech	50.7%	52.4%	50.4%	47.1%	45.5%	54.5%
Iowa Western	49.7%	55.1%	48.6%	53.7%	50.2%	54.7%
Southwestern	66.7%	67.3%	61.9%	62.5%	71.1%	65.9%
Indian Hills	50.7%	56.8%	56.9%	60.2%	56.1%	62.7%
Southeastern	47.3%	48.3%	52.0%	51.0%	48.4%	52.3%
Total	51.7%	54.5%	52.2%	52.8%	52.3%	54.7%

NOTE: Year denotes when the cohort entered community college. Students are given up to three years to graduate. SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-7: Graduation Rate: 2001—2007 Cohorts

Cohort	Students	Awards	Percentage
2001	10,134	4,221	41.7%
2002	10,534	4,325	41.1%
2003	10,402	4,131	39.7%
2004	10,638	4,133	38.9%
2005	10,296	3,991	38.8%
2006	9,243	3,611	39.1%
2007	8,596	3,383	39.4%

Note: Graduation rates follows a cohort of first-time/full-time students. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-8: Graduation Rate by College: 2007 Cohort

College	2007	
	Students	Graduation Rate
Northeast	401	46.6%
North Iowa Area	177	36.7%
Iowa Lakes	407	48.4%
Northwest	155	69.7%
Iowa Central	317	36.9%
Iowa Valley	397	44.3%
Hawkeye	877	44.6%
Eastern Iowa	585	29.1%
Kirkwood	2,060	33.8%
Des Moines Area	822	28.7%
Western Iowa Tech	279	41.9%
Iowa Western	662	38.1%
Southwestern	224	58.0%
Indian Hills	874	48.1%
Southeastern	359	35.4%
Total	8,596	39.4%

NOTE: Year denotes when the cohort entered community college. Students are given up to three years to graduate.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-9: Graduation Rate by College and Race/Ethnicity: 2007 Cohort

College	American Indian	Asian	Black	Hispanic	White	No Response	Total
Northeast	NA	0.0%	0.0%	0.0%	47.7%	39.3%	46.6%
North Iowa Area	NA	100.0%	19.4%	66.7%	39.3%	100.0%	36.7%
Iowa Lakes	NA	50.0%	50.0%	0.0%	49.7%	43.8%	48.4%
Northwest	0.0%	NA	NA	50.0%	69.8%	73.9%	69.7%
Iowa Central	100.0%	50.0%	10.6%	21.4%	42.4%	30.8%	36.9%
Iowa Valley	0.0%	33.3%	25.7%	37.5%	47.5%	42.9%	44.3%
Hawkeye	50.0%	40.0%	18.8%	33.3%	46.5%	40.0%	44.6%
Eastern Iowa	0.0%	62.5%	12.1%	24.1%	30.5%	27.3%	29.1%
Kirkwood	33.3%	18.8%	11.9%	13.3%	36.1%	24.1%	33.8%
Des Moines Area	0.0%	20.6%	12.5%	35.1%	30.7%	24.7%	28.7%
Western Iowa Tech	42.9%	25.0%	50.0%	25.0%	44.3%	38.2%	41.9%
Iowa Western	0.0%	25.0%	37.1%	33.3%	39.7%	35.4%	38.1%
Southwestern	NA	NA	11.1%	0.0%	60.6%	NA	58.0%
Indian Hills	71.4%	50.0%	38.9%	19.2%	48.8%	58.8%	48.1%
Southeastern	0.0%	0.0%	27.8%	18.8%	37.2%	36.4%	35.4%
Total	30.6%	28.3%	19.6%	25.1%	41.7%	33.8%	39.4%

NOTE: Year denotes when the cohort entered community college. Students are given up to three years to graduate. "NA" denotes no students were in that sub-cohort.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-10: Graduation Rate by College and Gender: 2007 Cohort

College	2007	
	Male	Female
Northeast	48.2%	45.0%
North Iowa Area	29.4%	48.5%
Iowa Lakes	52.4%	43.3%
Northwest	72.2%	62.5%
Iowa Central	35.2%	40.8%
Iowa Valley	35.2%	56.9%
Hawkeye	43.9%	45.4%
Eastern Iowa	31.3%	27.0%
Kirkwood	32.9%	35.0%
Des Moines Area	27.2%	30.8%
Western Iowa Tech	38.3%	44.7%
Iowa Western	35.5%	40.6%
Southwestern	60.7%	55.1%
Indian Hills	44.5%	52.1%
Southeastern	32.7%	38.7%
Total	38.2%	40.9%

NOTE: Year denotes when the cohort entered community college. Students are given up to three years to graduate.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-11: Time-to-Degree by College: 2004—2005 Cohorts

College	2004		2005	
	Students	Average Years	Students	Average Years
Northeast	623	2.2	530	2.3
North Iowa Area	600	2.3	579	2.3
Iowa Lakes	490	2.0	464	2.0
Northwest	163	1.7	182	2.2
Iowa Central	531	2.6	775	2.6
Iowa Valley	492	2.3	482	2.1
Hawkeye	870	2.4	836	2.4
Eastern Iowa	906	2.9	788	2.8
Kirkwood	2,654	2.6	2,490	2.6
Des Moines Area	1,151	2.8	960	2.7
Western Iowa Tech	330	2.5	351	2.5
Iowa Western	591	2.4	660	2.5
Southwestern	194	2.0	185	1.8
Indian Hills	982	2.1	946	2.2
Southeastern	533	2.4	497	2.4
Total	11,110	2.4	10,725	2.4

NOTE: Year denotes when the cohort entered community college. Students are given up to five years to graduate. SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-12: Time-to-Degree by College and Race/Ethnicity: 2005 Cohort

College	American Indian	Asian	Black	Hispanic	White	No Response	Total
Northeast	NA	4.0	2.0	1.0	2.3	2.1	2.3
North Iowa Area	5.0	3.0	2.2	2.3	2.3	2.0	2.3
Iowa Lakes	NA	NA	2.5	3.3	2.0	2.0	2.0
Northwest	NA	NA	NA	4.0	2.2	2.3	2.2
Iowa Central	NA	2.7	3.0	2.6	2.5	3.1	2.6
Iowa Valley	2.0	4.0	2.3	2.3	2.1	2.3	2.1
Hawkeye	NA	1.8	3.3	2.0	2.4	2.4	2.4
Eastern Iowa	4.0	2.5	2.8	2.9	2.8	3.1	2.8
Kirkwood	3.2	3.2	2.9	3.3	2.6	2.8	2.6
Des Moines Area	3.7	2.8	2.4	2.8	2.7	2.9	2.7
Western Iowa Tech	2.0	NA	4.5	2.7	2.5	2.5	2.5
Iowa Western	NA	NA	2.3	2.4	2.5	2.5	2.5
Southwestern	NA	NA	2.0	2.0	1.8	NA	1.8
Indian Hills	2.0	2.0	2.5	2.5	2.2	2.4	2.2
Southeastern	NA	3.0	2.5	3.3	2.4	2.7	2.4
Total	3.1	2.8	2.6	2.7	2.4	2.7	2.4

NOTE: Year denotes when the cohort entered community college. Students are given up to five years to graduate. "NA" denotes no students were in that sub-cohort.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 12-13: Wages for Graduates: 2002 & 2006 Cohorts

Cohort	Status	2002	2003	2004	2005	2006	2007	2008
2002 Cohort	Leavers	\$14,763	\$21,621	\$24,373	\$25,859	\$27,469	\$28,681	\$27,675
	Completers	12,224	20,802	24,697	27,140	29,126	30,554	29,592
2006 Cohort	Leavers					18,618	21,757	23,297
	Completers					11,805	24,633	27,210

Note: Median salaries are shown for individuals working all four quarters. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS and Iowa Workforce Development, Unemployment Insurance records. See Iowa Department of Education & Iowa Workforce Development (2010) and section 17 of this report.

Table 12-14: Transfer Rates: 2002 Cohort

Cohort	2003	2004	2005
AA	3,713	2,048	55.2%
AAS	3,631	329	9.1%
Non-award	49,895	3,820	7.7%
Total	57,239	6,197	10.8%

NOTE: The methodology shown here differs from the method to calculate transfer in the success rate.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and National Student Clearinghouse. See Laanan, Caompton, Starobin, Eggleston, Duree, Friedel, and Evans (2007).

Table 12-15: One-Year Retention Rate of Community College Transfers at Public Universities: 1991–2007

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
UNI	85.2	83.4	82.7	80.4	79.8	78.9	79.4	81.8	82	82.9	80.9	79.8	78.8	79.2	79.9	84.4	80.4
ISU	78.3	79	78.9	76.6	76.9	78.5	78.2	79.4	81.8	80.9	79.4	78.7	76.6	77	79.3	78.2	78.6
SUI	76.3	75.5	73.8	72.2	73	77.5	76.4	75.1	74.2	74	74.7	77.1	76.1	77.6	74.5	81.7	78

Source: State of Iowa Board of Regents (2009)

Table 12-16: Four-Year Graduation Rate of Community College Transfers at Public Universities: 1991–2004

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
SUI	50	49	46.2	48.5	50.9	52.7	50.7	53.5	54.7	52.4	57.7	61.4	57.8	58.3
ISU	55.6	56.1	52.5	52.7	55.2	57.9	59	58.8	62.4	65.1	56.2	59	58.5	57.2
UNI	63	65.8	66.2	61.2	64.6	62.4	64.2	64.9	67.8	64.8	64.2	65.3	65	61.4

Source: State of Iowa Board of Regents (2009)

Table 12-17: Postsecondary Education for Adult Literacy Participants: 2005–2008

Program Year	Cohort	Enter Postsecondary Education	Percentage
2005	635	344	54.0%
2006	561	285	51.0%
2007	578	315	56.0%
2008	411	297	72.3%

NOTE: Data from 2005 through 2008 only uses MIS data. Data from 2008 incorporated data from the National Student Clearinghouse.

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and National Student Clearinghouse.

Table 12-18: New Employment & Retention for Adult Literacy Participants: 2005–2008

Program Year	Enter Employment			Retain Employment		
2005	810	583	72.0%	1,007	874	87.0%
2006	608	494	81.0%	816	725	89.0%
2007	382	302	79.0%	838	679	81.0%
2008	361	305	84.5%	788	642	81.5%

Note: Data from 2005 and 2006 combined a data match and mailed survey. In 2007 and 2008, the data match was the only source. Source: Iowa Department of Education, Bureau of Community College Services.

13

TUITION AND FEES

When comparing full-time community college resident tuition in 2009 dollars, the state average increased 5.84 percent in the 2009-2010 school year from the previous year. From 2004-2005 through the 2009-2010 school year, full-time resident tuition increased 13.57 percent in 2009 dollars, or around 2.26 percent per year. The low tuition increased 5.99 percent from the previous year, while the high tuition amount increased 6.53 percent (Figure 13-1).

Inflation-adjusted resident tuition per credit hour increased 5.83 percent in the 2009-2010 school year. Since 2004-2005, the average resident tuition per credit hour has increased 13.57 percent in 2009 dollars, or 2.26 percent per year (Figure 13-2). The low resident tuition per credit hour amount has increased 5.97 percent since 2004-2005, while the high amount has increased 15.18 percent during that same time period.

The examination of the annual full-time fees in 2009 dollars indicates that the state average actually fell to

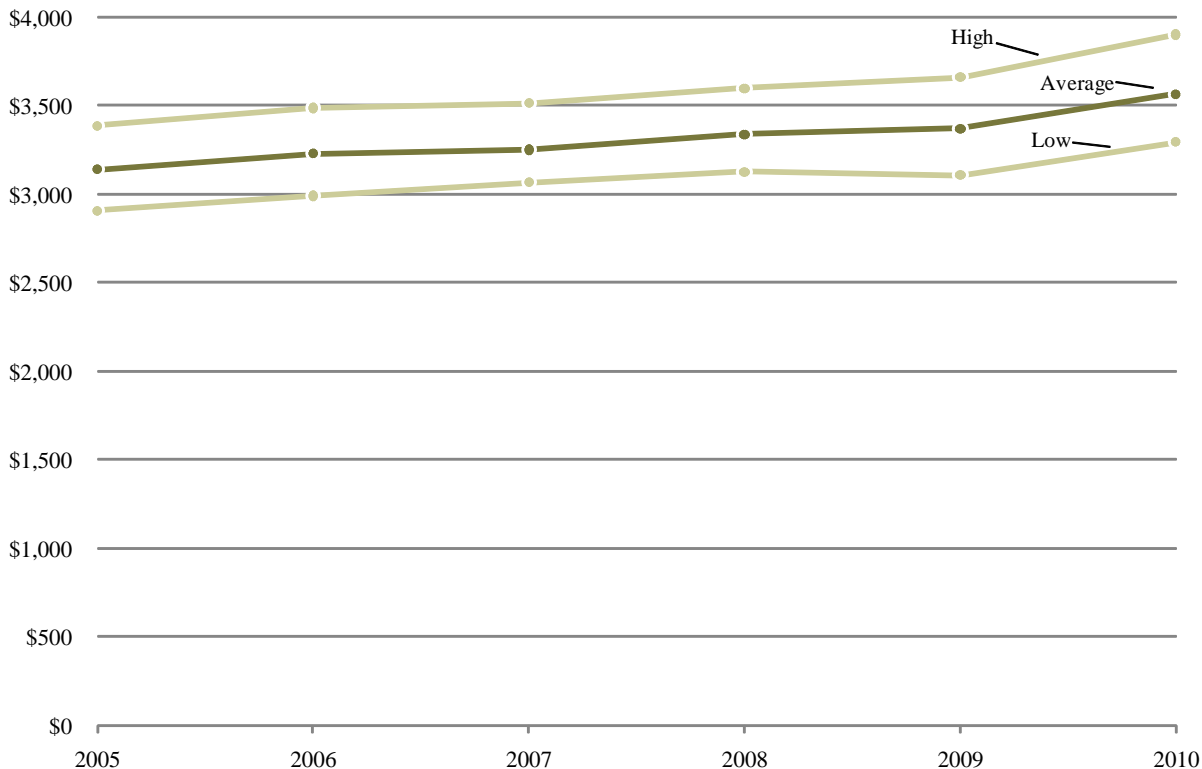
TUITION AND FEES	
FULL-TIME RESIDENT TUITION	TUITION CHANGE:
\$3,566	↑ 5.8%
AVERAGE ANNUAL FEES	FEE CHANGE SINCE LAST YEAR:
\$276	↓ 1.8%

\$276 or a 1.78 percent from 2008-2009. Overall, the state average has fallen 11.82 percent since 2004-2005, or an average of 1.97 percent in 2009 dollars per year. The high amount of annual full-time fees has increased 0.13 percent since 2004-2005 (Figure 13-3).

Comparison to National Average

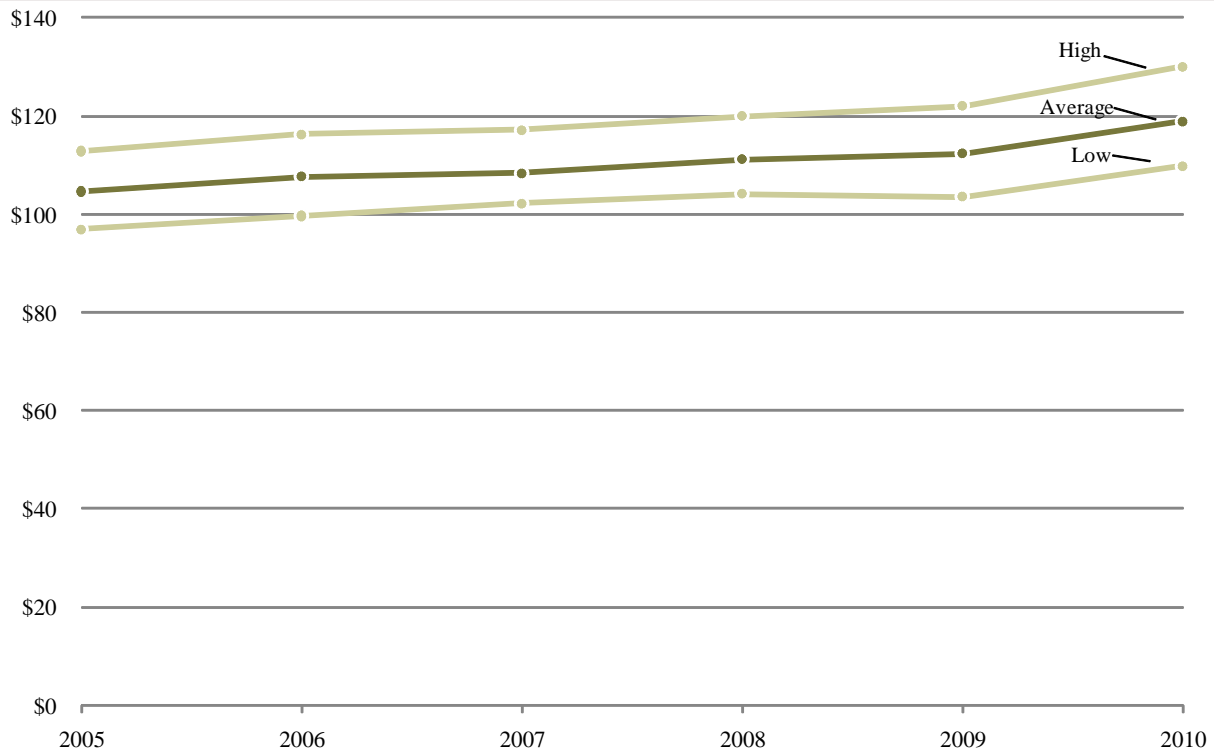
The following information uses data from *The Chronicle of Higher Education, Almanac Issue 2009-2010*. This report provides data through 2007, which is

Figure 13-1: Adjusted Full-time Resident Tuition: 2005-2010



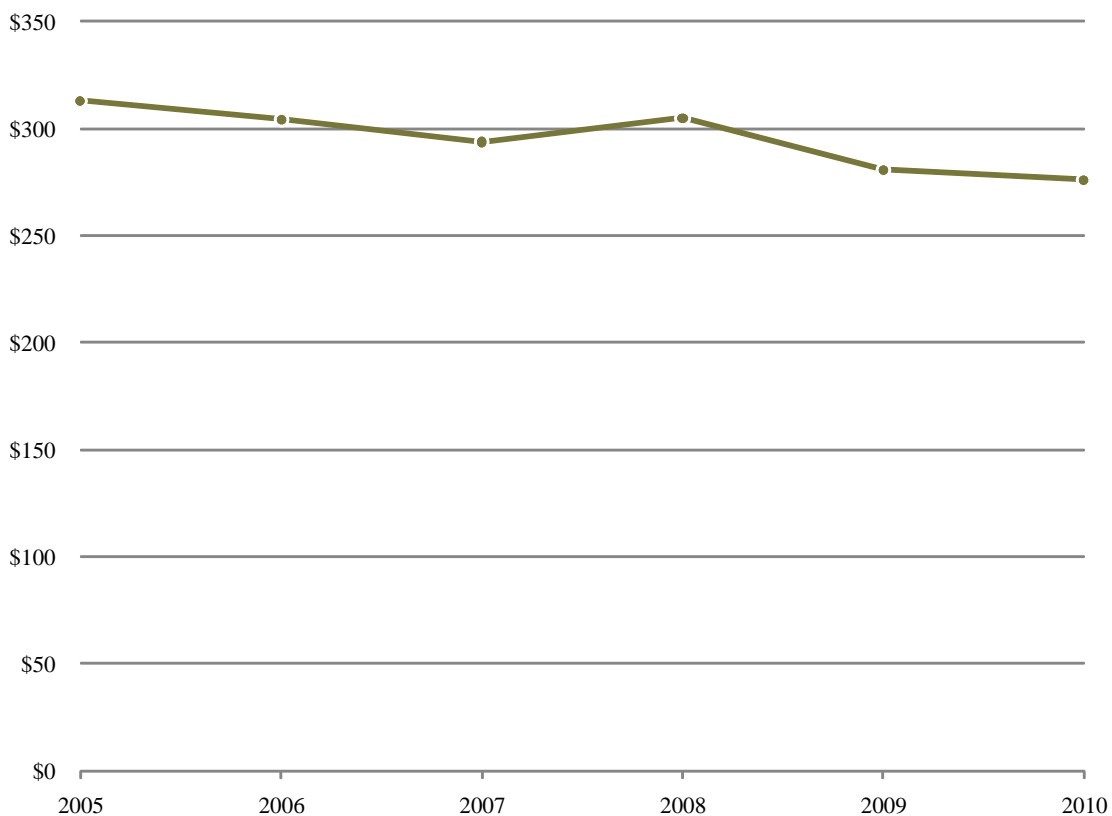
SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 13-2

Figure 13-2: Adjusted Resident Tuition per Credit Hour: 2005-2010



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 13-3.

Figure 13-3: Adjusted Average Annual Full-time Fees: 2005-2010



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 13-4.

the most recent national higher education tuition data available. The information will differ from the previous sections as the *Chronicle* data is based on information supplied to the U.S. Department of Education and includes student fees. Iowa Department of Education tables are based on information provided and verified by Iowa community colleges to the Division of Community Colleges and Workforce Preparation. In comparison to the state average community college tuition and fees, the national average has increased at a faster rate from 2000-2007 when compared in 2009 dollars. The national average has increased 32 percent during that time while the state average increased 33 percent (Figure 13-4). The state average increased 1.42 percent from 2006 to 2007, while the national average increased 2.14 percent during that same time period.

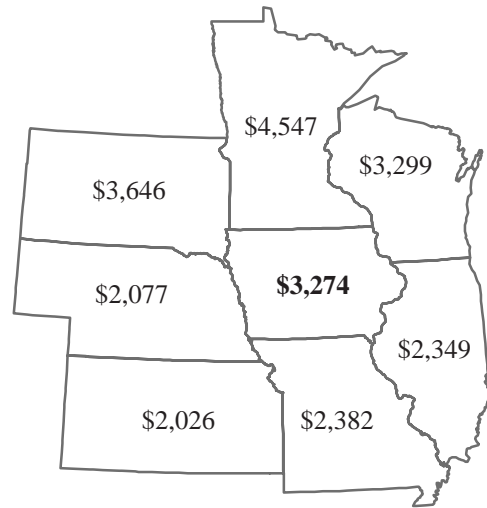
Regional Comparison

A regional comparison of tuition and fees in 2009 dollars shows that Iowa ranked as the fourth highest state in the region in terms of tuition and fees costs in 2007 (Figure 13-5). However, from 2002-2007 only Nebraska and South Dakota's tuition and fees grew at a slower rate than Iowa's. During that time Iowa's tuition and fees increased 16 percent, or 2.67 percent on average per year.

Comparison to Public Universities

Iowa Code limits the total tuition for Iowa residents

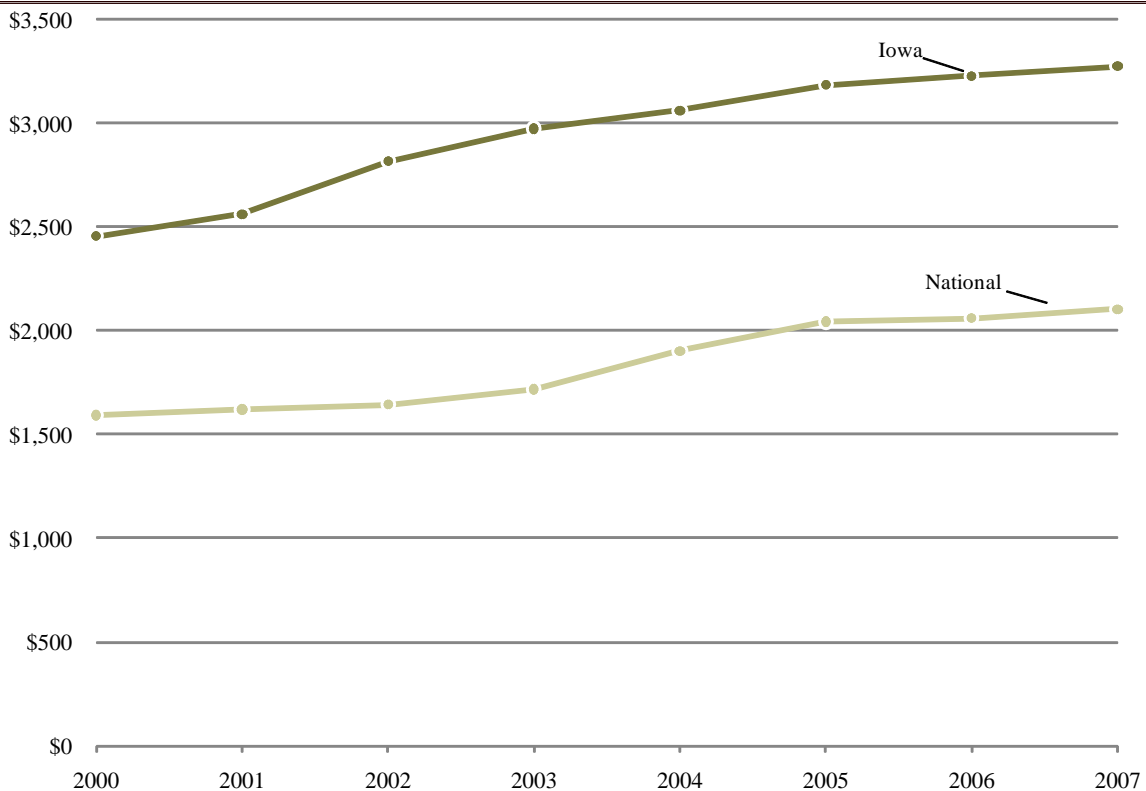
Figure 13-5: Adjusted Average Tuition and Fees, Iowa and Surrounding States: 2007



NOTE: Adjusted to 2009 amounts. SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 13-7.

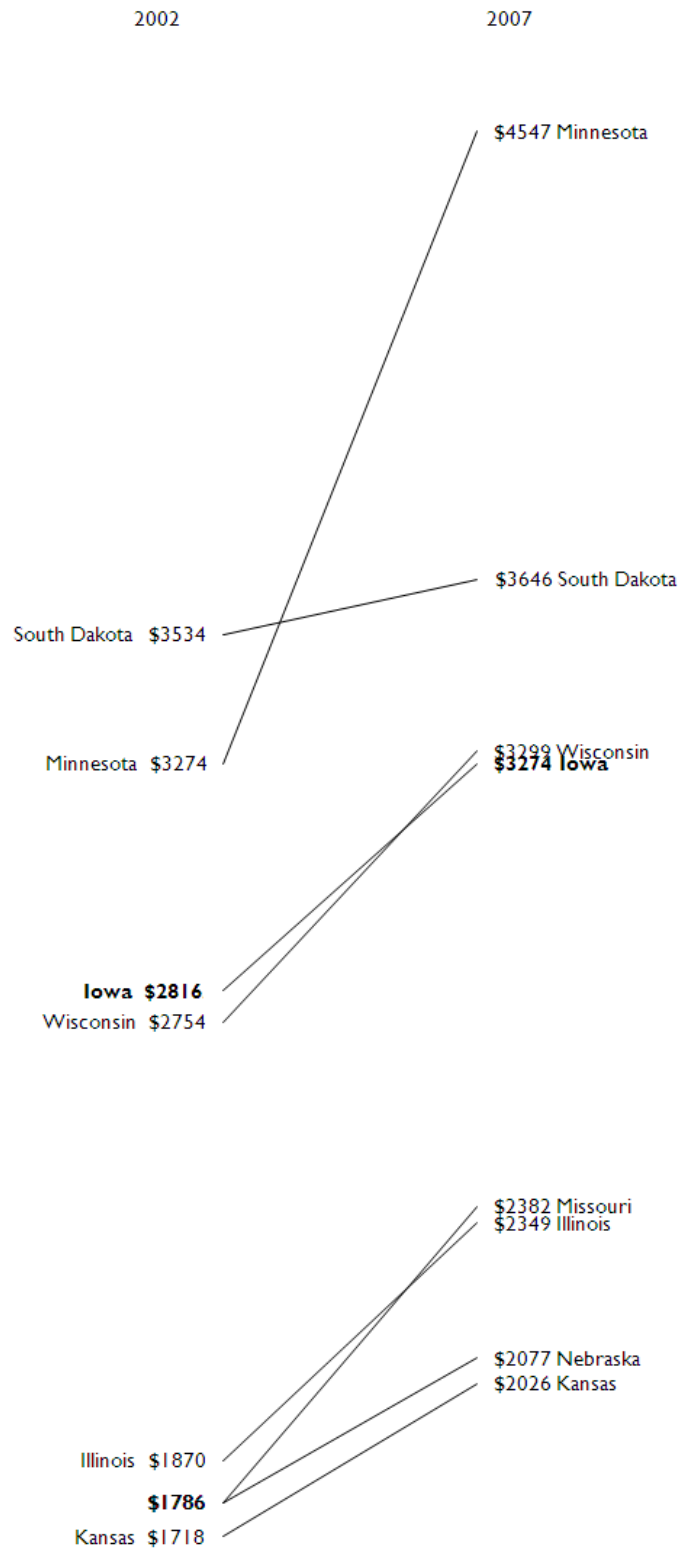
attending community colleges so as not to exceed the lowest tuition rate per semester charged by a Regent institution for a full-time resident student. When comparing full-time tuition rates in 2009 dollars between community colleges and public four-year universities, an

Figure 13-4: Adjusted National and State Average Tuition and Fees: 2000-2007



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 13-7.

Figure 13-5: Adjusted Regional Comparison of Tuition and Fees: 2002-2006



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 13-7.

analysis indicates that community college rates increased 13.57 percent from 2004-2005 to 2009-2010 (Figure 13-6). During that same time period, the Iowa public universities increased 7.54 percent. The community college rates increased 5.16 percent over the previous year, while Regent universities increased 4.17 percent in 2009 dollars.

In comparing full-time tuition increases between the two in 2009 dollars, an analysis indicates that the community colleges tuition increased \$176 from the previous year. Public university tuition increased \$233 when adjusting all tuition rates to 2009 dollars. Overall, Iowa public universities have raised tuition rates \$1,518 since 2004-2005 when compared in 2009 dollars, while the community colleges have increased rates \$1,031 during that same time period.

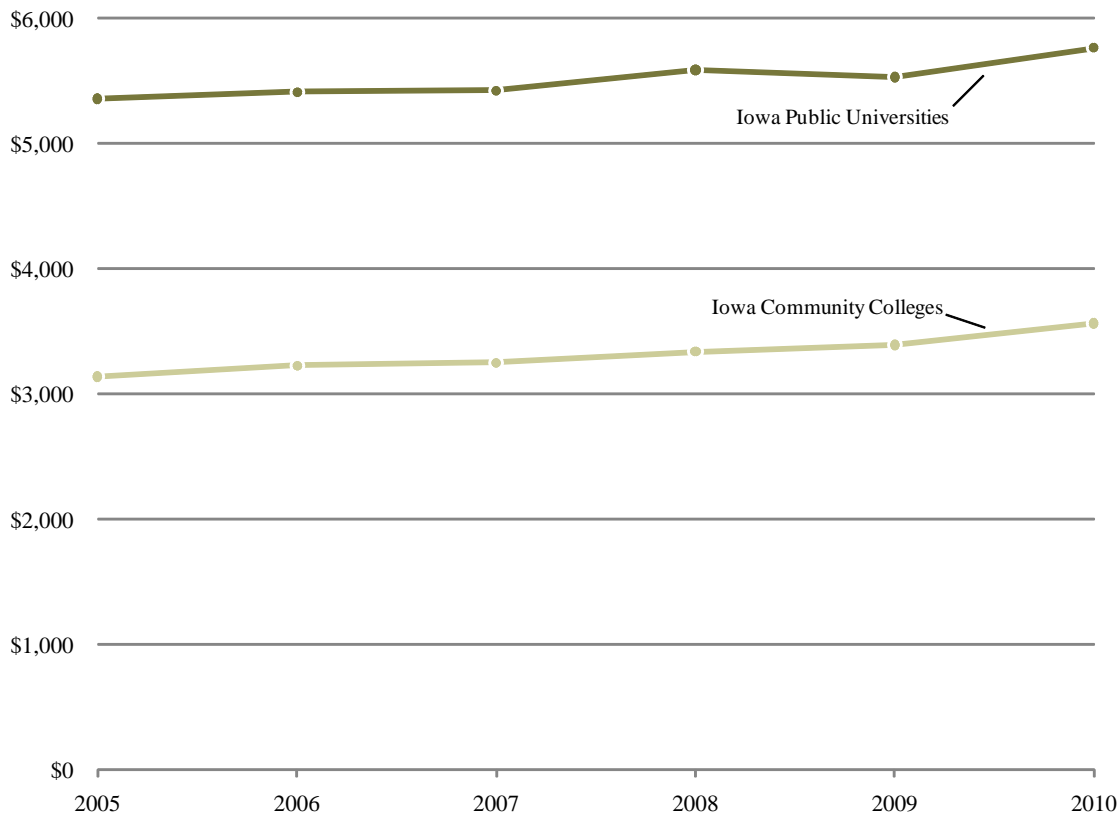
AVERAGE ANNUAL TUITION 2008-2009
Iowa Community Colleges

\$3,566

Iowa Public Universities

\$5,765

Figure 13-6: Adjusted Average Annual Full-time Tuition Rates, Iowa Community Colleges and Public Universities: 2005-2010



SOURCE: Iowa Department of Education, Bureau of Community Colleges, Table 13-8.

Table 13-1: Resident Tuition and Fees (12 Credit Hours Per Term): 2008-2009 and 2009-2010 Academic Years

Community College	2008-2009			2009-2010			Increases			Percent Increase
	Tuition	Fees	Total	Tuition	Fees	Total	Tuition	Fees	Total	
Northeast Iowa	\$2,928.87	\$312.09	\$3,240.97	\$3,120.00	\$312.00	\$3,432.00	\$191.13	(\$0.09)	\$191.03	5.89%
North Iowa Area	2,485.74	304.89	2,790.63	2,634.24	318.72	2,952.96	148.50	13.83	162.33	5.82%
Iowa Lakes	2,880.86	440.13	3,320.99	3,072.00	414.00	3,486.00	191.14	(26.13)	165.01	4.97%
Northwest Iowa	2,712.81	264.08	2,976.89	2,856.00	264.00	3,120.00	143.19	(0.08)	143.11	4.81%
Iowa Central	2,616.78	264.08	2,880.86	2,784.00	288.00	3,072.00	167.22	23.92	191.14	6.63%
Iowa Valley - MCC	2,856.85	624.19	3,481.04	3,048.00	624.00	3,672.00	191.15	(0.19)	190.96	5.49%
- ECC	2,856.85	576.17	3,433.02	3,048.00	624.00	3,672.00	191.15	47.83	238.98	6.96%
Hawkeye	2,712.81	264.08	2,976.89	2,904.00	168.00	3,072.00	191.19	(96.08)	95.11	3.20%
Eastern Iowa	2,568.77	0.00	2,568.77	2,688.00	0.00	2,688.00	119.23	0.00	119.23	4.64%
Kirkwood	2,568.77	0.00	2,568.77	2,664.00	0.00	2,664.00	95.23	0.00	95.23	3.71%
Des Moines Area	2,568.77	0.00	2,568.77	2,760.00	0.00	2,760.00	191.23	0.00	191.23	7.44%
Western Iowa Tech	2,616.78	372.11	2,988.89	2,760.00	372.00	3,132.00	143.22	(0.11)	143.11	4.79%
Iowa Western	2,664.80	264.08	2,928.87	2,856.00	264.00	3,120.00	191.20	(0.08)	191.13	6.53%
Southwestern	2,652.79	288.09	2,940.88	2,784.00	288.00	3,072.00	131.21	(0.09)	131.12	4.46%
Indian Hills	2,832.85	0.00	2,832.85	2,976.00	0.00	2,976.00	143.15	0.00	143.15	5.05%
Southeastern	2,760.82	0.00	2,760.82	2,880.00	0.00	2,880.00	119.18	0.00	119.18	4.32%
State Average	\$2,695.27	\$224.92	\$2,920.19	\$2,852.42	\$220.85	\$3,073.26	\$157.15	(\$4.07)	\$153.07	5.24%
Standard Deviation (C.C.)	\$128.04	\$179.97	\$256.29	\$144.54	\$182.57	\$275.76	\$31.72	\$27.08	\$33.86	1.10%
Iowa Regents Average	\$5,533.65	\$888.27	\$6,421.92	\$5,764.67	\$938.67	\$6,703.34	\$231.02	\$50.40	\$281.42	4.38%
Standard Deviation (Regents)	\$11.31	\$62.57	\$73.83	\$5,764.67	\$73.15	\$85.37	\$0.94	\$16.47	\$17.09	0.24%

NOTE: Indian Hills shown for three 12 week terms. Eight credits per term equals 12 per semester. The calculations above were performed as follows: Iowa Valley Marshelltown Community College and Ellsworth Community College were combined and an average was calculated for the college. Only fees charged for all students are included. Other fees for lab or specific programs are not included. SOURCE: Iowa Community Colleges Tuition & Fees Report 2010. Iowa State Board of Regents, Tuition Rates, December 2007 and December 2008.

Table 13-2: Resident Tuition and Fees (15 Credit Hours Per Term): 2008-2009 and 2009-2010 Academic Years

Community College	2008-2009			2009-2010			Increases			Percent Increase
	Tuition	Fees	Total	Tuition	Fees	Total	Tuition	Fees	Total	
Northeast Iowa	\$3,660.00	\$390.00	\$4,050.00	\$3,900.00	\$390.00	\$4,290.00	\$240.00	\$0.00	\$240.00	5.93%
North Iowa Area	3,106.50	381.00	3,487.50	3,292.80	398.40	3,691.20	186.30	17.40	203.70	5.84%
Iowa Lakes	3,600.00	545.00	4,145.00	3,840.00	517.50	4,357.50	240.00	(27.50)	212.50	5.13%
Northwest Iowa	3,390.00	330.00	3,720.00	3,570.00	330.00	3,900.00	180.00	0.00	180.00	4.84%
Iowa Central	3,270.00	330.00	3,600.00	3,480.00	360.00	3,840.00	210.00	30.00	240.00	6.67%
Iowa Valley - MCC	3,570.00	780.00	4,350.00	3,810.00	780.00	4,590.00	240.00	0.00	240.00	5.52%
- ECC	3,570.00	720.00	4,290.00	3,810.00	780.00	4,590.00	240.00	60.00	300.00	6.99%
Hawkeye	3,390.00	330.00	3,720.00	3,630.00	210.00	3,840.00	240.00	(120.00)	120.00	3.23%
Eastern Iowa	3,210.00	0.00	3,210.00	3,360.00	0.00	3,360.00	150.00	0.00	150.00	4.67%
Kirkwood	3,210.00	0.00	3,210.00	3,330.00	0.00	3,330.00	120.00	0.00	120.00	3.74%
Des Moines Area	3,210.00	0.00	3,210.00	3,450.00	0.00	3,450.00	240.00	0.00	240.00	7.48%
Western Iowa Tech	3,270.00	465.00	3,735.00	3,450.00	465.00	3,915.00	180.00	0.00	180.00	4.82%
Iowa Western	3,330.00	330.00	3,660.00	3,570.00	330.00	3,900.00	240.00	0.00	240.00	6.56%
Southwestern	3,315.00	360.00	3,675.00	3,480.00	360.00	3,840.00	165.00	0.00	165.00	4.49%
Indian Hills (1)	3,540.00	0.00	3,540.00	3,720.00	0.00	3,720.00	180.00	0.00	180.00	5.08%
Southeastern	3,450.00	0.00	3,450.00	3,600.00	0.00	3,600.00	150.00	0.00	150.00	4.35%
State Average	\$3,368.10	\$280.73	\$3,650.83	\$3,565.52	\$276.06	\$3,841.58	\$197.42	(\$4.67)	\$192.75	5.28%
Std. Dev. (C.C.)	\$159.98	\$224.51	\$319.74	\$180.67	\$228.21	\$344.71	\$39.68	\$33.60	\$42.51	\$0.01
Iowa Regents Average	\$5,532.00	\$888.00	\$6,420.00	\$5,764.67	\$938.67	\$6,703.34	\$232.67	\$50.67	\$283.34	4.41%
Std. Dev. (Regents)	\$11.31	\$62.57	\$73.83	\$12.26	\$73.15	\$85.37	\$0.94	\$16.47	\$17.09	0.24%

NOTE: Indian Hills shown for three 12 week terms. Eight credits per term equals 12 per semester. The calculations above were performed as follows: Iowa Valley Marshalltown Community College and Ellsworth Community College were combined and an average was calculated for the college. Only fees charged for all students are included. Other fees for lab or specific programs are not included. SOURCE: Iowa Community Colleges Tuition & Fees Report 2010. Iowa State Board of Regents, Tuition Rates, December 2007 and December 2008.

Table 13-3: Resident Tuition per Credit Hour: 2008-2009 and 2009-2010 Academic Years

Community College	2008-2009			2009-2010			Increases			Percent Increase
	Tuition	Fees	Total	Tuition	Fees	Total	Tuition	Fees	Total	
Northeast Iowa	\$2,928.87	\$312.09	\$3,240.97	\$3,120.00	\$312.00	\$3,432.00	\$191.13	(\$0.09)	\$191.03	5.89%
North Iowa Area	2,485.74	304.89	2,790.63	2,634.24	318.72	2,952.96	148.50	13.83	162.33	5.82%
Iowa Lakes	2,880.86	440.13	3,320.99	3,072.00	414.00	3,486.00	191.14	(26.13)	165.01	4.97%
Northwest Iowa	2,712.81	264.08	2,976.89	2,856.00	264.00	3,120.00	143.19	(0.08)	143.11	4.81%
Iowa Central	2,616.78	264.08	2,880.86	2,784.00	288.00	3,072.00	167.22	23.92	191.14	6.63%
Iowa Valley - MCC	2,856.85	624.19	3,481.04	3,048.00	624.00	3,672.00	191.15	(0.19)	190.96	5.49%
- ECC	2,856.85	576.17	3,433.02	3,048.00	624.00	3,672.00	191.15	47.83	238.98	6.96%
Hawkeye	2,712.81	264.08	2,976.89	2,904.00	168.00	3,072.00	191.19	(96.08)	95.11	3.20%
Eastern Iowa	2,568.77	0.00	2,568.77	2,688.00	0.00	2,688.00	119.23	0.00	119.23	4.64%
Kirkwood	2,568.77	0.00	2,568.77	2,664.00	0.00	2,664.00	95.23	0.00	95.23	3.71%
Des Moines Area	2,568.77	0.00	2,568.77	2,760.00	0.00	2,760.00	191.23	0.00	191.23	7.44%
Western Iowa Tech	2,616.78	372.11	2,988.89	2,760.00	372.00	3,132.00	143.22	(0.11)	143.11	4.79%
Iowa Western	2,664.80	264.08	2,928.87	2,856.00	264.00	3,120.00	191.20	(0.08)	191.13	6.53%
Southwestern	2,652.79	288.09	2,940.88	2,784.00	288.00	3,072.00	131.21	(0.09)	131.12	4.46%
Indian Hills	2,832.85	0.00	2,832.85	2,976.00	0.00	2,976.00	143.15	0.00	143.15	5.05%
Southeastern	2,760.82	0.00	2,760.82	2,880.00	0.00	2,880.00	119.18	0.00	119.18	4.32%
State Average	\$2,695.27	\$224.92	\$2,920.19	\$2,852.42	\$220.85	\$3,073.26	\$157.15	(\$4.07)	\$153.07	5.24%
Standard Deviation (C.C.)	\$128.04	\$179.97	\$256.29	\$144.54	\$182.57	\$275.76	\$31.72	\$27.08	\$33.86	1.10%
Iowa Regents Average	\$5,533.65	\$888.27	\$6,421.92	\$5,764.67	\$938.67	\$6,703.34	\$231.02	\$50.40	\$281.42	4.38%
Standard Deviation (Regents)	\$11.31	\$62.57	\$73.83	\$5,764.67	\$73.15	\$85.37	\$0.94	\$16.47	\$17.09	0.24%

NOTE: Indian Hills shown for three 12 week terms. Eight credits per term equals 12 per semester. The calculations above were performed as follows: Iowa Valley Marshelltown Community College and Ellsworth Community College were combined and an average was calculated for the college. Only fees charged for all students are included. Other fees for lab or specific programs are not included. Source: Iowa Community Colleges Tuition & Fees Report 2010. Iowa State Board of Regents, Tuition Rates, December 2007 and December 2008.

Table 13-4: Resident Tuition and Fees per Credit Hour: 2008-2009 Academic Year

Community College	Tuition for 15 Credits Per Term	Fees for 15 Credits Per Term	Total Tuition and Fees for 15 Credits Per Term	Tuition and Fees Per Credit Hour
Northeast Iowa	\$3,660.00	\$390.00	\$4,050.00	\$135.00
North Iowa Area	3,106.50	381.00	3,487.50	116.25
Iowa Lakes	3,600.00	545.00	4,145.00	138.17
Northwest Iowa	3,390.00	330.00	3,720.00	124.00
Iowa Central	3,270.00	330.00	3,600.00	120.00
Iowa Valley - MCC	3,570.00	780.00	4,350.00	145.00
Iowa Valley - ECC	3,570.00	720.00	4,290.00	143.00
Hawkeye	3,390.00	330.00	3,720.00	124.00
Eastern Iowa	3,210.00	0.00	3,210.00	107.00
Kirkwood	3,210.00	0.00	3,210.00	107.00
Des Moines Area	3,210.00	0.00	3,210.00	107.00
Western Iowa Tech	3,270.00	465.00	3,735.00	124.50
Iowa Western	3,330.00	330.00	3,660.00	122.00
Southwestern	3,315.00	360.00	3,675.00	122.50
Indian Hills	3,540.00	0.00	3,540.00	118.00
Southeastern	3,450.00	0.00	3,450.00	115.00
State Average¹	\$3,368.10	280.73	3,648.83	121.36
Standard Deviation	\$162.43	224.51	349.78	11.66

Note: All State Averages are calculated based on 15 community colleges. In the calculation for average fees, Iowa Valley Community College District is included as an average of Marshalltown and Ellsworth community colleges. SOURCE: Iowa Community Colleges Tuition & Fees Report 2010.

Table 13-5: Non-Resident Tuition per Credit Hour: 2008-2009 and 2009-2010 Academic Years

Community College	2008-2009 Tuition per Semester Hour	2009-2010 Tuition per Semester Hour	Increase per Hour 2008-2009	Annual - 12 Hours / Semester	Annual - 15 Hours / Semester	Percent Increase
Northeast Iowa	\$122.00	\$130.00	\$8.00	\$3,120.00	\$3,900.00	6.56%
North Iowa Area	\$155.33	\$164.64	\$9.31	\$3,951.36	\$4,939.20	5.99%
Iowa Lakes	\$122.00	\$130.00	\$8.00	\$3,120.00	\$3,900.00	6.56%
Northwest Iowa	\$148.00	\$154.00	\$6.00	\$3,696.00	\$4,620.00	4.05%
Iowa Central	\$163.50	\$174.00	\$10.50	\$4,176.00	\$5,220.00	6.42%
Iowa Valley - MCC	\$149.00	\$159.00	\$10.00	\$3,816.00	\$4,770.00	6.71%
- ECC	\$149.00	\$137.00	(\$12.00)	\$3,288.00	\$4,110.00	-8.05%
Hawkeye	\$169.50	\$146.00	(\$23.50)	\$3,504.00	\$4,380.00	-13.86%
Eastern Iowa	\$160.50	\$168.00	\$7.50	\$4,032.00	\$5,040.00	4.67%
Kirkwood	\$132.00	\$136.00	\$4.00	\$3,264.00	\$4,080.00	3.03%
Des Moines Area	\$214.00	\$230.00	\$16.00	\$5,520.00	\$6,900.00	7.48%
Western Iowa Tech	\$133.00	\$133.00	\$0.00	\$3,192.00	\$3,990.00	0.00%
Iowa Western	\$166.50	\$124.00	(\$42.50)	\$2,976.00	\$3,720.00	-25.53%
Southwestern	\$142.50	\$142.50	\$0.00	\$3,420.00	\$4,275.00	0.00%
Indian Hills (1)	\$177.00	\$186.00	\$9.00	\$4,464.00	\$5,580.00	5.08%
Southeastern	\$120.00	\$125.00	\$5.00	\$3,000.00	\$3,750.00	4.17%
State Average	\$151.66	\$152.74	\$1.09	\$3,665.82	\$4,582.28	0.72%
Standard Deviation	24.36	27.54	14.46	660.93	826.16	0.09

NOTE: Indian Hills' semester credits is equated to three 12 week terms. Eight credits per term equals 12 per semester. SOURCE: Iowa Community Colleges Tuition & Fees Report 2010.

Table 13-6: Recurring Fees for Full-time Students: 2009-2010 Academic Year

Community College	Amount	Term	Purpose	Annual - 12 Credits per Term	Annual - 12 Credits per Term
Northeast Iowa	\$13.00	Sem Hr.	General	\$312.00	\$390.00
North Iowa Area	\$3.00	Sem Hr.	Student Activity	\$72.00	\$90.00
	\$10.28	Sem Hr.	Materials/Lab/Supply	\$246.72	\$308.40
				\$318.72	\$398.40
Iowa Lakes	\$0.75	Sem Hr.	Processing	\$18.00	\$22.50
	\$10.00	Term (F/T)	Base Activity	\$20.00	\$20.00
	\$2.25	Sem Hr.	Activity	\$54.00	\$67.50
	\$6.25	Sem Hr.	General	\$150.00	\$187.50
	\$8.00	Sem Hr.	Technology	\$192.00	\$240.00
				\$434.00	\$537.50
Northwest Iowa	\$4.00	Sem Hr.	Student Fee	\$96.00	\$120.00
	\$7.00	Sem Hr.	Technology Fee	\$168.00	\$210.00
				\$264.00	\$330.00
Iowa Central	\$12.00	Sem Hr.	Student Fee	\$288.00	\$360.00
Iowa Valley					
	\$17.00	Sem Hr.	Materials & Technology Fee	\$408.00	\$510.00
(Marshalltown CC)	\$9.00	Sem Hr.	Student/Distance Learning/Facility Fee	\$216.00	\$270.00
				\$624.00	\$780.00
(Ellsworth CC)	\$17.00	Sem Hr.	Materials & Technology Fee	\$408.00	\$510.00
	\$9.00	Sem Hr.	Student/Distance Learning/Facility Fee	\$216.00	\$270.00
				\$624.00	\$780.00
Hawkeye	\$4.50	Sem Hr.	Computer	\$108.00	\$135.00
	\$2.50	Sem Hr.	Activity	\$60.00	\$75.00
Eastern Iowa	None				
Kirkwood	None				
Des Moines Area	None				
Western Iowa Tech	\$9.00	Credit Hr.	Technology	\$216.00	\$270.00
	\$6.50	Credit Hr.	Matriculation	\$156.00	\$195.00
				\$372.00	\$465.00
Iowa Western	\$11.00	Sem Hr.	Student Activity Fee	\$264.00	\$330.00
Southwestern	\$12.00	Sem Hr.	Service/Technology	\$288.00	\$360.00
				\$288.00	\$360.00
Indian Hills	None				
Southeastern	None				

NOTE: The above table may not include all fees. The fees listed include fees charged to all students. Other fees, such as lab fees or program fees, may be charged by the individual community college. SOURCE: Iowa Community Colleges Tuition & Fees Report 2010.

Table 13-7: Adjusted National and Regional Comparison of Average Tuition and Fees: 2003-2007

Location	Fiscal Year				
	2003	2004	2005	2006	2007
Illinois	\$1,931	\$2,043	\$2,161	\$2,240	\$2,349
Iowa	2,974	3,062	3,184	3,228	3,274
Kansas	1,906	2,033	2,084	2,064	2,026
Minnesota	3,347	3,206	4,251	4,350	4,547
Missouri	2,082	2,212	2,356	2,393	2,382
National	1,719	1,904	2,045	2,060	2,104
Nebraska	1,821	1,913	1,962	2,022	2,077
South Dakota	3,680	3,892	3,144	3,358	3,646
Wisconsin	2,969	2,945	3,096	3,157	3,299

NOTE: Inflation adjusted using CPI-U from the Bureau of Labor Statistics
 SOURCE: Iowa Community Colleges Tuition & Fees Report 2010. *The Chronicle of Higher Education Almanac Issue 2009-2010.*

Table 13-8: Comparison of Adjusted Annual Full-Time Tuition Rates with Iowa Public Universities: 2005-2010

Institution	Fiscal Year					
	2005	2006	2007	2008	2009	2010
Iowa Community Colleges	\$3,140	\$3,229	\$3,251	\$3,337	\$3,391	\$3,566
Iowa Regent Universities	\$5,361	\$5,414	\$5,424	\$5,591	\$5,534	\$5,765

SOURCE: Iowa Community Colleges Tuition & Fees Report 2010. *The Chronicle of Higher Education Almanac Issue 2009-2010.*

14

FINANCIAL AID

The Condition of Iowa's Community Colleges Report includes dollar amounts adjusted for inflation to permit a comparison between fiscal years. Adjustments are made from the U.S. Bureau of Labor Service's Consumer Price Index (CPI-U) by measuring July-to-July inflation. CPI-U measures the increase of prices for a typical consumer in urban areas. It is a standard index used in publications and reports.



Iowa community college students receive financial aid from federal, state, institutional, and other sources. Student financial aid includes grants, scholarships, and loans. The *Chronicle of Higher Education Almanac* Issue 2009-2010 reports that the State of Iowa spent a total of \$59,116,000 on student aid for need-based students, \$457,00 on student aid for non-need-based students, and \$6,213,000 on non-grant student aid in fiscal year 2008.

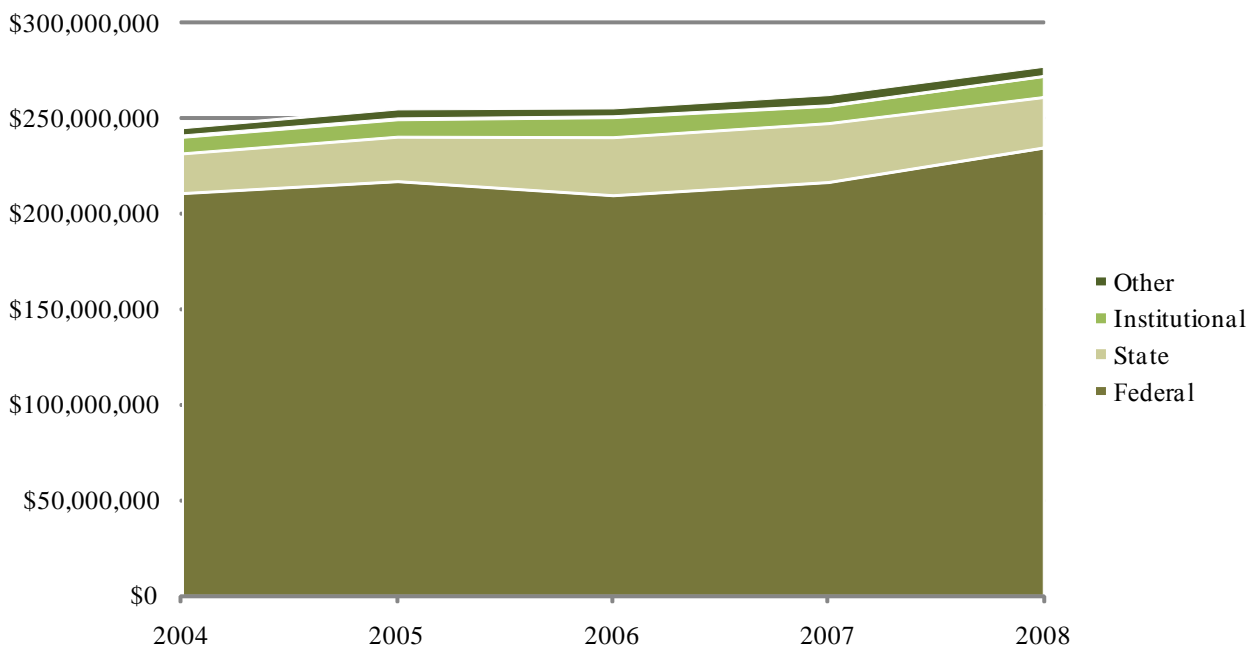
In analyzing aid by source in 2009 dollars, federal aid has decreased 7.6 percent from 2004-2008. During the same five-year period, state aid increased 10.8 percent,

institutional aid by 38.1 percent, and other aid by 14.2 percent (Figure 14-1).

Community college students received approximately 12.3 percent of all financial aid distributed to students enrolled in postsecondary institutions in fiscal year 2008 (Figure 14-2). In 2008, Iowa community college students received \$278,081,290 in financial aid -- 84.5 percent of which was from federal sources (Figure 14-1 and Figure 14-3). State sources accounted for 9.6 percent of financial aid received by community college students. Community colleges received 12.2 percent of state financial aid distributed to students. In comparison, public universities received 29.5 percent of state financial aid and independent four-year institutions received 55.5 percent.

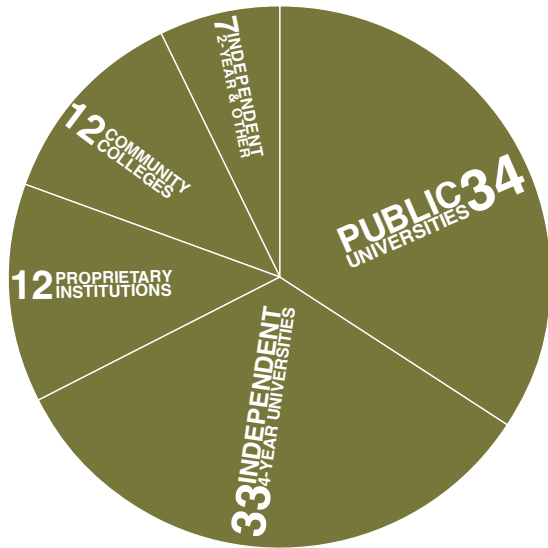
After adjusting these numbers into 2009 dollars, Iowa community college students received \$97,822,388 in grants and scholarships (Figure 14-4). Total grants and scholarships increased 8.3 percent from fiscal year 2007 to fiscal year 2008; however, it decreased 2.1 percent since fiscal year 2004.

Figure 14-1: Adjusted Student Aid, By Source: 2004-2008



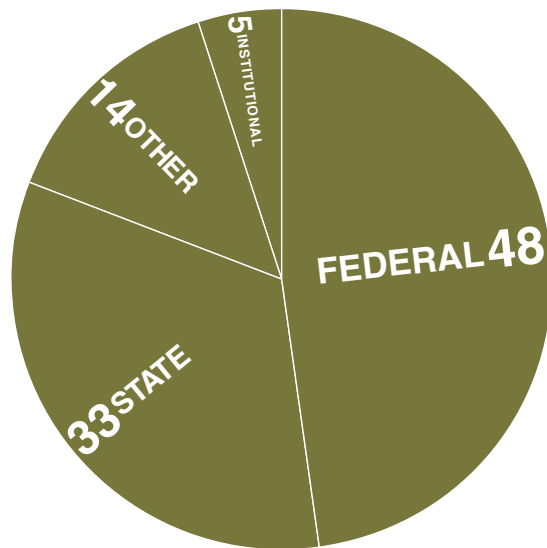
SOURCE: Iowa College Student Aid Commission, Table 14-1. NOTE: Data are as reported by Iowa colleges and universities.

Figure 14-2: Student Financial Aid, By Sector: 2008



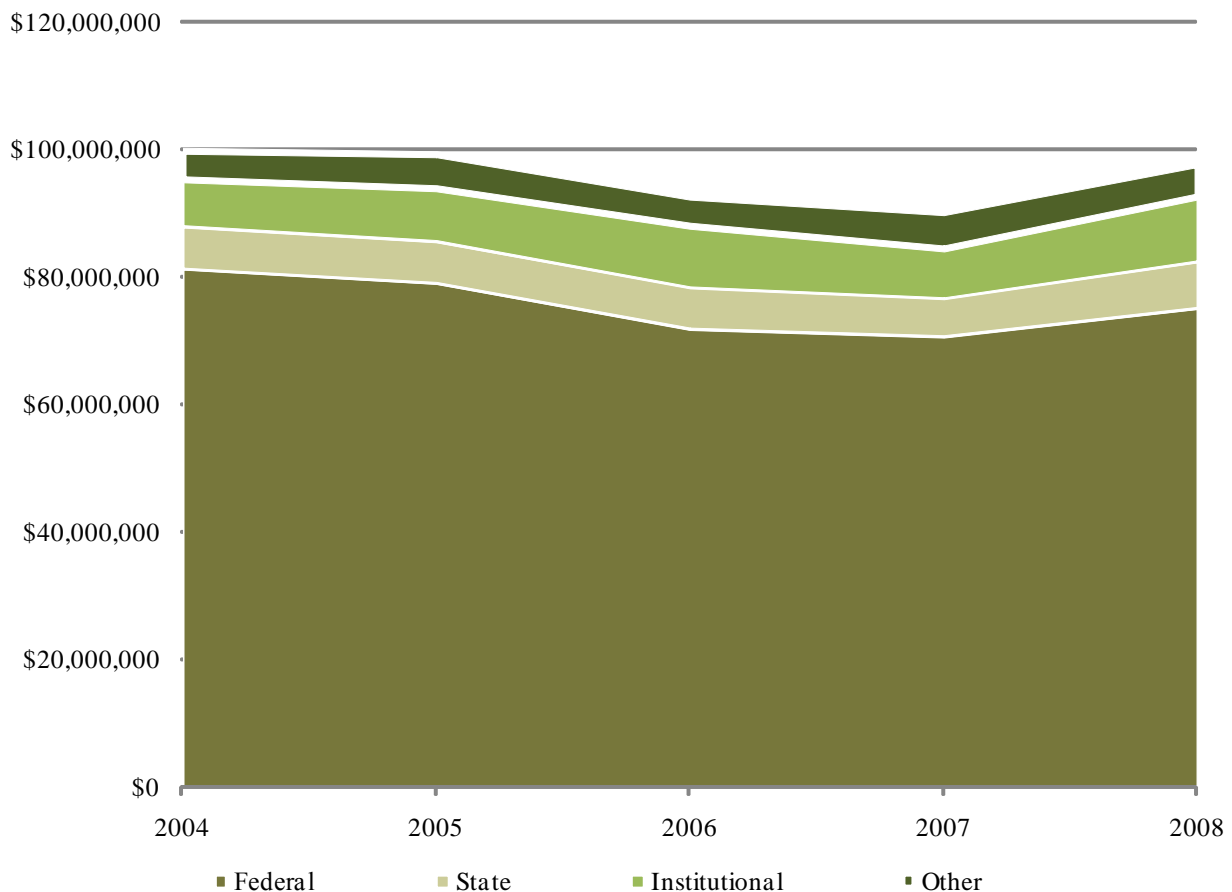
SOURCE: Iowa College Student Aid Commission, Table 14-2.
NOTE: Data are as reported by Iowa colleges and universities.

Figure 14-3: Community College Student Financial Aid, by Source: 2008



SOURCE: Iowa College Student Aid Commission, Table 14-1.
NOTE: Data are as reported by Iowa colleges and universities.

Figure 14-4: Scholarships/Grants for Students - Adjusted, by Source: 2004-2008



SOURCE: Iowa College Student Aid Commission, Table 14-4. NOTE: Data are as reported by Iowa colleges and universities.

Table 14-1: Distribution of Community College Student Aid, by Source: 2004-2008

Source	2004		2005		2006		2007		2008	
Federal	\$185,365,548	20.8%	\$196,422,467	20.8%	\$197,405,935	21.3%	\$208,089,657	17.8%	\$234,861,583	17.5%
State	18,401,960	9.8%	21,283,841	10.5%	28,733,010	11.6%	29,731,820	12.0%	26,730,227	12.2%
Institutional	7,562,179	1.7%	8,145,813	1.6%	9,754,042	1.8%	8,626,703	1.5%	11,072,677	1.9%
Other	3,887,245	6.5%	4,804,639	5.3%	4,472,009	4.8%	5,703,232	5.3%	5,416,803	5.0%
Total	215,216,932	13.5%	230,656,760	13.2%	240,364,996	13.2%	252,151,412	12.0%	278,081,290	12.3%

SOURCE: Iowa College Student Aid Commission. NOTE: Data are as reported by Iowa colleges and universities.

Table 14-2: Distribution of Student Aid (Percentage), by Sector of Postsecondary Education, by Source: 2008

Source	Community Colleges	Public Universities	Independents (4-Year)	Independents (2-Year/Other)	Proprietary Institutions	Total
Federal	17.5%	29.8%	21.0%	11.6%	20.2%	100.0%
State	12.2%	29.5%	55.5%	0.4%	2.4%	100.0%
Institutional	1.9%	41.4%	54.8%	0.5%	1.5%	100.0%
Other	5.0%	64.7%	25.2%	0.3%	4.8%	100.0%
Total	12.3%	34.4%	33.3%	7.1%	12.9%	100.0%

SOURCE: Iowa College Student Aid Commission. NOTE: Data are as reported by Iowa colleges and universities.

Table 14-3: Distribution of Student Aid, by Sector of Postsecondary Education, by Source: 2008

	Federal	State	Institutional	Other	Total
Community Colleges	\$234,861,583	\$26,730,227	\$11,072,677	\$5,416,803	\$278,081,290
Public Universities	400,874,844	64,879,438	240,535,441	69,575,212	775,864,935
Independents (4-Year)	282,076,310	122,079,950	318,245,351	27,135,978	749,537,589
Independents (2-Year/Other)	155,876,311	805,565	2,766,358	273,317	159,721,551
Proprietary Institutions	270,963,073	5,345,489	8,440,667	5,136,885	289,886,114
Total	1,344,652,121	219,840,669	581,060,494	107,538,195	2,253,091,479

SOURCE: Iowa College Student Aid Commission. NOTE: Data are as reported by Iowa colleges and universities.

Table 14-4: Non-Repayable Community College Student Aid (Grants and Scholarships), by Source: 2004-2008

Source	2004		2005		2006		2007		2008	
Federal	\$71,195,935	43.4%	\$71,269,523	44.5%	\$67,318,518	44.0%	\$67,577,879	41.8%	\$74,954,719	37.5%
State	5,837,434	9.8%	5,944,242	9.6%	6,218,932	9.4%	5,868,655	8.7%	7,369,462	11.6%
Institutional	6,446,404	2.0%	7,483,066	2.0%	9,047,047	2.2%	7,458,980	1.7%	10,147,414	2.3%
Other	3,887,245	9.1%	4,786,887	10.0%	4,261,130	8.7%	5,424,720	9.4%	5,060,148	8.3%
Total	87,367,018	14.7%	89,483,718	13.8%	86,845,627	12.6%	86,330,234	11.8%	97,531,743	12.7%

SOURCE: Iowa College Student Aid Commission. NOTE: Data are as reported by Iowa colleges and universities.

15

FINANCIAL

The total Fund 1 Unrestricted General Fund revenues increased \$22,155,230 in fiscal year 2009 from the prior year. This increase in revenue consisted, in part, from a 4.86 percent increase in State General Aid (SGA), and a 7.53 percent increase in tuition and fees. Other income as a category decreased 34.12 percent in 2009. The other income category includes revenue sources such as sales and services such as housing and rental of college property, miscellaneous receipts such as investment interest and transfers into Fund 1, and other state aid (Figure 15-1).

Tuition and fees (48.71%) was the largest source of revenue for the community colleges with SGA following at 37 percent. Local and federal sources of revenue were 4.75 and 2.45 percent, respectively.

Total revenues, adjusted to 2009 dollars, have shown an overall increase of 12.9 percent from 2005 through 2009, or an average of 2.58 percent in real dollars per year. During this time (2005–2009), tuition and fees revenue has shown a real dollar increase of 11.61 percent and SGA has increased 16.51 percent. Local revenue has

FINANCIAL

STATE GENERAL AID (SGA)

\$180,316,478

Increased 4.86 percent since 2008, reflects 1.5 percent reduction.

LARGEST EXPENDITURE BY SOURCE

SALARIES

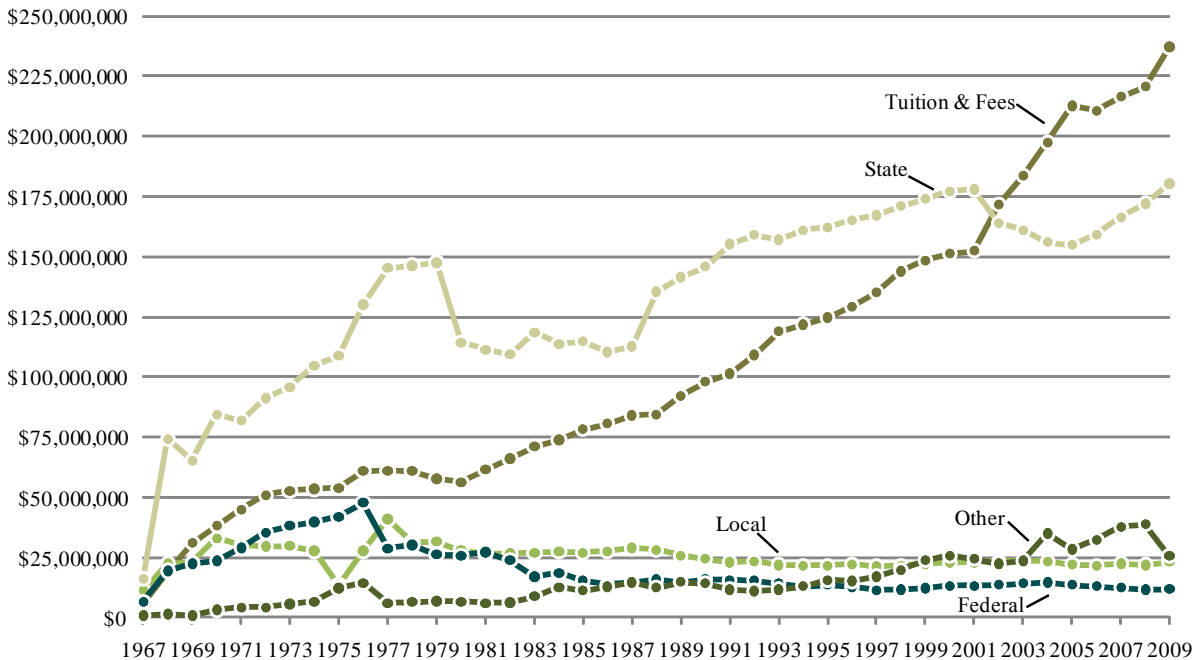
Seventy-six percent of total expenditures.

increased 4.67 percent in real dollars, and federal support has decreased 13 percent since fiscal year 2005.

Unrestricted General Fund Expenditures by Source

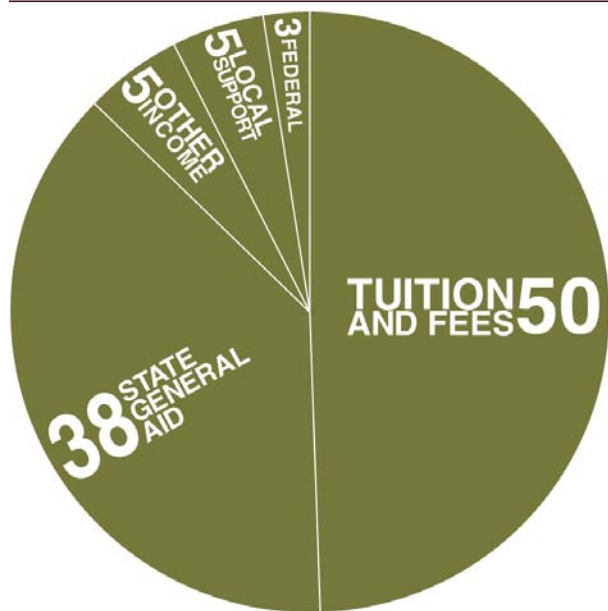
The total Unrestricted General Fund Expenditures in fiscal year 2009 increased \$19,773,674 from the previous year. The increase in expenditures included a 5.94 percent increase in salaries and benefits and capital

Figure 15-1: Adjusted Unrestricted General Fund Revenue by Source: 1967-2009



NOTE: Amounts are adjusted for inflation to 2009 amounts based upon July-to-July changes in the CPI-U. SOURCE: Iowa Department of Education, see Table 15-1 through Table 15-5.

Figure 15-2: Revenues by Source: 2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Annual Report, Unrestricted General Fund AS-15E, Fund 1. See Table 15-5.

outlay expenditures increased 21.8 percent from fiscal year 2008. Expenditures in services (-0.71 percent), materials, supplies, and travel (-3.35 percent), and current expenses (-0.04 percent) all decreased (Figure 15-3).

Total Unrestricted General Fund Expenditures, adjusted to 2009 dollars, has increased 12.31 percent from 2005 through 2009, or an average of 2.46 percent per year in real dollars. During this time period (2005-2009) salary expenditures has increased 14.07 percent, service

expenditures has increased nine percent. Capital outlays have increased six percent in real dollars since fiscal year 2005. Materials, supplies, and travel expenses have decreased 1.52% since 2005.

The services categories are defined below:

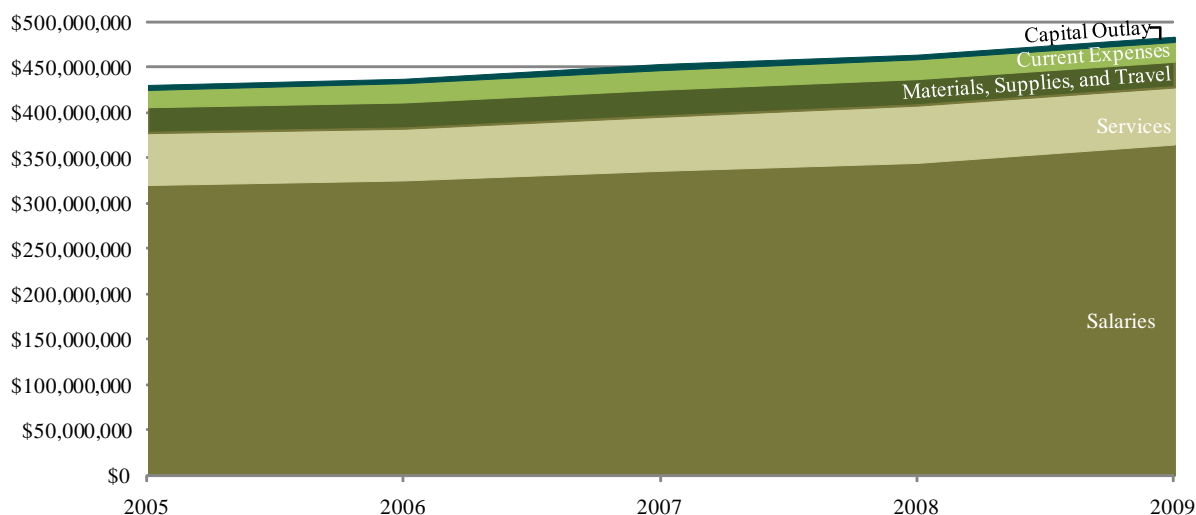
1. Salaries – all salaries paid by the community college including administrative, instructional, professional, secretarial & clerical, and service staff. Includes other payroll costs such as fringe benefits and worker’s compensation insurance.
2. Services – items such as professional fees, memberships, publications, rental of materials, buildings and equipment, and insurance.
3. Materials, Supplies, and Travel – expenses such as materials and supplies, periodicals, vehicle materials and supplies, and travel expenses.
4. Current Expenses – items such as purchase for resale, payment on debt principal, student compensation, and transfers.
5. Capital Outlay – items such as furniture, machinery, and equipment, lease purchase equipment, vehicles, land, buildings and fixed equipment, and other structures and improvements.

Over 75 percent of all expenditures are for salaries and benefits (Figure 15-4). This category continues to be the largest source of expenses for all colleges and its share of total expenditures has grown over the last five years.

Unrestricted General Fund Expenditures by Function

Total Unrestricted General Fund expenditures by function, adjusted to 2009 dollars, increased 9.64 percent from fiscal year 2008 in arts and sciences, 1.3 percent in vocational/technical, 20.69 percent in cooperative

Figure 15-3: Adjusted Unrestricted General Fund Expenditures: 2005-2009



SOURCE: Iowa Department of Education, Unrestricted General Fund AS-15E, Fund 1. See Tables 15-6 through 15-10

programs/services, 5.15 percent in administration, 5.61 percent in student services, and 3.63 percent in general institution functions. Adult Education expenditures decreased 4.71 percent (Figure 15-5).

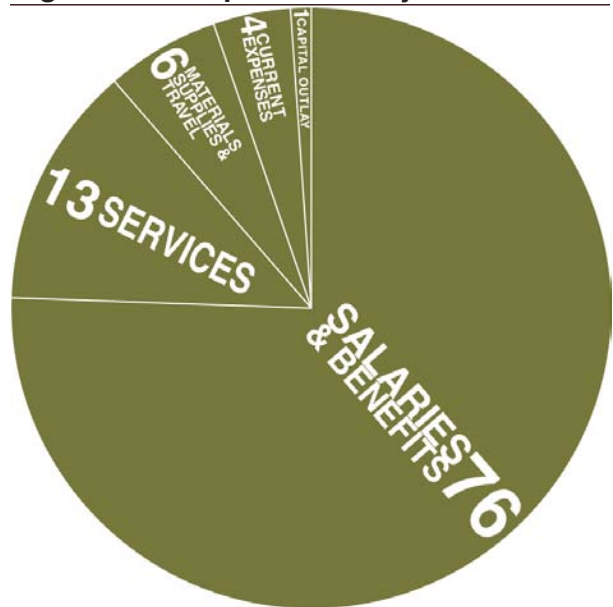
From 2005 through 2009, in 2009 dollars, the arts and sciences function experienced a 19.27 percent increase in expenditures, the vocational/technical function a 8.62 percent increase, the administration function a 17.68 percent increase, and student services a 19.74 percent increase. In contrast, adult education expenditures decreased 2.19 percent.

The vocational/technical function continues to be the largest source of expenditures in fiscal year 2009 at 24.2 percent. This function is followed by the arts and sciences function at 24 percent. The physical plant function was 11.18 percent, the general institution expenses were 12.52 percent, adult education was 8.34 percent, and the administration function was 5.99 percent of the total expenditures in fiscal year 2009 (Figure 15-6).

The function categories are defined below:

- Arts and Sciences – all administrative and instructional organizational units of the community college that provide instruction in the area of college parallel and career option/college parallel (CO/CP).
- Career/Vocational Technical – all organizational units designed to provide vocational, technical, and semi-professional training.
- Adult Education – all organizational units designed to provide services, courses, and programs intended mainly for part-time students who are not a part of one of the instructional divisions of arts and sciences or career/vocational technical functions. Some examples include Adult Basic Education (ABE), high school completion, and short-term preparatory.
- Cooperative Programs or Services – all organizational units designed to provide instruction for secondary joint effort activities and all activities concerning Chapter 260E Industrial New Jobs Training and Chapter 260F Jobs Training.
- Administration – all expenses of the Community College Board of Trustees, the CEO, and business office, which serves the entire community college.
- Student Services – all organizational units, which are primarily concerned with providing services for students.
- Learning Resources – all organizational units, which provide for storage, distribution, and use of educational materials throughout the entire community college.
- Physical Plant – all organizational units, which are responsible for the operation and maintenance of the community college’s physical facilities.
- General Institution – all other expenses except those included in the above functions. Some examples include institutional development, data processing,

Figure 15-4: Expenditures by Source: 2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Annual Report, Unrestricted General Fund AS-15E, Fund 1. See Table 15-5.

general printing, communication, alumni affairs, early retirement, and telecommunications.

Unrestricted General Fund Revenues vs. Expenditures

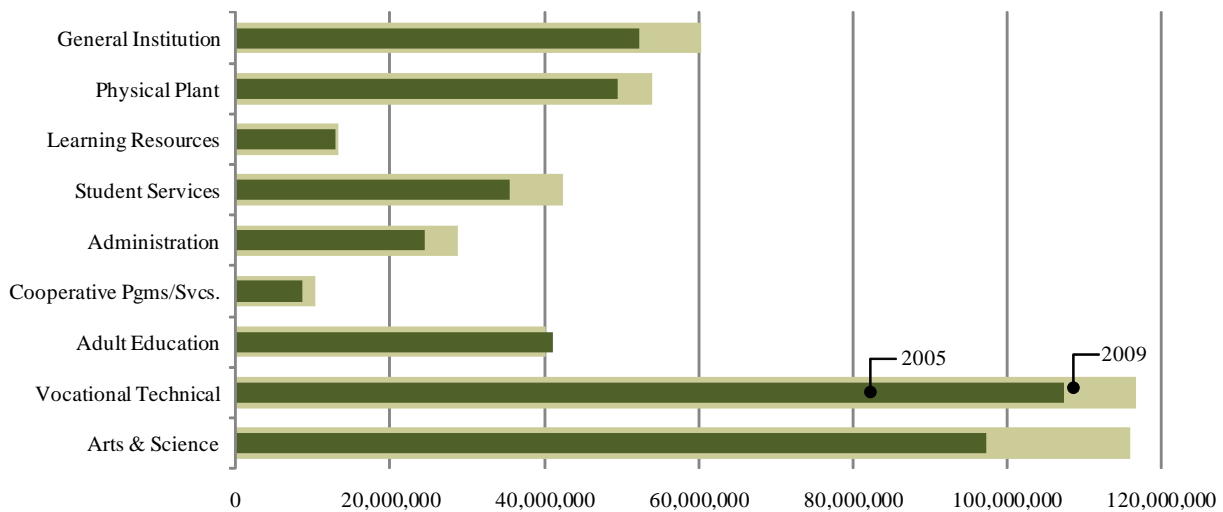
Both revenues and expenditures have increased each year over the last five years. After adjusting for inflation and adjusting each year into 2009 dollars, revenue grew by 4.73 percent from fiscal year 2008 to fiscal year 2009 and expenditures grew by 4.25 percent. Since fiscal year 2005, Unrestricted General Fund revenues have grown 12.90 percent while Unrestricted General Fund expenditures have grown 12.3 percent.

Full-Time Equivalent Enrollment (FTEE)

The Full-Time Equivalent Enrollment (FTEE) calculation is utilized when determining SGA. Due to timing of the calculation to meet Iowa Legislative deadlines, the enrollment used to calculate SGA is two years behind the year of the aid (i.e., fiscal year 2009 enrollments are used to calculate fiscal year 2011 SGA). Twenty-four (24) credit semester hours equals one FTEE, while 600 non-credit contact hours equals one FTEE. The proportion of FTEE generated by non-credit contact hours has decreased over the past five years.

FTEE totals have increased overall from fiscal year 2005 through fiscal year 2009 by 5,734.89 (Figure 15-7). This represents a 6.62 percent increase during this time, or an average of 1.32 percent per year. The fiscal year

Figure 15-5: Adjusted General Fund Expenditures by Function: 2005 and 2009



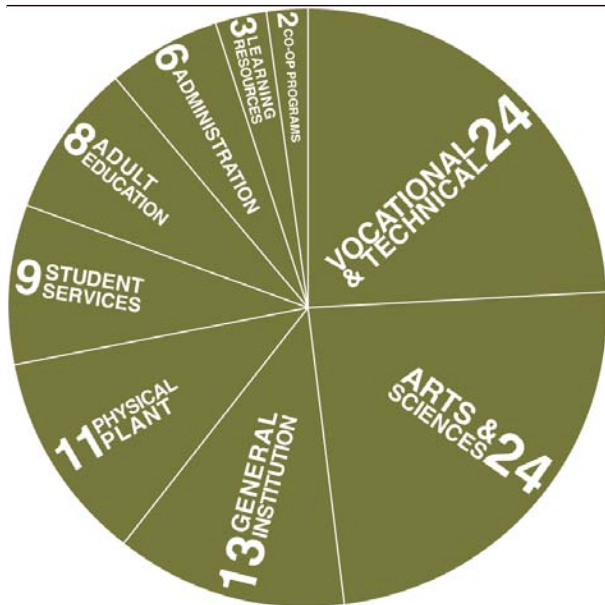
SOURCE: Iowa Department of Education, Bureau of Community College Services Services, Annual Report, Unrestricted General Fund AS-15E, Fund 1 2009, Table 15-14.

2009 total represented a 3.17 percent increase (2,836.24) from the previous year.

State General Aid (SGA)

The fiscal year 2009 SGA amount was \$180,316,478 after accounting for the Governor’s 1.5 percent across the board budget reduction in December 2008. This amount represented an increase of \$8,354,064, or 4.86% over the previous year. After adjusting previous SGA amounts into 2009 dollars, the SGA has increased 1.82% in real dollars since fiscal year 2000 (Figure 15-8).

Figure 15-6: Expenditures by Function: 2009



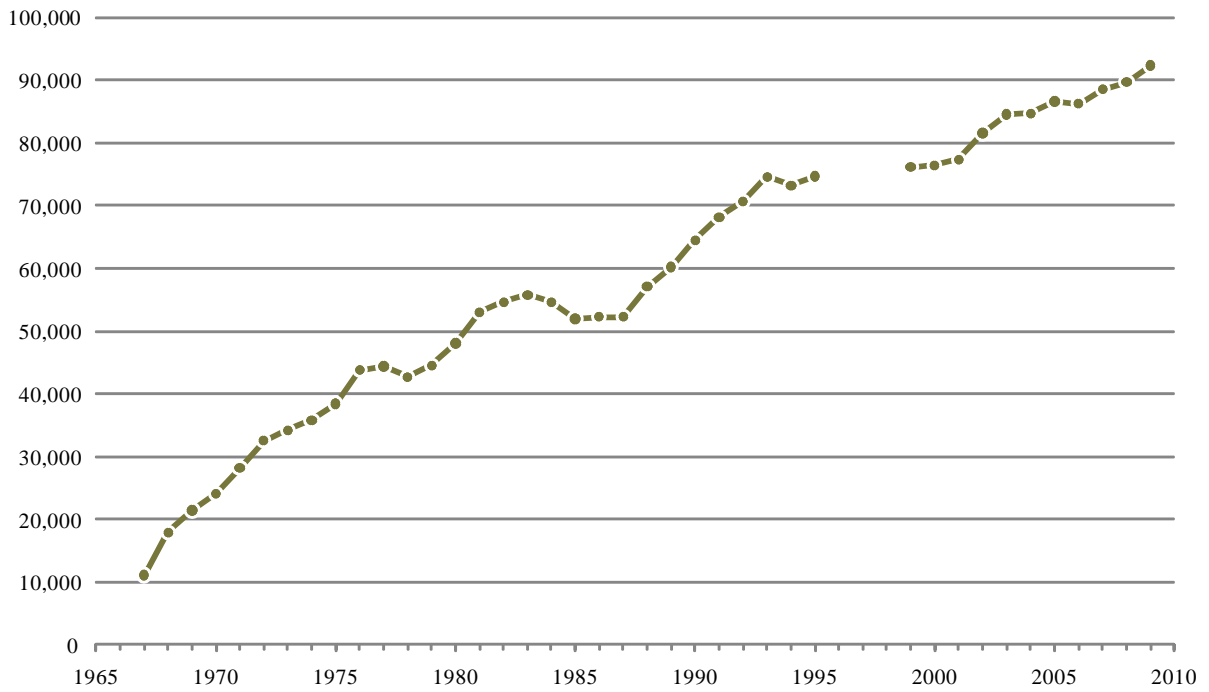
SOURCE: Iowa Department of Education, Bureau of Community College Services, Annual Report, Unrestricted General Fund AS-15E, Fund 1. See Table 15-14.

Unrestricted General Fund Revenue and Expenditure Per FTEE

Unrestricted General Fund revenue per FTEE, after adjusting to 2009 dollars, indicates that overall amounts per FTEE have increased 5.89% from FY 2005 through FY 2009. This averages out to a 1.17% increase per year. Fiscal year 2009 revenue per FTEE was 1.52 percent greater than fiscal year 2008.

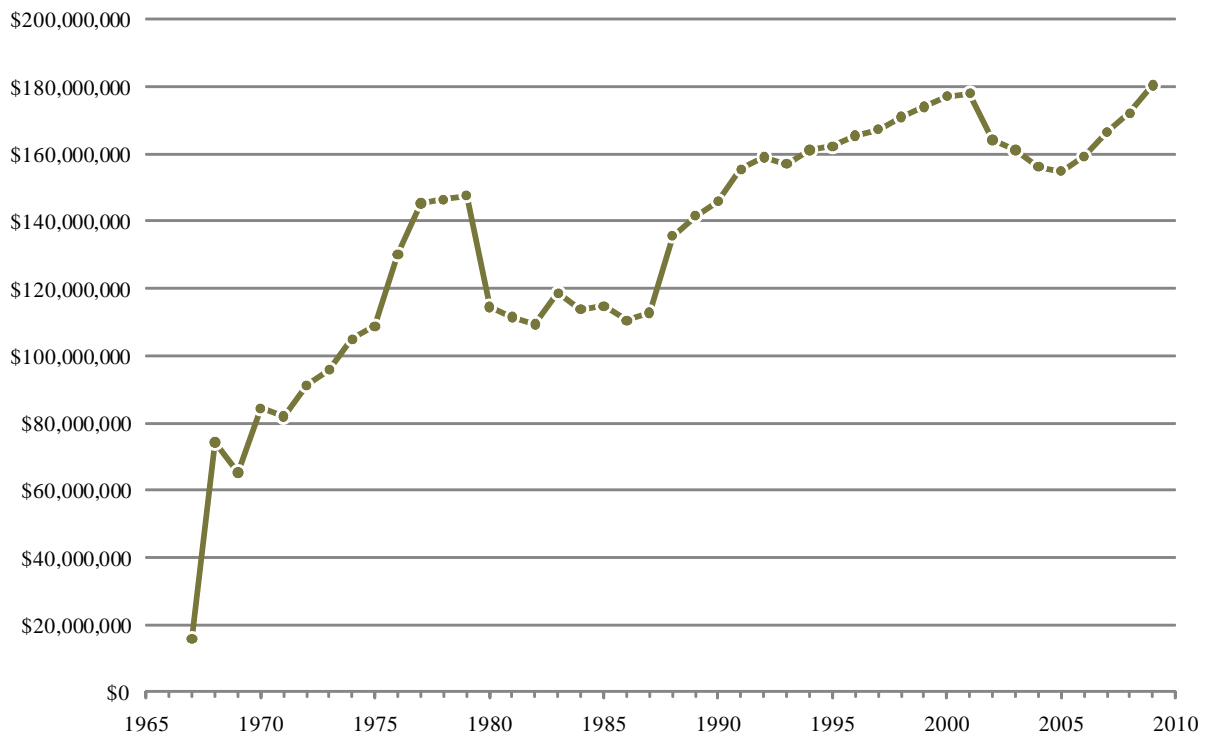
The Unrestricted General Fund expenditures per FTEE, after adjusting to 2009 dollars, show that the total per FTEE has increased 5.33 percent since fiscal year 2005. This represents an average increase per year of 1.06 percent. The fiscal year 2009 expenditure per FTEE amount increased 1.04 percent from the previous year.

Figure 15-7: Full-Time Equivalent Enrollment (FTEE): 1967-2009



SOURCE: FTEE between 1996 and 1998 are not available. SOURCE: Iowa Department of Education, Bureau of Community College Services Services, AS-15E. See Table 15-15 through 15-19 and www.iowa.gov/educate for historical amounts.

Figure 15-8: Adjusted State General Aid: 1967-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services Services, Community College MIS. See Table 15-20 and www.iowa.gov/educate for historical amounts.

Table 15-1: Unrestricted Fund Revenue by Source: 2005

College	Tuition & Fees	Local	State General Aid	Federal	Other Income	Total
Northeast	\$11,884,883	\$1,449,495	\$6,717,355	\$929,154	\$693,713	\$21,674,600
North Iowa Area	7,997,617	892,425	7,859,917	428,798	1,885,441	19,064,198
Iowa Lakes	8,533,588	693,915	7,295,985	459,486	1,878,232	18,861,206
Northwest	3,318,471	472,497	3,569,332	279,976	487,795	8,128,071
Iowa Central	11,248,558	1,003,712	7,499,287	641,361	846,733	21,239,651
Iowa Valley	9,052,099	644,121	6,918,909	258,208	1,587,426	18,460,763
Hawkeye	12,179,000	1,212,445	10,008,601	918,500	616,724	24,935,270
Eastern Iowa	15,051,382	1,882,795	12,311,409	1,346,498	2,010,154	32,602,238
Kirkwood	35,155,614	2,931,936	19,369,288	2,358,034	3,530,613	63,345,485
Des Moines Area	32,188,865	4,843,246	20,524,506	1,458,871	5,766,882	64,782,370
Western Iowa Tech	11,157,451	1,063,864	8,084,396	1,020,094	2,481,961	23,807,766
Iowa Western	12,209,707	1,122,289	8,298,918	523,566	970,831	23,125,311
Southwestern	3,463,586	422,338	3,612,936	287,038	599,129	8,385,027
Indian Hills	10,431,661	770,942	11,362,216	897,099	1,728,398	25,190,316
Southeastern	8,135,643	566,989	6,346,191	589,455	490,047	16,128,325
Total	\$192,008,125	\$19,973,009	\$139,779,246	\$12,396,138	\$25,574,079	\$389,730,597

NOTE: Other Income includes: Other State Aid, Sales & Services, and Other Income. Figures rounded to the nearest whole dollar. Each "||" denotes \$1,000,000.
SOURCE: Iowa Department of Education, Bureau of Community College Services, AS-15E.

Table 15-2: Unrestricted Fund Revenue by Source: 2006

College	Tuition & Fees	Local	State General Aid	Federal	Other Income	Total
Northeast	\$11,332,422	\$1,484,209	\$7,237,044	\$811,694	\$1,529,662	\$22,395,031
North Iowa Area	8,371,061	913,012	8,293,881	424,106	2,187,152	20,189,212
Iowa Lakes	8,135,323	706,196	7,673,998	497,091	1,962,211	18,974,819
Northwest	3,679,622	480,078	3,764,072	265,091	876,037	9,064,900
Iowa Central	12,082,925	1,013,663	8,129,369	619,377	1,261,007	23,106,341
Iowa Valley	9,124,618	634,264	7,299,114	275,263	1,756,065	19,089,324
Hawkeye	13,081,205	1,229,104	10,652,239	883,183	1,045,503	26,891,234
Eastern Iowa	14,785,741	1,938,379	13,139,157	1,247,093	2,205,443	33,315,813
Kirkwood	35,812,984	2,985,100	21,321,279	2,451,580	3,720,868	66,291,811
Des Moines Area	34,436,606	5,003,825	22,050,079	1,604,528	7,040,334	70,135,372
Western Iowa Tech	10,797,436	1,074,738	8,684,672	953,355	2,507,605	24,017,806
Iowa Western	13,219,270	1,143,345	8,819,900	529,212	1,290,619	25,002,346
Southwestern	3,559,141	423,838	3,810,283	277,317	785,220	8,855,799
Indian Hills	11,241,012	786,222	11,972,648	908,076	1,645,782	26,553,740
Southeastern	8,264,562	570,323	6,733,160	563,959	671,066	16,803,070
Total	\$197,923,928	\$20,386,296	\$149,580,895	\$12,310,925	\$30,484,574	\$410,686,618

NOTE: Other Income includes: Other State Aid, Sales & Services, and Other Income. Figures rounded to the nearest whole dollar. Each "|||" denotes \$1,000,000.
 SOURCE: Iowa Department of Education, Bureau of Community College Services Services, AS-15E.

Table 15-3: Unrestricted Fund Revenue by Source: 2007

College	Tuition & Fees	Local	State General Aid	Federal	Other Income	Total
Northeast	\$12,024,069	\$1,524,130	\$7,786,417	\$791,744	\$2,012,617	\$24,138,977
North Iowa Area	8,563,030	961,301	8,746,545	401,672	2,309,063	20,981,611
Iowa Lakes	8,629,970	779,888	8,076,172	474,325	1,954,689	19,915,044
Northwest	3,908,914	502,765	3,965,756	259,039	1,121,061	9,757,535
Iowa Central	13,779,283	1,049,840	8,716,683	629,719	1,471,897	25,647,422
Iowa Valley	9,210,655	678,310	7,697,799	258,255	1,767,228	19,612,247
Hawkeye	13,093,048	1,289,763	11,295,091	807,364	1,163,955	27,649,221
Eastern Iowa	16,237,614	2,031,250	13,968,730	1,206,151	2,152,608	35,596,353
Kirkwood	37,646,286	3,123,789	23,342,242	2,284,405	6,210,792	72,607,514
Des Moines Area	34,448,655	5,334,093	23,626,432	1,652,180	8,562,334	73,623,694
Western Iowa Tech	10,890,622	1,128,438	9,256,058	981,027	2,520,504	24,776,649
Iowa Western	14,371,674	1,207,571	9,349,224	535,387	1,118,003	26,581,859
Southwestern	3,944,003	434,367	4,015,574	251,633	881,153	9,526,730
Indian Hills	12,206,637	801,447	12,611,064	853,868	2,287,252	28,760,268
Southeastern	8,505,508	586,137	7,125,459	561,960	739,378	17,518,442
Total	\$207,459,968	\$21,433,089	\$159,579,246	\$11,948,729	\$36,272,534	\$436,693,566

NOTE: Other Income includes: Other State Aid, Sales & Services, and Other Income. Figures rounded to the nearest whole dollar. Each "I" denotes \$1,000,000.
 SOURCE: Iowa Department of Education, Bureau of Community College Services Services. AS-15E.

Table 15-4: Unrestricted Fund Revenue by Source: 2008

College	Tuition & Fees	Local	State General Aid	Federal	Other Income	Total
Northeast	\$12,234,089	\$1,556,224	\$8,472,001	\$774,726	\$2,318,828	\$25,355,868
North Iowa Area	9,359,960	984,974	9,282,134	335,559	2,167,069	22,129,697
Iowa Lakes	8,624,319	782,281	8,544,806	440,439	2,343,372	20,735,217
Northwest	4,350,371	508,640	4,200,810	228,385	1,022,338	10,310,544
Iowa Central	15,363,885	1,060,207	9,408,977	613,225	1,354,596	27,800,890
Iowa Valley	9,623,200	695,011	8,169,643	261,274	1,758,695	20,507,823
Hawkeye	14,167,513	1,314,249	12,077,303	979,422	937,104	29,475,591
Eastern Iowa	17,049,468	2,075,006	15,025,656	1,360,084	2,451,671	37,961,885
Kirkwood	39,697,420	3,180,989	25,854,970	2,041,167	6,634,768	77,409,314
Des Moines Area	38,029,641	5,539,836	25,758,739	1,613,443	10,318,155	81,259,814
Western Iowa Tech	11,109,514	1,133,927	9,918,232	883,703	2,437,107	25,482,483
Iowa Western	14,641,772	1,251,208	10,041,096	540,712	1,587,985	28,062,773
Southwestern	4,225,139	439,325	4,251,742	246,768	828,284	9,991,258
Indian Hills	13,372,979	810,659	13,348,554	843,578	1,742,812	30,118,582
Southeastern	8,802,868	591,223	7,607,749	553,301	844,514	18,399,655
Total	\$220,652,138	\$21,923,759	\$171,962,412	\$11,715,786	\$38,747,298	\$465,001,394

NOTE: Other Income includes: Other State Aid, Sales & Services, and Other Income. Figures rounded to the nearest whole dollar. Each "m" denotes \$1,000,000.
SOURCE: Iowa Department of Education, Bureau of Community College Services Services, AS-15E.

Table 15-5: Unrestricted Fund Revenue by Source: 2009

College	Tuition & Fees	Local	State General Aid	Federal	Other Income	Total
Northeast	\$13,579,103	\$1,614,588	\$8,938,308	\$774,726	\$757,409	\$25,664,134
North Iowa Area	9,650,246	1,040,892	9,692,972	335,559	402,745	21,122,414
Iowa Lakes	9,334,279	871,238	8,909,838	440,439	454,741	20,010,535
Northwest	4,594,816	521,020	4,382,525	228,385	213,884	9,940,630
Iowa Central	17,475,618	1,134,542	9,842,430	613,225	647,356	29,713,171
Iowa Valley	10,517,933	713,152	8,526,524	261,274	225,041	20,243,924
Hawkeye	15,085,782	1,395,063	12,633,964	979,422	799,040	30,893,271
Eastern Iowa	17,904,976	2,178,010	15,724,371	1,360,084	1,293,136	38,460,577
Kirkwood*	39,944,538	3,319,244	27,248,025	2,041,167	2,327,244	74,880,218
Des Moines Area	42,650,967	5,905,008	27,187,978	1,613,443	1,665,640	79,023,037
Western Iowa Tech	12,273,803	1,175,234	10,364,709	883,703	1,004,249	25,701,698
Iowa Western	16,633,660	1,343,301	10,525,503	540,712	511,100	29,554,276
Southwestern	4,341,789	459,557	4,437,793	246,768	247,663	9,733,570
Indian Hills	14,064,148	861,267	13,935,395	843,578	892,829	30,597,217
Southeastern	9,222,053	613,840	7,966,143	553,301	495,573	18,850,910
Total	\$237,273,711	\$23,145,956	\$180,316,478	\$11,937,650	\$34,482,828	\$487,156,624

* Financial information submitted from unaudited information.

NOTE: Other Income includes: Other State Aid, Sales & Services, and Other Income. Figures rounded to the nearest whole dollar. Each “|” denotes \$1,000,000. SOURCE: Iowa Department of Education, Bureau of Community College Services, AS-15E.

Table 15-6: Expenditures by Category: 2005

College	Salaries	Services	Mats, Supp & Travel	Current Expenses	Capital Outlay	Total
Northeast	\$18,627,661	\$1,868,734	\$936,069	\$37,366	\$89,049	\$21,558,879
North Iowa Area	13,164,348	3,174,548	1,612,973	741,370	345,495	19,038,734
Iowa Lakes	14,288,425	2,357,744	1,389,051	687,877	118,606	18,841,703
Northwest	5,993,747	1,044,884	539,544	465,262	54,237	8,097,674
Iowa Central	14,993,018	2,862,777	2,061,639	970,615	222,264	21,110,313
Iowa Valley	13,161,651	3,601,815	821,244	1,213,507	29,579	18,827,796
Hawkeye	19,509,307	3,173,057	1,717,172	329,381	205,215	24,934,132
Eastern Iowa	23,717,252	5,674,274	1,386,648	810,520	790,849	32,379,543
Kirkwood	46,156,311	7,822,391	4,507,396	2,845,179	1,066,388	62,397,665
Des Moines Area	49,664,872	6,084,008	5,406,270	3,403,925	213,535	64,772,610
Western Iowa Tech	16,493,865	3,355,461	1,454,937	2,050,942	229,573	23,584,778
Iowa Western	15,917,429	3,912,035	1,617,826	1,365,463	196,292	23,009,045
Southwestern	6,419,344	1,259,634	597,372	113,990	0	8,390,340
Indian Hills	19,708,311	3,017,969	1,573,174	402,576	13,785	24,715,815
Southeastern	11,568,273	2,349,388	989,131	1,164,465	23,859	16,095,116
Total	\$289,383,814	\$51,558,719	\$26,610,446	\$16,602,438	\$3,598,726	\$387,754,143

NOTE: Figures rounded to the nearest dollar. Each “|” denotes \$1,000,000.

SOURCE: Iowa Department of Education, Bureau of Community College Services Services, AS-15E.

Table 15-7: Expenditures by Category: 2006

College	Salaries	Services	Matls, Supp & Travel	Current Expenses	Capital Outlay	Total
Northeast	\$19,386,926	\$2,296,556	\$950,388	\$71,216	\$36,003	\$22,741,089
North Iowa Area	14,095,510	3,534,628	1,457,348	811,597	154,245	20,053,328
Iowa Lakes	14,265,589	2,398,656	1,343,829	882,679	80,206	18,970,959
Northwest	6,348,192	1,266,097	623,127	716,173	26,000	8,979,589
Iowa Central	15,818,889	3,331,883	2,051,002	1,554,309	177,314	22,933,397
Iowa Valley	13,678,272	3,352,875	907,943	1,127,002	32,958	19,099,050
Hawkeye	20,312,218	3,282,171	1,989,841	1,104,623	199,950	26,888,803
Eastern Iowa	24,822,243	5,572,927	1,471,970	811,958	416,556	33,095,654
Kirkwood	49,127,831	7,484,586	5,221,330	3,400,501	1,068,682	66,302,930
Des Moines Area	53,540,685	6,549,463	5,622,673	4,033,753	173,744	69,920,318
Western Iowa Tech	17,224,160	3,491,342	1,420,031	1,684,279	133,961	23,953,773
Iowa Western	17,301,788	3,870,515	1,794,157	1,539,304	359,051	24,864,815
Southwestern	6,884,925	1,195,669	558,210	141,372	20,390	8,800,566
Indian Hills	20,825,288	3,378,377	1,575,484	573,377	12,580	26,365,106
Southeastern	12,094,434	2,430,897	989,957	984,521	111,308	16,611,117
Total	\$305,726,950	\$53,436,642	\$27,977,290	\$19,436,664	\$3,002,948	\$409,580,494

NOTE: Figures rounded to the nearest dollar. Each "I" denotes \$1,000,000. Source: Iowa Department of Education, Bureau of Community College Services, AS-15E.

Table 15-8: Expenditures by Category: 2007

College	Salaries	Services	Matls, Supp & Travel	Current Expenses	Capital Outlay	Total
Northeast	\$19,427,513	\$2,251,392	\$914,120	\$810,576	\$72,079	\$23,475,680
North Iowa Area	14,621,298	3,543,725	1,525,659	1,061,236	73,530	20,825,448
Iowa Lakes	14,868,241	2,694,804	1,220,385	968,583	174,828	19,926,841
Northwest	6,677,552	1,113,428	749,677	1,083,318	60,391	9,684,366
Iowa Central	17,369,040	4,457,761	2,249,823	1,258,636	226,766	25,562,026
Iowa Valley	13,947,569	3,313,030	1,045,654	1,209,170	60,488	19,575,911
Hawkeye	22,040,496	3,599,027	1,419,778	265,813	310,713	27,635,827
Eastern Iowa	25,639,945	6,152,399	1,903,465	816,836	894,659	35,407,304
Kirkwood	52,067,346	8,911,903	5,234,232	3,205,273	2,096,871	71,515,625
Des Moines Area	57,681,116	5,976,027	6,181,019	3,356,926	311,312	73,506,400
Western Iowa Tech	17,171,482	3,866,042	1,468,083	2,082,400	84,932	24,672,939
Iowa Western	18,447,729	3,826,973	1,683,896	2,112,436	262,932	26,333,966
Southwestern	7,002,023	1,455,056	688,414	286,310	25,754	9,457,557
Indian Hills	22,465,613	3,240,536	1,994,225	673,556	169,935	28,543,865
Southeastern	12,969,277	2,397,409	1,136,613	793,065	172,220	17,468,584
Total	\$322,396,240	\$56,799,512	\$29,415,043	\$19,984,134	\$4,997,410	\$433,592,339

NOTE: Figures rounded to the nearest dollar. Each "T" denotes \$1,000,000.

Source: Iowa Department of Education, Bureau of Community College Services AS-15E.

Table 15-9: Expenditures by Category: 2008

College	Salaries	Services	Mats, Supp & Travel	Current Expenses	Capital Outlay	Total
Northeast	\$20,519,701	\$2,623,104	\$982,465	\$849,565	\$92,059	\$25,066,893
North Iowa Area	15,549,139	3,820,027	1,771,021	1,018,274	25,000	22,183,461
Iowa Lakes	16,119,690	2,668,229	1,168,891	1,015,855	109,715	21,082,380
Northwest	6,979,521	1,348,926	749,529	1,120,476	94,536	10,292,987
Iowa Central	19,010,114	4,185,694	2,349,465	1,929,593	263,725	27,738,591
Iowa Valley	14,645,664	3,469,553	1,034,371	933,268	3,000	20,085,856
Hawkeye	22,662,088	3,649,313	2,013,827	441,090	282,970	29,049,288
Eastern Iowa	27,598,238	6,841,888	1,586,753	929,788	761,601	37,718,268
Kirkwood	54,677,928	11,778,853	5,410,154	3,612,729	1,034,562	76,514,226
Des Moines Area	63,940,148	6,498,045	6,272,303	4,009,079	310,445	81,030,019
Western Iowa Tech	18,338,685	4,366,978	1,410,315	1,266,234	156,594	25,538,806
Iowa Western	20,138,647	3,760,336	1,617,303	2,397,017	162,017	28,075,320
Southwestern	7,307,252	1,738,783	712,837	286,858	9,240	10,054,970
Indian Hills	23,423,856	3,631,635	1,988,687	589,579	12,480	29,646,237
Southeastern	14,089,666	2,311,729	953,579	806,876	152,819	18,314,669
Total	\$345,000,337	\$62,693,093	\$30,021,500	\$21,206,281	\$3,470,763	\$462,391,971

NOTE: Figures rounded to the nearest dollar. Each "I" denotes \$1,000,000.
 SOURCE: Iowa Department of Education, Bureau of Community College Services Services, AS-15E.

Table 15-10: Expenditures by Category: 2009

College	Salaries	Services	Matls, Supp & Travel	Current Expenses	Capital Outlay	Total
Northeast	\$22,454,355	\$2,690,480	\$964,518	\$423,050	\$90,834	\$26,623,237
North Iowa Area	16,110,496	2,692,302	1,583,061	1,685,211	172,224	22,243,294
Iowa Lakes	16,838,867	2,816,174	1,027,225	948,195	461,345	22,091,806
Northwest	7,390,495	1,234,944	892,806	948,244	0	10,466,489
Iowa Central	19,815,446	4,838,206	2,675,574	2,451,442	235,712	30,016,380
Iowa Valley	15,454,638	3,521,548	951,240	1,439,875	22,797	21,390,098
Hawkeye	24,025,950	4,108,026	1,492,377	785,767	272,789	30,684,909
Eastern Iowa	29,085,633	6,743,809	1,372,776	1,578,255	993,648	39,774,121
Kirkwood*	57,867,595	10,952,655	5,556,941	1,655,103	1,144,204	77,176,498
Des Moines Area	69,318,170	6,591,444	5,288,515	3,401,908	168,777	84,768,814
Western Iowa Tech	18,514,837	4,289,615	1,753,980	1,876,807	98,082	26,533,321
Iowa Western	21,550,934	4,231,163	1,721,766	2,326,946	188,404	30,019,213
Southwestern	7,668,978	1,536,078	634,321	286,552	2,550	10,128,479
Indian Hills	24,713,500	3,522,665	2,013,482	801,308	254,914	31,305,869
Southeastern	14,668,545	2,477,541	1,087,600	588,429	121,002	18,943,117
Total	\$365,478,439	\$62,246,650	\$29,016,182	\$21,197,092	\$4,227,282	\$482,165,645

* Financial information submitted from unaudited information.

NOTE: Figures rounded to the nearest dollar. Each "I" denotes \$1,000,000. SOURCE: Iowa Department of Education, Bureau of Community College Services Services, AS-15E.

Table 15-11: Expenditures by Function: 2005

College	Arts & Sciences	Vocational Technical	Adult Education	Cooperative Prgms/Svcs.	Administration	Student Services	Learning Resources	Physical Plant	General Institution	Total
Northeast	\$4,512,246	\$7,185,937	\$2,194,661	\$1,958,554	\$523,381	\$1,419,896	\$425,061	\$1,158,365	\$2,180,778	\$21,558,879
North Iowa Area	5,464,798	2,847,367	3,035,679	39,438	1,118,463	2,275,293	508,282	2,281,851	1,467,563	19,038,734
Iowa Lakes	5,281,138	3,464,228	822,254	1,342,154	851,444	1,233,978	906,724	1,583,138	3,356,645	18,841,703
Northwest	951,458	2,898,103	707,832	12,000	565,264	566,894	162,826	515,655	1,717,642	8,097,674
Iowa Central	4,302,738	4,163,691	2,032,125	1,029,695	1,215,412	2,632,341	327,583	2,512,434	2,894,294	21,110,313
Iowa Valley	5,544,317	2,528,050	3,003,070	0	1,402,389	1,812,990	489,855	2,191,127	1,855,998	18,827,796
Hawkeye	5,286,057	7,152,158	2,280,434	0	1,624,575	1,677,046	626,729	2,694,817	3,592,316	24,934,132
Eastern Iowa	8,129,048	6,943,310	3,320,995	732,618	1,384,167	3,063,810	1,032,724	3,560,246	4,212,625	32,379,543
Kirkwood	16,153,177	15,069,171	6,936,011	447,369	4,025,404	3,601,992	2,382,491	9,126,716	4,655,334	62,397,665
Des Moines Area	15,120,530	19,024,354	5,400,099	339,878	2,798,407	4,937,151	2,477,733	6,795,845	7,878,613	64,772,610
Western Iowa Tech	3,079,554	7,166,741	1,552,850	334,912	1,424,510	1,500,650	297,428	3,611,242	4,616,891	23,584,778
Iowa Western	5,031,117	4,729,991	1,979,211	788,945	1,944,791	2,045,076	265,210	3,256,651	2,968,053	23,009,045
Southwestern	2,005,706	1,968,671	764,106	7,385	751,001	844,068	163,344	1,224,172	661,887	8,390,340
Indian Hills	3,652,547	8,284,121	1,891,022	63,587	1,308,123	2,819,088	953,797	2,867,063	2,876,467	24,715,815
Southeastern	3,407,914	3,603,976	1,230,256	765,433	1,219,966	1,560,873	586,740	1,354,599	2,365,359	16,095,116
Total	\$87,922,345	\$97,029,869	\$37,150,605	\$7,861,968	\$22,157,297	\$31,991,146	\$11,606,527	\$44,733,921	\$47,300,465	\$387,754,143

NOTE: Figures rounded to the nearest dollar. Each “|” denotes \$1,000,000.

SOURCE: Iowa Department of Education, Bureau of Community College Services Services, AS-15E.

Table 15-12: Expenditures by Function: 2006

College	Arts & Sciences	Vocational Technical	Adult Education	Cooperative Prgms/Svcs.	Administration	Student Services	Learning Resources	Physical Plant	General Institution	Total
Northeast	\$4,564,583	\$7,580,317	\$2,349,749	\$1,667,610	\$750,693	\$1,507,003	\$400,162	\$1,177,918	\$2,743,054	\$22,741,089
North Iowa Area	5,464,236	3,067,172	3,437,838	59,833	1,374,412	2,553,835	522,759	2,060,096	1,513,147	20,053,328
Iowa Lakes	5,557,073	3,592,770	816,816	1,218,728	914,915	1,344,089	1,061,230	1,529,976	2,935,362	18,970,959
Northwest	924,578	3,380,485	701,671	12,380	634,152	632,854	170,120	625,043	1,898,306	8,979,589
Iowa Central	4,633,285	4,168,651	2,274,521	1,133,772	1,041,850	2,986,787	332,257	2,884,048	3,478,226	22,933,397
Iowa Valley	5,752,888	2,461,079	3,091,211	0	1,220,907	1,914,557	500,042	2,204,545	1,953,821	19,099,050
Hawkeye	5,055,203	7,320,741	2,658,051	0	1,338,496	1,838,386	692,123	2,815,696	5,170,107	26,888,803
Eastern Iowa	8,764,483	6,967,516	3,545,307	783,557	1,557,623	3,263,672	877,966	3,168,571	4,166,959	33,095,654
Kirkwood	17,657,552	16,710,423	7,359,685	431,946	3,503,281	4,187,672	2,922,721	8,965,803	4,563,847	66,302,930
Des Moines Area	16,426,533	20,498,721	5,865,584	234,895	2,881,086	5,210,900	2,519,132	6,960,110	9,323,357	69,920,318
Western Iowa Tech	3,164,122	7,280,141	1,626,658	359,845	1,491,533	1,564,515	312,478	3,507,520	4,646,961	23,953,773
Iowa Western	5,498,158	4,984,760	1,968,902	927,988	1,972,766	2,258,202	282,039	3,774,285	3,197,715	24,864,815
Southwestern	2,202,343	2,055,591	784,473	7,814	790,378	889,880	176,070	1,244,767	649,250	8,800,566
Indian Hills	4,104,300	8,476,928	2,128,538	67,816	1,500,947	2,972,593	966,730	2,937,978	3,209,276	26,365,106
Southeastern	3,569,338	3,793,920	1,262,492	702,001	1,181,583	1,753,107	632,368	1,412,642	2,303,666	16,611,117
Total	\$93,338,675	\$102,339,215	\$39,871,496	\$7,608,185	\$22,154,622	\$34,878,052	\$12,368,197	\$45,268,998	\$51,753,054	\$409,580,494

NOTE: Figures rounded to the nearest dollar. Each "I" denotes \$1,000,000.

SOURCE: Iowa Department of Education, Bureau of Community College Services, AS-15E.

Table 15-13: Expenditures by Function: 2007

College	Arts & Sciences	Vocational/Technical	Adult Education	Cooperative Pgms/Svcs.	Administration	Student Services	Learning Resources	Physical Plant	General Institution	Total
Northeast	\$4,305,115	\$7,207,181	\$2,386,668	\$2,344,232	\$1,229,762	\$1,487,421	\$402,547	\$1,241,898	\$2,870,856	\$23,475,680
North Iowa Area	5,749,392	2,939,965	3,477,734	27,937	1,461,893	2,781,503	524,264	2,188,102	1,674,658	20,825,448
Iowa Lakes	5,854,389	3,961,473	786,094	1,029,776	907,987	1,410,652	1,415,361	1,616,294	2,944,815	19,926,841
Northwest	990,575	3,289,195	726,214	10,000	636,712	748,640	178,303	621,207	2,483,520	9,684,366
Iowa Central	5,506,274	4,671,881	2,427,812	1,375,553	1,267,048	3,221,930	300,293	3,439,497	3,351,738	25,562,026
Iowa Valley	5,905,296	2,544,029	2,856,035	0	1,428,217	1,975,011	504,032	2,179,716	2,183,575	19,575,911
Hawkeye	6,041,750	7,942,306	2,366,687	0	1,831,346	2,065,898	786,250	3,106,748	3,494,842	27,635,827
Eastern Iowa	9,027,386	7,242,884	3,553,920	803,392	1,803,535	3,361,180	908,242	3,620,914	5,085,851	35,407,304
Kirkwood	19,116,410	18,306,737	8,237,422	398,753	3,502,876	4,152,397	2,578,546	10,341,126	4,881,358	71,515,625
Des Moines Area	17,860,684	21,640,981	5,521,475	162,186	2,995,411	5,901,885	2,621,957	8,208,865	8,592,956	73,506,400
Western Iowa Tech	3,264,929	7,042,056	1,800,572	372,250	1,691,613	1,570,882	287,611	3,696,777	4,946,249	24,672,939
Iowa Western	5,754,836	5,275,299	2,083,975	850,482	2,448,359	2,486,847	290,411	3,951,378	3,192,379	26,333,966
Southwestern	2,311,045	2,039,078	705,059	21,528	775,931	918,822	178,529	1,407,669	1,099,896	9,457,557
Indian Hills	4,658,286	9,342,393	2,025,597	93,420	1,523,719	3,046,111	854,279	3,127,141	3,872,919	28,543,865
Southeastern	3,728,478	3,860,203	1,306,560	708,522	1,381,316	1,789,698	403,141	1,748,227	2,542,439	17,468,584
Total	\$100,074,845	\$107,305,661	\$40,261,824	\$8,198,031	\$24,885,725	\$36,918,877	\$12,233,766	\$50,495,559	\$53,218,051	\$433,592,339

NOTE: Figures rounded to the nearest dollar. Each "||" denotes \$1,000,000.

SOURCE: Iowa Department of Education, Bureau of Community College Services, AS-15E.

Table 15-14: Expenditures by Function: 2008

College	Arts & Sciences	Vocational Technical	Adult Education	Cooperative Prgms/Svcs.	Administration	Student Services	Learning Resources	Physical Plant	General Institution	Total
Northeast	\$3,134,280	\$8,512,933	\$2,391,824	\$2,499,161	\$1,801,854	\$1,650,781	\$426,674	\$1,505,297	\$3,144,090	\$25,066,894
North Iowa Area	6,133,118	3,488,411	3,546,631	42,212	1,430,961	3,009,847	518,989	2,257,005	1,756,287	22,183,461
Iowa Lakes	6,218,531	4,222,454	835,184	1,078,980	998,320	1,609,471	1,499,013	1,681,503	2,938,924	21,082,380
Northwest	1,111,524	3,521,456	752,943	0	690,889	739,662	183,870	698,498	2,594,146	10,292,988
Iowa Central	6,455,922	5,041,491	2,384,653	1,472,579	1,288,398	3,156,701	270,818	3,192,319	4,475,710	27,738,591
Iowa Valley	6,482,511	2,686,772	2,944,218	0	1,208,361	2,118,706	485,313	2,036,316	2,123,657	20,085,854
Hawkeye	5,850,308	8,225,880	2,121,383	0	2,188,262	2,215,571	801,075	2,961,248	4,685,559	29,049,286
Eastern Iowa	9,656,283	7,489,899	3,927,910	863,988	1,994,894	3,478,404	874,700	3,932,362	5,499,827	37,718,267
Kirkwood	19,992,119	19,238,419	8,605,653	472,966	4,151,848	4,589,992	2,428,110	11,788,932	5,246,186	76,514,225
Des Moines Area	20,013,466	23,791,578	6,338,256	0	3,594,487	6,533,916	2,682,552	8,660,422	9,415,343	81,030,020
Western Iowa Tech	3,429,989	7,414,767	2,012,396	350,504	1,379,139	2,040,159	479,021	3,189,776	5,243,055	25,538,806
Iowa Western	6,385,068	5,556,940	2,142,753	904,391	2,802,868	2,859,584	264,751	3,750,598	3,408,367	28,075,320
Southwestern	2,346,104	2,134,766	749,114	18,662	872,179	1,002,307	183,177	1,616,398	1,132,263	10,054,970
Indian Hills	4,646,008	9,607,609	2,251,322	89,182	1,554,901	3,303,044	872,263	3,373,801	3,948,107	29,646,237
Southeastern	4,010,158	4,230,667	1,203,686	786,759	1,491,721	1,838,072	426,645	1,698,132	2,628,829	18,314,669
Total	\$105,865,389	\$115,164,042	\$42,207,926	\$8,579,384	\$27,449,082	\$40,146,217	\$12,396,971	\$52,342,607	\$58,240,350	\$462,391,968

NOTE: Figures rounded to the nearest dollar. Each "|||" denotes \$1,000,000.

SOURCE: Iowa Department of Education, Bureau of Community College Services Services, AS-15E.

Table 15-15: Expenditures by Function: 2009

College	Arts & Sciences	Vocational Technical	Adult Education	Cooperative Pgms/Svcs.	Administration	Student Services	Learning Resources	Physical Plant	General Institution	Total
Northeast	\$5,646,883	\$6,582,362	\$2,448,957	\$2,587,945	\$2,272,377	\$1,773,720	\$533,150	\$1,714,366	\$3,063,477	\$26,623,237
North Iowa Area	6,756,614	3,741,399	2,309,758	39,853	1,525,764	3,225,467	549,150	2,251,048	1,844,240	22,243,293
Iowa Lakes	6,287,148	4,279,474	840,254	1,117,642	1,028,971	2,170,945	1,431,155	2,221,862	2,714,355	22,091,806
Northwest	1,188,901	3,802,760	792,932	0	647,070	791,575	184,932	747,012	2,311,307	10,466,489
Iowa Central	7,027,778	5,340,666	2,350,947	1,447,283	1,371,585	3,282,042	293,611	3,819,970	5,082,498	30,016,380
Iowa Valley	6,944,467	2,800,797	2,662,175	0	1,570,686	2,266,634	532,663	2,369,288	2,243,388	21,390,098
Hawkeye	6,638,554	8,785,375	748,160	1,484,343	2,329,717	2,418,228	799,825	3,200,633	4,280,074	30,684,909
Eastern Iowa	10,218,327	7,926,596	4,199,576	885,552	1,772,094	3,528,450	854,263	4,637,483	5,751,780	39,774,121
Kirkwood*	21,264,698	18,901,685	8,872,158	544,728	4,273,345	4,811,662	3,253,722	9,673,773	5,580,723	77,176,494
Des Moines Area	21,765,047	24,580,325	6,843,614	0	3,518,176	6,719,279	2,723,074	8,421,184	10,198,115	84,768,814
Western Iowa Tech	3,815,742	7,421,280	1,791,785	394,682	1,696,748	1,824,026	335,173	3,869,109	5,384,776	26,533,321
Iowa Western	7,033,322	5,922,814	2,266,125	915,551	2,839,924	3,090,421	264,972	4,068,614	3,617,470	30,019,213
Southwestern	2,475,716	2,132,710	774,376	16,897	803,108	1,033,612	175,021	1,516,765	1,200,274	10,128,479
Indian Hills	4,941,796	10,081,050	2,104,963	93,270	1,716,936	3,493,592	831,981	3,597,932	4,444,349	31,305,869
Southeastern	4,101,708	4,398,057	1,226,137	829,853	1,503,667	1,982,304	441,813	1,805,256	2,654,322	18,943,117
Total	\$116,106,701	\$116,697,350	\$40,231,917	\$10,357,599	\$28,870,168	\$42,411,957	\$13,204,505	\$53,914,295	\$60,371,148	\$482,165,640

* Financial information submitted from unaudited information.

NOTE: Figures rounded to the nearest dollar. Each "|" denotes \$1,000,000. SOURCE: Iowa Department of Education, Bureau of Community College Services AS-15E.

Table 15-16: Full-Time Equivalent Enrollment (FTEE): 2005

College	Credit		Non-Credit		Total FTEE
	Eligible Credit Hours	FTEE	Eligible Credit Hours	FTEE	
Northeast	104,437	4,351.52	401,352	668.92	5,020.44
North Iowa Area	67,465	2,811.04	530,845	884.74	3,695.78
Iowa Lakes	71,013	2,958.88	99,078	165.13	3,124.01
Northwest	24,757	1,031.54	287,848	479.75	1,511.29
Iowa Central	102,600	4,274.99	413,014	688.36	4,963.35
Iowa Valley	67,048	2,793.65	377,571	629.29	3,422.94
Hawkeye	122,127	5,088.63	408,562	680.94	5,769.57
Eastern Iowa	154,483	6,436.80	770,784	1,284.64	7,721.44
Kirkwood	342,063	14,252.60	1,237,643	2,062.74	16,315.34
Des Moines Area	309,718	12,904.92	1,271,037	2,118.40	15,023.32
Western Iowa Tech	106,498	4,437.42	365,937	609.90	5,047.32
Iowa Western	103,785	4,324.38	487,576	812.63	5,137.01
Southwestern	29,300	1,220.81	195,317	325.53	1,546.34
Indian Hills	101,668	4,236.17	368,796	614.66	4,850.83
Southeastern	75,157	3,131.55	200,286	333.81	3,465.36
Total	1,782,117	74,254.90	7,415,647	12,359.44	86,614.34

NOTE: Each “|” denotes 10,000 students.

SOURCE: Iowa Department of Education, Bureau of Community College Services Services, Community College MIS.

Table 15-17: Full-Time Equivalent Enrollment (FTEE): 2006

College	Credit		Non-Credit		Total FTEE
	Eligible Credit Hours	FTEE	Eligible Credit Hours	FTEE	
Northeast	95,769	3,990.39	355,462	592.44	4,582.83
North Iowa Area	66,246	2,760.25	491,416	819.03	3,579.28
Iowa Lakes	70,472	2,936.33	93,555	155.93	3,092.26
Northwest	26,690	1,112.08	303,289	505.48	1,617.56
Iowa Central	103,484	4,311.83	429,297	715.49	5,027.32
Iowa Valley	61,685	2,570.21	395,311	658.85	3,229.06
Hawkeye	120,959	5,039.96	362,594	604.32	5,644.28
Eastern Iowa	160,349	6,681.19	795,063	1,325.10	8,006.29
Kirkwood	332,694	13,862.25	978,454	1,630.76	15,493.01
Des Moines Area	325,384	13,557.67	1,405,097	2,341.83	15,899.50
Western Iowa Tech	102,455	4,268.96	368,555	614.26	4,883.22
Iowa Western	109,567	4,565.27	464,212	773.69	5,338.96
Southwestern	29,500	1,229.15	205,218	342.03	1,571.18
Indian Hills	100,558	4,189.92	361,174	601.96	4,791.88
Southeastern	75,217	3,134.04	213,857	356.43	3,490.47
Total	1,781,027	74,209.50	7,222,551	12,037.60	86,247.10

NOTE: Each "l" denotes 10,000 students.

SOURCE: Iowa Department of Education, Bureau of Community College Services Services, Community College MIS.

Table 15-18: Full-Time Equivalent Enrollment (FTEE): 2007

College	Credit		Non-Credit		Total FTEE
	Eligible Credit Hours	FTEE	Eligible Contact Hours	FTEE	
Northeast	92,109	3,837.88	403,177	671.96	4,509.84
North Iowa Area	66,021	2,750.88	460,871	768.12	3,518.99
Iowa Lakes	71,587	2,982.79	80,251	133.75	3,116.54
Northwest	28,509	1,187.88	255,644	426.07	1,613.95
Iowa Central	108,405	4,516.88	487,177	811.96	5,328.84
Iowa Valley	62,105	2,587.71	341,901	569.84	3,157.54
Hawkeye	127,104	5,296.00	332,516	554.19	5,850.19
Eastern Iowa	149,251	6,218.79	758,491	1,264.15	7,482.94
Kirkwood	351,067	14,627.79	919,676	1,532.79	16,160.59
Des Moines Area	345,204	14,383.50	1,745,201	2,908.67	17,292.17
Western Iowa Tech	101,623	4,234.29	351,401	585.67	4,819.96
Iowa Western	114,618	4,775.75	437,562	729.27	5,505.02
Southwestern	32,455	1,352.29	203,478	339.13	1,691.42
Indian Hills	107,736	4,489.00	324,423	540.71	5,029.71
Southeastern	73,360	3,056.67	216,337	360.56	3,417.23
Total	1,831,154	76,298.10	7,318,105	12,196.84	88,494.93

NOTE: Each "I" denotes 10,000 students.

SOURCE: Iowa Department of Education, Bureau of Community College Services Services, Community College MIS.

Table 15-19: Full-Time Equivalent Enrollment (FTEE): 2008

College	Credit		Non-Credit		Total FTEE
	Eligible Credit Hours	FTEE	Eligible Contact Hours	FTEE	
Northeast	97,481	4,061.71	338,129	563.55	4,625.26
North Iowa Area	68,219	2,842.46	435,744	726.24	3,568.70
Iowa Lakes	69,415	2,892.29	83,578	139.30	3,031.59
Northwest	29,668	1,236.17	224,563	374.27	1,610.44
Iowa Central	117,385	4,891.04	526,377	877.29	5,768.33
Iowa Valley	61,988	2,582.83	321,244	535.41	3,118.24
Hawkeye	126,222	5,259.25	313,813	523.02	5,782.27
Eastern Iowa	149,518	6,229.92	825,888	1,376.48	7,606.40
Kirkwood	337,606	14,066.92	914,090	1,523.48	15,590.40
Des Moines Area	371,161	15,465.04	1,631,203	2,718.67	18,183.71
Western Iowa Tech	99,937	4,164.04	381,868	636.45	4,800.49
Iowa Western	114,261	4,760.88	469,274	782.12	5,543.00
Southwestern	32,228	1,342.83	212,347	353.91	1,696.74
Indian Hills	109,797	4,574.88	304,986	508.31	5,083.19
Southeastern	74,034	3,084.75	251,686	419.48	3,504.23
Total	1,858,920	77,455.01	7,234,790	12,057.98	89,512.99

NOTE: Each “|” denotes 10,000 students.

SOURCE: Iowa Department of Education, Bureau of Community College Services Services, Community College MIS.

Table 15-20: Full-Time Equivalent Enrollment (FTEE): 2009

College	Credit		Non-Credit		Total FTEE
	Eligible Credit Hours	FTEE	Eligible Contact Hours	FTEE	
Northeast	102,771	4,282.13	385,162	641.94	4,924.06
North Iowa Area	74,898	3,120.75	416,916	694.86	3,815.61
Iowa Lakes	71,822	2,992.58	93,215	155.36	3,147.94
Northwest	29,557	1,231.54	206,581	344.30	1,575.84
Iowa Central	12,712	5,113.00	513,752	856.25	5,969.25
Iowa Valley	66,248	2,760.33	309,611	516.02	3,276.35
Hawkeye	127,914	5,329.75	308,028	513.38	5,843.13
Eastern Iowa	152,300	6,345.83	912,705	1,521.18	7,867.01
Kirkwood	342,517	14,271.54	1,043,749	1,739.58	16,011.12
Des Moines Area	394,903	16,454.29	1,403,672	2,339.45	18,793.75
Western Iowa Tech	96,902	4,037.58	419,720	699.53	4,737.12
Iowa Western	122,700	5,112.50	479,292	798.82	5,911.32
Southwestern	32,217	1,342.38	220,421	367.37	1,709.74
Indian Hills	114,089	4,753.71	292,528	487.55	5,241.26
Southeastern	75,816	3,159.00	220,035	366.73	3,525.73
Total	1,817,366	80,306.92	7,225,387	12,042.31	92,349.23

Note: Each "I" denotes 10,000 students. Source: Iowa Department of Education, Bureau of Community College Services Services, Community College MIS.

Table 15-21: State General Aid: 2006-2010

College	2005	2006	2007	2008	2009	2010
Northeast	6,717,353	7,235,394	7,786,416	8,472,001	9,074,424	7,108,119
North Iowa Area	7,859,917	8,293,881	8,746,545	9,282,134	9,840,581	7,665,269
Iowa Lakes	7,295,985	7,673,998	8,076,172	8,544,806	9,045,521	7,057,067
Northwest	3,569,332	3,764,072	3,965,756	4,200,810	4,449,263	3,466,402
Iowa Central	7,499,287	8,129,369	8,716,683	9,408,978	9,992,314	7,777,246
Iowa Valley	6,918,909	7,299,114	7,697,799	8,169,643	8,656,370	6,748,277
Hawkeye	10,008,601	10,652,239	11,295,091	12,077,303	12,826,359	10,013,724
Eastern Iowa	12,311,409	13,139,157	13,968,730	15,025,656	15,963,828	12,459,473
Kirkwood	19,369,288	21,321,279	23,342,242	25,854,971	27,662,970	21,570,047
Des Moines Area	20,524,506	22,050,079	23,626,432	25,758,739	27,602,009	21,560,295
Western Iowa Tech	8,084,396	8,684,671	9,256,058	9,918,232	10,522,547	8,193,497
Iowa Western	8,298,918	8,819,900	9,349,224	10,041,096	10,685,790	8,341,492
Southwestern	3,612,936	3,810,283	4,015,573	4,251,743	4,505,374	3,514,631
Indian Hills	11,362,216	11,972,648	12,611,064	13,348,554	14,147,609	11,026,443
Southeastern	6,346,191	6,733,160	7,125,459	7,607,749	8,087,455	6,308,670
Total	\$139,779,244	\$149,579,244	\$159,579,244	\$171,962,414	\$183,062,414	\$142,810,652

Note: State General Aid reflected 10 percent reduction for 2009, a 2.5% reduction effective November 2003, and a 10% rescission of the reduction in June 2004. This amount does not include the separate supplemental salary appropriation (\$2 million in fiscal year 2008 and \$1.5 million in fiscal year 2009). There was a one-time appropriation that was made in fiscal year 2004 totaling \$762,675. Source: Laws of the General Assembly.

16

HUMAN RESOURCES

During fiscal year 2009, Iowa Community Colleges had 12,710 employees, which included administrative, instructional, professional, secretarial and clerical, and service. Some employees were included in more than one reporting category, for example an administrator who might also teach a course. Thus, there were 14,117 positions reported in 2009. The MIS data does not include employees teaching only noncredit courses for community colleges.

While the total number of employees increased by 0.3 percent from 2008, the professional composition of community college employees remained relatively the same for the past five years. The largest group was instructional (48.0%), followed by professional (22.5%), secretarial and clerical (17.4%), service (10.6%) and administrative (1.4%). Before 2005, secretarial and clerical staff outnumbered professional staff (Figure 16-1).

The distribution by the type of employment also demonstrated relative stability throughout 10 years since the tracking began. Full-time employment was prevalent,

COMMUNITY COLLEGE EMPLOYEES

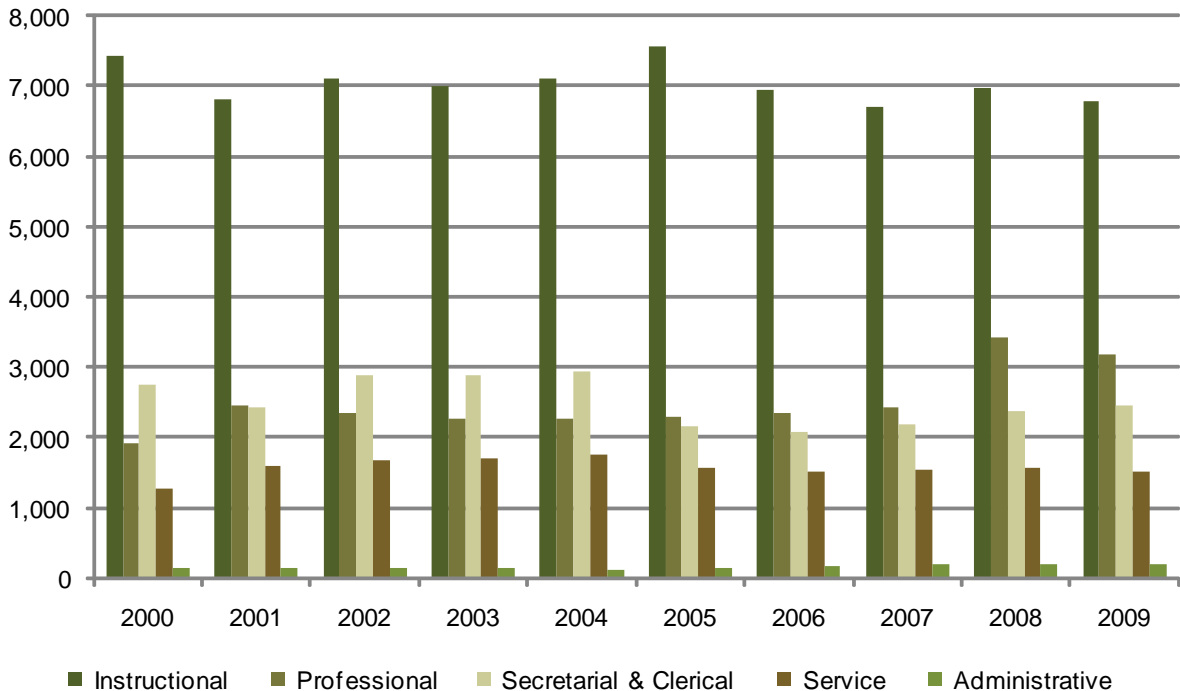
NUMBER OF EMPLOYEES: **12,710** GROWTH SINCE LAST YEAR: **↑ 0.3%**

FACULTY, POSITIONS: **6,793** FACULTY, OF ALL EMPLOYEES: **48%**

Down 2.7% since 2008 No change since 2008

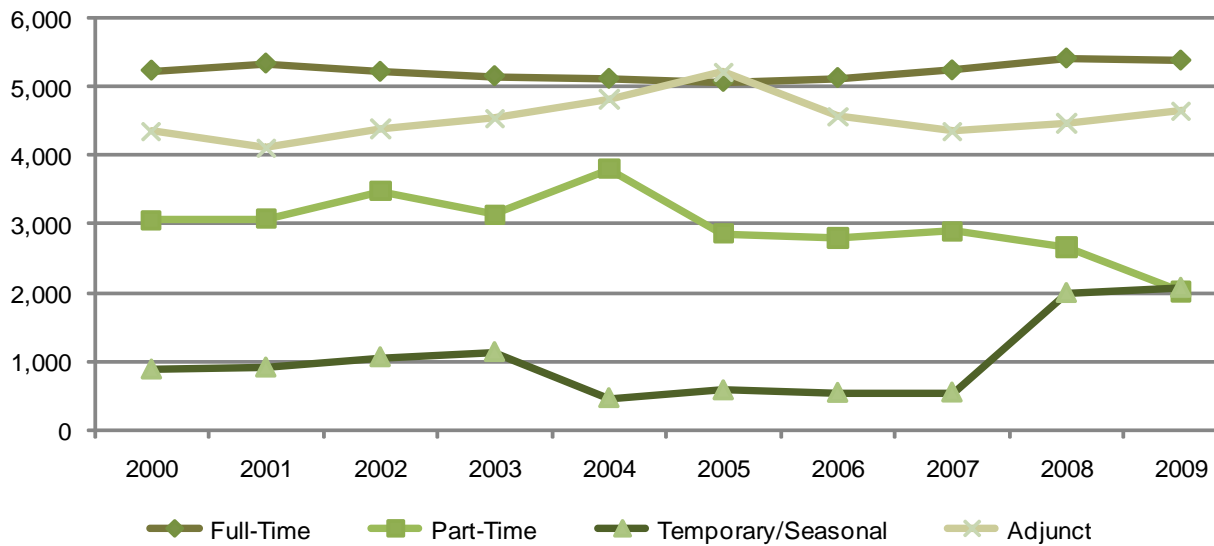
with over 38 percent of all employment in 2009. Number of adjuncts was only 33 percent of all staff in 2009 while it was close to the number of full-time employees in 2008, and even outpaced them in 2005. Numbers for temporary/seasonal staff demonstrated dramatic change in 2008, from 542 to 1,990 employees — a 353 percent increase, and kept growing to 2,066 in 2009 (Figure 16-2).

Figure 16-1: Iowa Community Colleges Employees by Position Type: 2000-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 16-1.

Figure 16-2: Employment by Type: 2000-2009

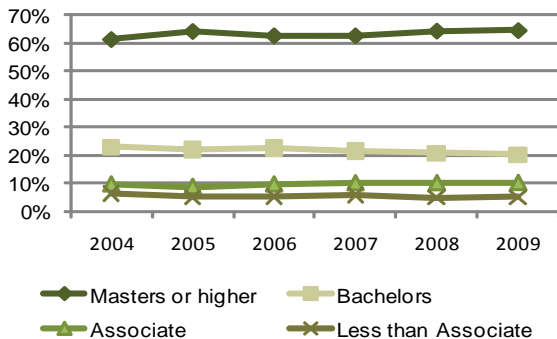


SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 16-1.

Employees Education and Demographics

Iowa community college instructors and administrators have continuously improved their education. The number of instructors and administrators with doctoral degrees demonstrated a steady growth between 2004 and 2008, from 201 to 226 (11%), then slightly dropped to 219 (still 11%) in 2009. Before 2004, the numbers for masters degree or higher fluctuated between 49 percent and 61 percent, but since 2004 they steadily grew to a record high 64.4 percent in 2008, before they slightly dropped to 63 percent in 2009. The number of bachelor’s degree instructors and administrators declined, while the number of associate’s degree holders grew slowly between 2006 and 2009. (Figure 16-3).

**Figure 16-3:
Instructors and Administrators Degrees**



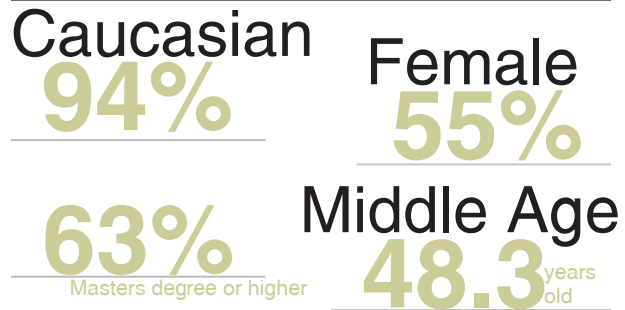
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, for the latest five years, see Tables 16-2 and 16.3.

A typical community college instructor, as with prior years, was female, slightly over 48 years of age, and white. The percent of racial/ethnic minorities

grew between 2008 and 2009 from 5.5 to 6.1, and the ten-year comparison demonstrated a steady increase in the number of racial/ethnic minorities among Iowa community colleges employees: an average growth between 2000 and 2009 was 5.3 percent (Figure 16-4).

The distribution within the racial minorities was not

TYPICAL COMMUNITY COLLEGE INSTRUCTOR

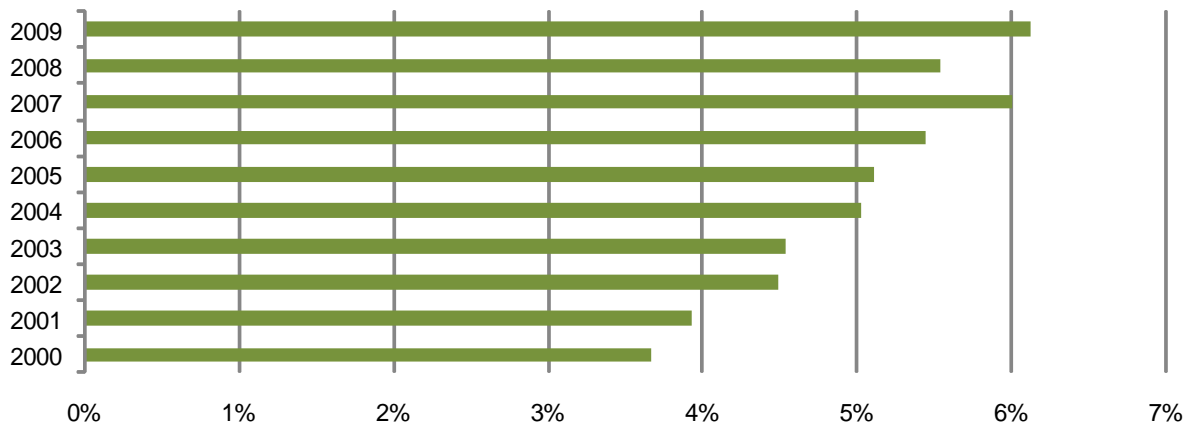


as linear. While the percentage of American Indians remained relatively stable throughout 10 years of reporting, Asians demonstrated increases and declines, and both Hispanics and blacks showed steady growth. Blacks represented the largest racial minority group of employees (42.9 percent of all racial minorities), however, Hispanics demonstrated the fastest growth—6.8 percent compared to 6.6 percent for blacks between 2000 and 2009 (Figure 16-5).

Gender composition of Iowa community colleges employees remained stable. In 2000, the females composed 58 percent, and in 2009 they were almost 59 percent of all employees (Figure 16-6).

In 2009, the age distribution of Iowa community colleges employees presented a wide palette of groups, from teen years to early eighties. The largest groups

Figure 16-4: Percent of Racial Minorities Among Employees: 2000-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Tables 16-23 through 16-27 for five years of data.

were among those between 19-21 and 53-65, peaking at 56. The average age of community college employees was 45.6 years old, and the median age was 47.3 years-old (Figure 16-7).

Distributed among seven age groups, from under 17 to over 55, the largest group of employees in 2009 was between 40-55 years-old. The fastest growing group, however, was over 55 years-old. From 2005 to 2009, that group grew 4.9 percent on average (Table 16-23).

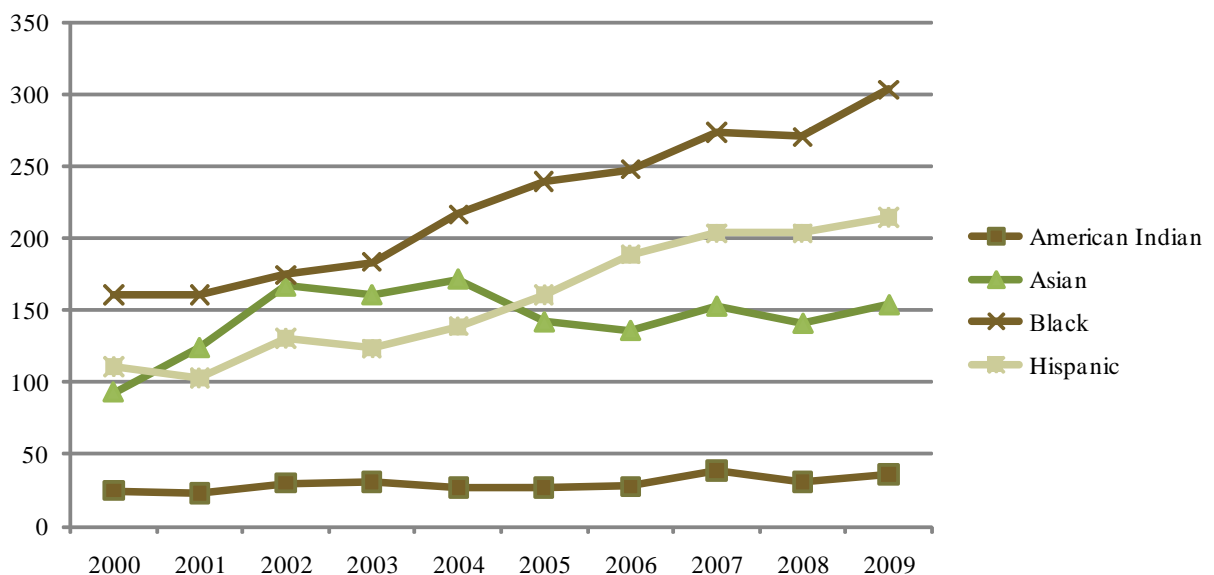
The largest group of community college administrators was between 50 and 54 years-old. The average age of

administrators was 52.8 years-old and the median age was 53.5 years-old (Figure 16-8).

Iowa community college full-time instructional staff was presented by all ages between 23 and 72. The largest group was between 53 and 58. The average age of community college full-time instructors was 48.3 years-old and the median age was 49.1 (Figure 16-9).

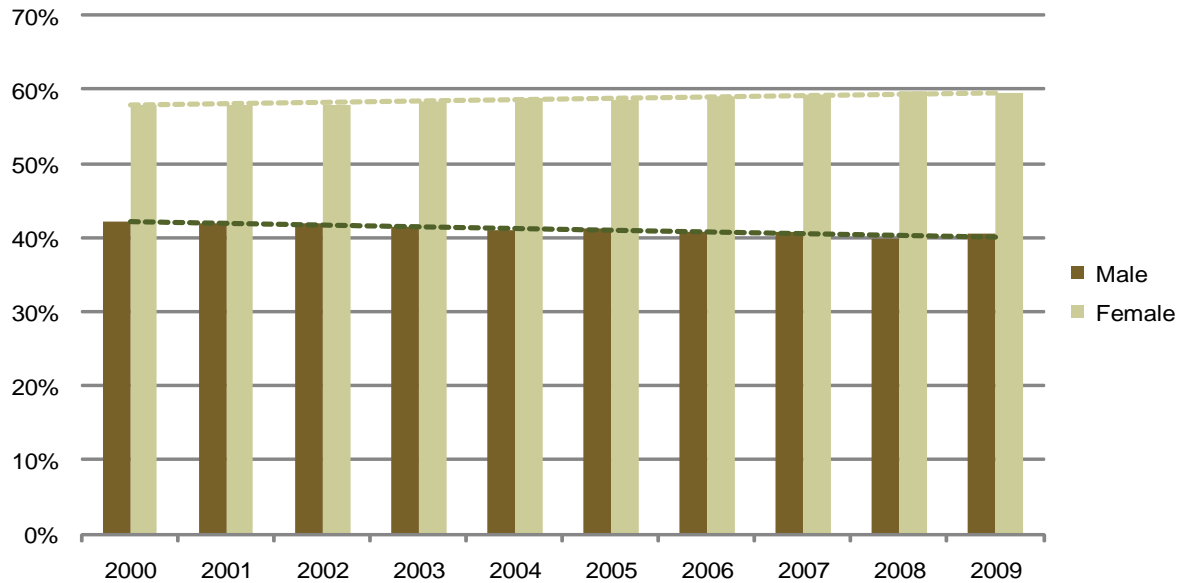
The most recent data from the U.S. Education Department showed that 66.1 percent of the nation's community college faculty were between the ages of 45 and 64 (McCormack, 2008). The number of Iowa

Figure 16-5: Distribution of Racial/Ethnic Minorities Among Employees: 2000-2009



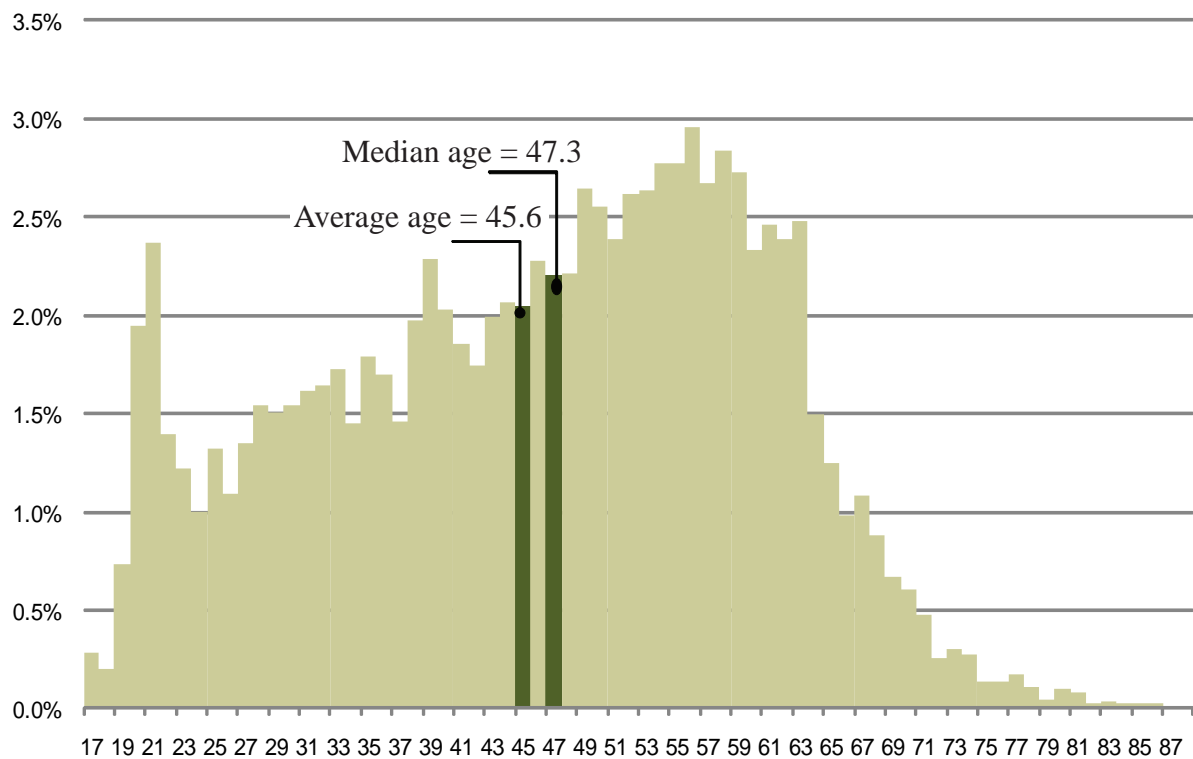
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 16-5 and Tables 16-23 through 16-27 for five years of data.

Figure 16-6: Gender Distribution of Employees: 2000-2009.



SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 16-28 for the latest five years.

Figure 16-7: Age of Community College Employees: 2009



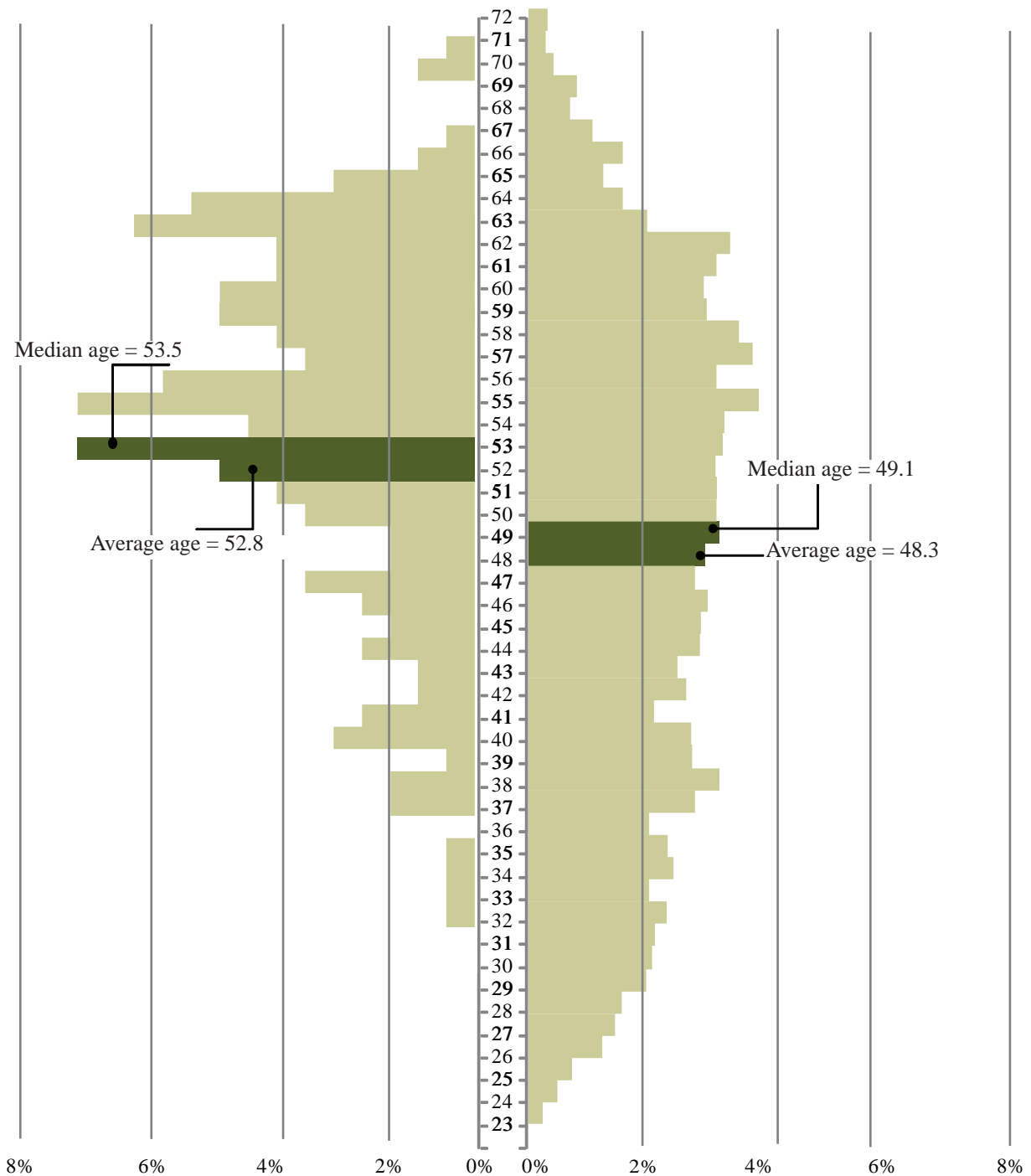
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Table 16-4 and Tables 16-18 through 16-22 for the latest five years.

community college full-time faculty in the same age group was smaller than the nationwide number — 53.1 percent in 2009. The average age of Iowa community college full-time faculty dropped from 49.3 in 2008 to 48.3 in 2009 for the first time since 2004. The median age has also dropped from 50.2 to 49.1 (Figure 16-9).

The average base salary based on a none-month

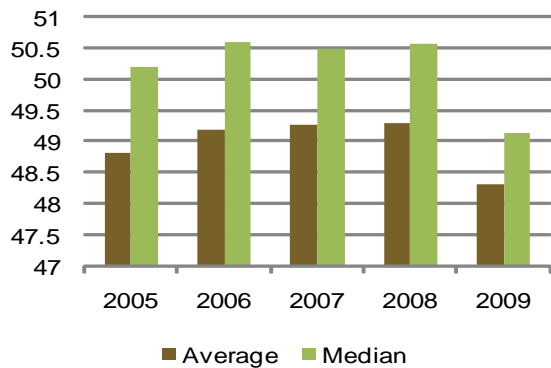
contract for full-time instructional employees reported by community colleges increased from \$49,606 in fiscal year 2008 to \$52,801 in fiscal year 2009. The average increase of full-time instructional staff salaries since 2001 was 3.3 percent (Figure 16-11). In addition to the MIS, there are a number of other state and federal reports that publish faculty salaries; variances across those

Figure 16-9: Distribution of Administrators (Left) and Instructors (Right) by Age: 2009



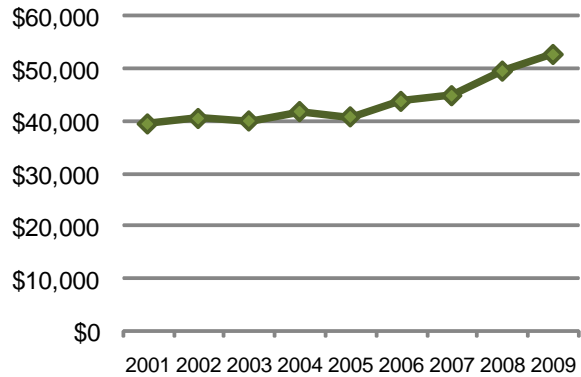
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS, see Tables 16-18 through 16-22 for the latest five years.

Figure 16-10: Average and Median Age of Full-Time Instructors: 2005-2009



SOURCE: Iowa Department of Education, Bureau of Community College Services, see Tables 16-18 through 16-22 for the latest five years.

Figure 16-11: Average Base Salary of Full-Time Instructors: 2001-2009



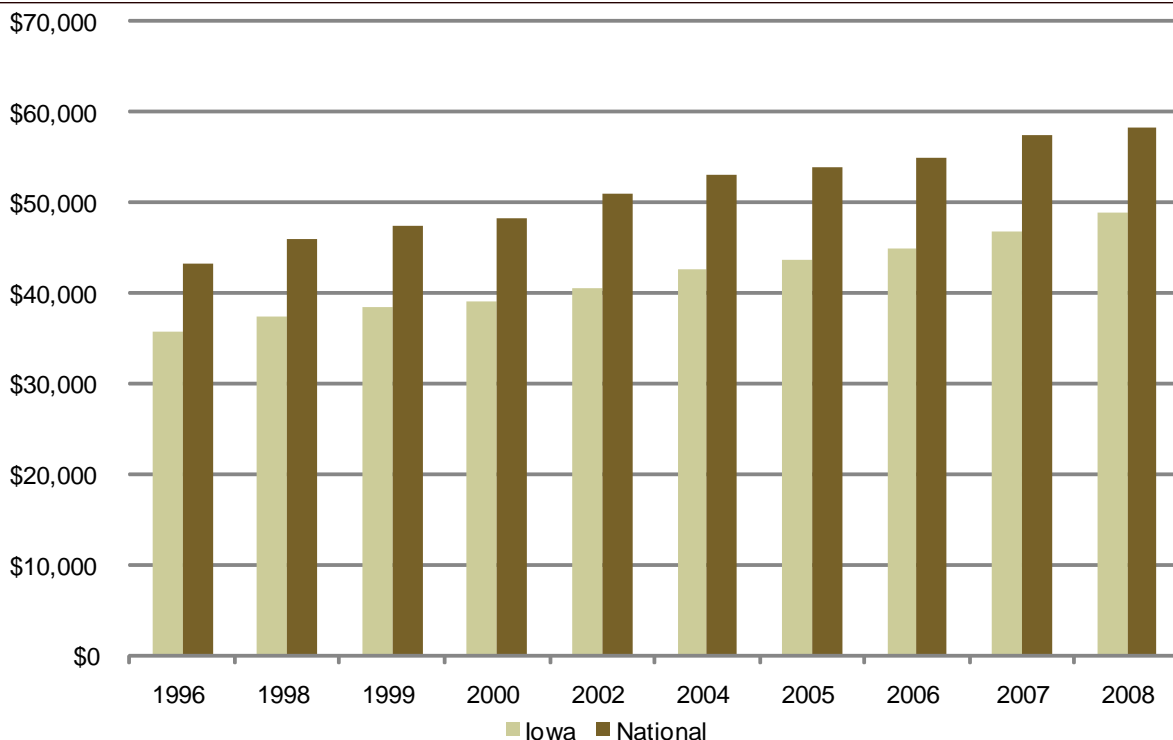
SOURCE: Iowa Department of Education, Bureau of Community College Services, Table 16-6.

reports are due to differences in factors (i.e., definitions, classification systems, and contract periods).

The *Chronicle of Higher Education Almanac* publishes annual numbers for colleges nationwide and by state. According to those numbers, Iowa community college instructors were paid on average 84.1 percent of the national average salary for two-year public institutions

in fiscal year 2008 (latest available data). Based on the data from 1996 through 2008, the average salary increase for Iowa full-time community college instructors was 3.2 percent, while the average salary increase for community college full-time faculty nationally was three percent (Figure 16-12).

Figure 16-12: Comparison of Iowa and National Salaries Average Full-Time Faculty Members: 1996-2008



NOTE: Before 2004, Chronicle of Higher Education Almanac published the data every other year. SOURCE: *The Chronicle of Higher Education Almanac* Issues 1998 through 2009. See Table 16-7.

Table 16-1: Employees by Position: 2005—2009

Fiscal Year	Employment Type	Administrative	Instructional	Professional	Secretarial & Clerical	Service	Total
2005	Full-Time	134	1,866	1,657	937	474	5,068
	Part-Time	2	521	602	954	776	2,855
	Temp./Seasonal	0	15	9	254	296	574
	Adjunct	0	5,150	19	18	27	5,214
Total	136	7,552	2,287	2,163	1,573	13,711	
2006	Full-Time	175	1,966	1,635	910	439	5,125
	Part-Time	0	389	679	939	786	2,793
	Temp./Seasonal	1	31	12	216	277	537
	Adjunct	0	4,545	6	15	3	4,569
Total	176	6,931	2,332	2,080	1,505	13,024	
2007	Full-Time	185	1,964	1,707	943	438	5,237
	Part-Time	3	404	678	1,019	793	2,897
	Temp./Seasonal	0	18	19	216	289	542
	Adjunct	0	4,325	11	8	6	4,350
Total	188	6,711	2,415	2,186	1,526	13,026	
2008	Full-Time	198	1,909	1,927	938	439	5,411
	Part-Time	1	228	812	1,067	556	2,664
	Temp./Seasonal	0	417	661	348	564	1,990
	Adjunct	0	4,427	18	16	8	4,469
Total	199	6,981	3,418	2,369	1,567	14,534	
2009	Full-Time	192	1,919	1,913	933	423	5,380
	Part-Time	2	155	550	759	553	2,019
	Temp./Seasonal	1	110	694	744	517	2,066
	Adjunct	0	4,609	21	14	8	4,652
Total	195	6,793	3,178	2,450	1,501	14,117	

Note: Each "I" denotes 300 positions. Individuals may be employed in a number of positions at a community college. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-2: Degrees for Instructors: 2005—2009

Degree	2005	2006	2007	2008	2009
Doctorate	154	166	168	179	179
Ed. Special	9	16	14	15	15
Masters	928	998	1,022	1,010	1,038
Bachelors	385	432	424	380	386
Associate	161	199	208	208	214
Diploma	58	56	60	54	58
Certificate	10	16	22	16	19
High School	23	37	36	28	28
Non-Graduate	0	1	2	3	3
Not Provided	138	45	61	13	23
Total	1,866 	1,966 	1,994 	1,906 	1,963

Note: Each “|” denotes 100 individuals. Total full-time instructional employees does not equal total instructional positions because some employees are employed by more than one institution. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-3: Degrees for Administrators: 2005—2009

Degree	2005	2006	2007	2008	2009
Doctorate	35	34	34	47	48
Ed. Special	8	8	7	5	5
Masters	53	85	62	84	89
Bachelors	23	39	25	51	43
Associate	0	0	1	2	4
Diploma	0	0	1	0	0
Certificate	0	0	0	0	0
High School	1	0	0	0	
Non-Graduate	0	0	1	0	0
Not Provided	14	9	55	8	1
Total	134 	175 	186 	198 	193

Note: Each “|” denotes 10 individuals. Total full-time instructional employees does not equal total instructional positions because some employees are employed by more than one institution. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-4: Employees by Age: 2005—2009

Fiscal Year	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	Unknown	Total
2005	38	1,081	679	735	2,024	5,050	2,619	72	12,298
2006	32	884	584	714	1,968	4,938	2,723	24	11,867
2007	30	973	559	774	1,953	4,871	2,931	19	12,110
2008	34	1,089	616	786	2,053	4,830	3,224	44	12,676
2009	61	977	605	785	2,034	4,784	3,420	44	12,710

Note: Each "1" denotes 100 employees. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-5: Employees by Race/Ethnicity: 2005—2009

Fiscal Year	American Indian	Asian	Black	Hispanic	White	No Response	Total
2005	27	142	240	161	10,578	1,150	12,298
2006	28	136	248	189	10,446	820	11,867
2007	39	153	274	204	10,501	780	11,951
2008	31	141	271	204	11,033	996	12,676
2009	36	154	304	215	10,877	1,124	12,676

Note: Each "1" denotes 100 employees. No Response includes individuals who did not respond or colleges who did not report a ethnicity/race. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-6: Base Salary for Instructors: 2005—2009

Fiscal Year	Full-Time Instructional	
	Positions	Average Base Salary
2005	1,866	40,816
2006	1,966	43,789
2007	1,964	44,876
2008	1,909	49,606
2009	1,846	52,801

Note: Each “I” denotes \$1,000. In 2005, one college did not report base salary. That college had employees totaling 135, which were included in the “Number of Full-Time Instructional Positions” above. Average Base Salary was calculated based on the 14 community colleges reporting base salary.

Table 16-7: Iowa and National Wages for Instructors: 1996—2009

Fiscal Year	Almanac Issue, Fiscal Year	Iowa 2-Year Public Institutions	National 2-Year Public Institutions
1996	1998 & 1999	35,726	43,295
1998	2000 & 2001	37,460	45,919
1999	2002	38,334	47,285
2000	2003 & 2004	38,950	48,240
2002	2005	40,431	50,837
2004	2006	42,624	53,080
2005	2007	43,675	53,932
2006	2008	44,943	54,895
2007	2009	46,661	57,466
2008	2010	48,911	58,175

Note: Data in *The Chronicle of Higher Education Almanac* issue was repeated in fiscal year 1999, 2001, and 2004. Each “I” denotes \$1,000. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-8: Degrees for Administrators: 2005

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	1	0	5	0	0	0	0	0	0	1	7	5%
North Iowa Area	1	1	5	3	0	0	0	0	0	0	10	7%
Iowa Lakes	2	0	3	0	0	0	0	1	0	2	8	6%
Northwest	3	0	2	1	0	0	0	0	0	0	6	4%
Iowa Central	0	0	0	0	0	0	0	0	0	7	7	5%
Iowa Valley	3	0	3	2	0	0	0	0	0	0	8	6%
Hawkeye	1	0	2	3	0	0	0	0	0	2	8	6%
Eastern Iowa	5	0	4	0	0	0	0	0	0	0	9	7%
Kirkwood	3	0	2	4	0	0	0	0	0	2	11	8%
Des Moines Area	5	1	6	2	0	0	0	0	0	0	14	10%
Western Iowa Tech	4	1	2	1	0	0	0	0	0	0	8	6%
Iowa Western	2	0	2	1	0	0	0	0	0	0	5	4%
Southwestern	1	1	0	2	0	0	0	0	0	0	4	3%
Indian Hills	4	4	7	3	0	0	0	0	0	0	18	13%
Southeastern	0	0	10	1	0	0	0	0	0	0	11	8%
Total	35	8	53	23	0	0	0	1	0	14	134	100%
Percent	26%	6%	40%	17%	0%	0%	0%	1%	0%	10%	100%	

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-9: Degrees for Administrators: 2006

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	2	0	7	0	0	0	0	0	0	0	9	5%
North Iowa Area	1	1	2	0	0	0	0	0	0	0	4	2%
Iowa Lakes	0	0	5	1	0	0	0	0	0	4	10	6%
Northwest	3	0	3	1	0	0	0	0	0	0	7	4%
Iowa Central	1	0	3	0	0	0	0	0	0	1	5	3%
Iowa Valley	2	0	1	3	0	0	0	0	0	0	6	3%
Hawkeye	1	1	1	2	0	0	0	0	0	0	5	3%
Eastern Iowa	5	0	4	0	0	0	0	0	0	0	9	5%
Kirkwood	3	0	32	22	0	0	0	0	0	4	61	35%
Des Moines Area	5	1	6	2	0	0	0	0	0	0	14	8%
Western Iowa Tech	3	1	4	1	0	0	0	0	0	0	9	5%
Iowa Western	2	0	2	1	0	0	0	0	0	0	5	3%
Southwestern	1	1	0	2	0	0	0	0	0	0	4	2%
Indian Hills	3	3	7	3	0	0	0	0	0	0	16	9%
Southeastern	2	0	8	1	0	0	0	0	0	0	11	6%
Total	34	8	85	39	0	0	0	0	0	9	175	100%
Percent	19%	5%	49%	22%	0%	0%	0%	0%	0%	5%	100%	

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-10: Degrees for Administrators: 2007

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	2	0	5	0	0	1	0	0	0	0	8	5%
North Iowa Area	0	0	0	0	0	0	0	0	0	0	0	0%
Iowa Lakes	0	0	5	1	0	0	0	0	0	2	8	5%
Northwest	3	0	4	0	0	0	0	0	0	0	7	4%
Iowa Central	1	0	3	0	0	0	0	0	0	1	5	3%
Iowa Valley	2	0	1	2	0	0	0	0	0	1	6	4%
Hawkeye	1	1	3	0	0	0	0	0	0	0	5	3%
Eastern Iowa	5	0	4	0	0	0	0	0	0	0	9	5%
Kirkwood	2	0	9	5	0	0	0	0	0	48	64	37%
Des Moines Area	5	1	5	1	0	0	0	0	0	0	12	7%
Western Iowa Tech	3	1	5	1	0	0	0	0	1	0	11	6%
Iowa Western	1	0	2	1	0	0	0	0	0	0	4	2%
Southwestern	2	1	0	2	0	0	0	0	0	0	5	3%
Indian Hills	3	3	6	3	0	0	0	0	0	0	15	9%
Southeastern	3	0	6	3	0	0	0	0	0	0	12	7%
Total	33	7	58	19	0	1	0	0	1	52	171	100%
Percent	19%	4%	34%	11%	0%	1%	0%	0%	1%	30%	100%	

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-11: Degrees for Administrators: 2008

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	3	0	6	0	0	0	0	1	0	0	10	5%
North Iowa Area	3	0	0	1	0	0	0	0	0	0	4	2%
Iowa Lakes	0	0	5	1	0	0	0	0	0	2	8	4%
Northwest	4	0	3	2	0	0	0	0	0	3	12	6%
Iowa Central	1	0	3	2	0	0	0	0	0	0	6	3%
Iowa Valley	2	0	4	1	0	0	0	0	0	1	8	4%
Hawkeye	4	1	2	2	0	0	0	0	0	0	9	5%
Eastern Iowa	5	0	4	0	0	0	0	0	0	0	9	5%
Kirkwood	6	0	36	30	1	0	0	0	0	2	75	38%
Des Moines Area	5	1	6	2	0	0	0	0	0	0	14	7%
Western Iowa Tech	4	0	5	1	0	0	0	0	0	0	10	5%
Iowa Western	2	0	1	2	0	0	0	0	0	0	5	3%
Southwestern	2	0	0	2	0	0	0	0	0	0	4	2%
Indian Hills	3	3	4	3	1	0	0	0	0	0	14	7%
Southeastern	3	0	5	2	0	0	0	0	0	0	10	5%
Total	47	5	84	51	2	0	0	0	0	8	198	100%
Percent	24%	3%	42%	26%	1%	0%	0%	0%	0%	4%	100%	

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-12: Degrees for Administrators: 2009

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	4	0	5	0	0	0	0	1	0	0	10	5%
North Iowa Area	3	0	0	1	0	0	0	0	0	0	4	2%
Iowa Lakes	1	0	8	2	2	0	0	0	0	1	14	7%
Northwest	4	0	1	3	0	0	0	0	0	0	8	4%
Iowa Central	1	0	2	2	0	0	0	1	0	0	6	3%
Iowa Valley	4	0	3	1	0	0	0	0	0	0	8	4%
Hawkeye	2	1	2	1	0	0	0	0	0	0	6	3%
Eastern Iowa	5	0	5	0	0	0	0	0	0	0	10	5%
Kirkwood	6	0	42	21	1	0	0	1	0	0	71	37%
Des Moines Area	5	1	6	2	0	0	0	0	0	0	14	7%
Western Iowa Tech	4	0	4	1	0	0	0	0	0	0	9	5%
Iowa Western	2	0	2	2	0	0	0	0	0	0	6	3%
Southwestern	1	0	1	2	0	0	0	0	0	0	4	2%
Indian Hills	3	3	4	3	1	0	0	0	0	0	14	7%
Southeastern	3	0	4	2	0	0	0	0	0	0	9	5%
Total	48	5	89	43	4	0	0	0	0	1	193	100%
Percent	25%	3%	46%	22%	2%	0%	0%	0%	0%	1%	100%	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-13: Degrees for Instructors: 2005

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	7	0	54	35	5	10	0	2	0	22	135	7%
North Iowa Area	6	0	55	15	4	0	1	1	0	0	82	4%
Iowa Lakes	3	2	49	25	4	4	1	1	0	14	103	6%
Northwest	0	0	13	9	10	5	1	1	0	2	41	2%
Iowa Central	0	0	23	7	1	0	0	1	0	42	74	4%
Iowa Valley	7	0	54	19	1	0	0	1	0	0	82	4%
Hawkeye	12	0	58	20	15	5	0	0	0	16	126	7%
Eastern Iowa	20	1	82	23	10	1	1	4	0	0	142	8%
Kirkwood	37	0	145	54	22	7	1	0	0	37	303	16%
Des Moines Area	31	2	140	68	33	8	3	4	0	0	289	15%
Western Iowa Tech	7	3	48	23	15	3	0	6	0	0	105	6%
Iowa Western	6	0	59	32	14	7	1	0	0	0	119	6%
Southwestern	2	0	37	7	2	2	0	1	0	0	51	3%
Indian Hills	7	1	61	31	20	4	1	0	0	4	129	7%
Southeastern	9	0	50	17	5	2	0	1	0	1	85	5%
Total	154	9	928	385	161	58	10	23	0	138	1,866	100%
Percent	8%	0%	50%	21%	9%	3%	1%	1%	0%	7%	100%	

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-14: Degrees for Instructors: 2006

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	8	0	69	31	4	11	0	2	0	5	130	7%
North Iowa Area	7	0	59	12	3	0	1	2	0	0	84	4%
Iowa Lakes	2	2	43	19	9	4	0	0	0	21	100	5%
Northwest	0	0	13	9	10	6	1	1	0	0	40	2%
Iowa Central	1	0	46	15	11	0	1	2	0	1	77	4%
Iowa Valley	8	0	52	15	5	1	1	1	0	0	83	4%
Hawkeye	12	0	64	26	17	5	0	0	0	5	129	7%
Eastern Iowa	20	2	105	59	22	1	5	17	0	0	231	12%
Kirkwood	40	4	143	55	26	1	0	0	0	10	279	14%
Des Moines Area	35	3	149	68	33	8	4	4	0	0	304	15%
Western Iowa Tech	8	4	42	22	14	3	0	5	1	0	99	5%
Iowa Western	7	0	65	38	12	6	1	0	0	0	129	7%
Southwestern	3	0	34	9	3	2	0	1	0	1	53	3%
Indian Hills	7	1	67	38	23	4	2	2	0	0	144	7%
Southeastern	8	0	47	16	7	4	0	0	0	2	84	4%
Total	166	16	998	432	199	56	16	37	1	45	1,966	100%
Percent	8%	1%	51%	22%	10%	3%	1%	2%	0%	2%	100%	

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-15: Degrees for Instructors: 2007

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	6	0	77	20	8	5	0	0	0	7	123	6%
North Iowa Area	7	0	53	11	3	0	1	2	0	0	77	4%
Iowa Lakes	1	2	50	22	13	5	0	0	0	33	126	6%
Northwest	0	0	13	10	11	5	1	1	0	1	42	2%
Iowa Central	2	0	50	15	11	0	1	3	0	1	83	4%
Iowa Valley	7	0	49	14	6	1	1	2	0	0	80	4%
Hawkeye	11	0	62	29	15	5	3	1	0	0	126	6%
Eastern Iowa	20	2	108	52	21	1	5	16	0	0	225	11%
Kirkwood	42	5	144	56	29	9	0	0	0	7	292	14%
Des Moines Area	38	2	161	73	35	8	4	4	0	0	325	16%
Western Iowa Tech	10	4	45	25	12	4	1	4	0	0	105	5%
Iowa Western	8	0	72	34	13	4	1	0	1	9	142	7%
Southwestern	2	0	38	11	3	5	1	1	1	2	64	3%
Indian Hills	8	1	63	46	23	4	2	2	0	0	149	7%
Southeastern	7	0	47	15	9	4	1	0	0	1	84	4%
Total	169	16	1,032	433	212	60	22	36	2	61	2,043	100%
Percent	8%	1%	51%	21%	10%	3%	1%	2%	0%	3%	100%	

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-16: Degrees for Instructors: 2008

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	5	0	65	24	12	3	0	2	0	0	111	6%
North Iowa Area	7	0	54	13	5	0	1	2	0	0	82	4%
Iowa Lakes	4	2	50	22	11	5	0	0	0	9	103	5%
Northwest	0	0	16	9	12	5	1	1	0	1	45	2%
Iowa Central	4	0	54	16	11	1	1	6	0	0	93	5%
Iowa Valley	10	0	58	7	8	0	0	2	0	0	85	4%
Hawkeye	11	0	64	26	14	5	1	3	0	0	124	7%
Eastern Iowa	21	1	90	22	12	1	1	3	0	0	151	8%
Kirkwood	39	4	140	54	29	10	0	0	0	0	276	14%
Des Moines Area	42	2	167	68	39	6	4	4	0	1	333	17%
Western Iowa Tech	8	3	41	16	15	2	0	4	1	0	90	5%
Iowa Western	10	2	72	40	12	4	1	0	1	0	142	7%
Southwestern	2	0	36	9	1	3	1	1	1	2	56	3%
Indian Hills	9	1	53	37	19	5	3	0	0	0	127	7%
Southeastern	7	0	50	17	8	4	2	0	0	0	88	5%
Total	179	15	1,010	380	208	54	16	28	3	13	1,906	100%
Percent	9%	1%	53%	20%	11%	3%	1%	1%	0%	1%	100%	100%

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-17: Degrees for Instructors: 2009

College	Doctorate	Ed Special	Masters	Bachelors	Associate	Diploma	Certificate	High School	Non-Grad	Not Pro- vided	Total	Percent
Northeast	7	0	64	21	13	3	0	2	0	0	110	6%
North Iowa Area	7	0	59	14	5	0	2	2	0	3	92	5%
Iowa Lakes	3	2	56	25	8	5	0	0	0	10	109	6%
Northwest	0	0	16	9	11	6	1	1	0	0	44	2%
Iowa Central	4	0	48	14	13	1	1	5	0	4	90	5%
Iowa Valley	8	0	57	11	9	0	0	2	0	0	87	4%
Hawkeye	12	0	63	24	16	7	0	3	0	0	125	6%
Eastern Iowa	22	1	94	22	14	1	1	4	0	0	159	8%
Kirkwood	42	4	149	56	27	9	0	0	0	0	287	15%
Des Moines Area	38	2	168	68	40	7	5	3	0	1	332	17%
Western Iowa Tech	7	3	44	19	14	2	0	3	1	1	94	5%
Iowa Western	10	2	72	37	13	5	3	0	1	1	144	7%
Southwestern	2	0	38	7	1	3	1	1	1	3	57	3%
Indian Hills	10	1	61	42	21	5	2	2	0	0	144	7%
Southeastern	7	0	49	17	9	4	3	0	0	0	89	5%
Total	179	15	1,038	386	214	58	19	28	3	23	1,963	100%
Percent	9%	1%	53%	20%	11%	3%	1%	1%	0%	1%	100%	

Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-18: Employees by Age and College: 2005

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total	% of Total
Northeast	1	35	20	20	60	235	107	1	479	4%
North Iowa Area	0	1	8	20	48	161	94	0	332	3%
Iowa Lakes	10	45	28	34	78	232	144	8	579	5%
Northwest	0	4	11	16	37	96	52	4	220	2%
Iowa Central	3	144	68	46	115	254	159	23	812	7%
Iowa Valley	2	24	42	35	89	231	110	1	534	4%
Hawkeye	0	10	26	42	104	246	155	0	583	5%
Eastern Iowa	1	13	41	78	195	544	290	1	1,163	9%
Kirkwood	9	219	123	122	406	945	433	21	2,278	19%
Des Moines Area	1	168	127	119	327	837	526	0	2,105	17%
Western Iowa Tech	0	21	29	53	156	335	168	12	774	6%
Iowa Western	9	203	68	70	167	306	118	0	941	8%
Southwestern	0	10	17	21	48	107	58	0	261	2%
Indian Hills	2	184	52	49	134	334	119	0	874	7%
Southeastern	0	0	19	10	60	187	86	1	363	3%
Total	38	1,081	679	735	2,024	5,050	2,619	72	12,298	100%
% of Total	0%	9%	6%	6%	16%	41%	21%	1%	100%	

NOTE: "No response" includes individuals who chose not to be identified and colleges who did not respond.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-19: Employees by Age and College: 2006

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total	% of Total
Northeast	0	40	42	36	113	347	170	3	751	6%
North Iowa Area	0	1	7	16	40	143	98	0	305	3%
Iowa Lakes	1	17	27	26	72	233	143	8	527	4%
Northwest	1	2	8	16	37	91	48	4	207	2%
Iowa Central	2	147	54	48	119	249	158	0	777	7%
Iowa Valley	2	30	28	28	92	225	114	0	519	4%
Hawkeye	0	6	26	47	129	293	185	0	686	6%
Eastern Iowa	4	10	34	60	149	478	278	0	1,013	9%
Kirkwood	4	57	75	95	306	764	361	6	1,668	14%
Des Moines Area	8	161	128	137	370	838	580	0	2,222	19%
Western Iowa Tech	0	7	13	46	132	334	181	3	716	6%
Iowa Western	8	225	70	77	162	321	131	0	994	8%
Southwestern	1	6	19	13	52	115	62	0	268	2%
Indian Hills	1	173	36	46	124	320	116	0	816	7%
Southeastern	0	2	17	23	71	187	98	0	398	3%
Total	32	884	584	714	1,968	4,938	2,723	24	11,867	100%
% of Total	0%	7%	5%	6%	17%	42%	23%	0%	100%	

NOTE: "No response" includes individuals who chose not to be identified and colleges who did not respond.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-20: Employees by Age and College: 2007

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total	% of Total
Northeast	1	38	31	36	100	340	173	4	723	6%
North Iowa Area	0	2	3	22	58	162	104	0	351	3%
Iowa Lakes	1	12	22	32	75	216	151	9	518	4%
Northwest	0	5	13	18	48	118	61	0	263	2%
Iowa Central	5	159	71	61	113	256	165	4	834	7%
Iowa Valley	1	39	40	29	93	229	113	1	545	5%
Hawkeye	0	7	23	49	132	269	184	0	664	5%
Eastern Iowa	1	13	26	58	138	467	294	0	997	8%
Kirkwood	8	58	66	110	298	732	385	1	1,658	14%
Des Moines Area	6	177	114	158	389	827	639	0	2,310	19%
Western Iowa Tech	0	4	16	34	115	280	166	0	615	5%
Iowa Western	6	264	72	76	158	322	172	0	1,070	9%
Southwestern	0	9	14	28	58	118	68	0	295	2%
Indian Hills	1	183	39	39	106	315	141	0	824	7%
Southeastern	0	3	9	24	72	220	115	0	443	4%
Total	30	973	559	774	1,953	4,871	2,931	19	12,110	100%
% of Total	0%	8%	5%	6%	16%	40%	24%	0%	100%	

NOTE: "No response" includes individuals who chose not to be identified and colleges who did not respond.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-21: Employees by Age and College: 2008

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total	% of Total
Northeast	4	95	41	43	113	332	203	0	831	7%
North Iowa Area	3	8	15	28	63	156	112	0	385	3%
Iowa Lakes	1	41	31	32	95	245	197	12	654	5%
Northwest	0	6	10	17	53	104	68	0	258	2%
Iowa Central	5	168	67	82	127	265	165	0	879	7%
Iowa Valley	3	30	48	54	123	291	174	15	738	6%
Hawkeye	0	9	30	32	123	241	176	0	611	5%
Eastern Iowa	0	11	22	49	143	434	305	0	964	8%
Kirkwood	4	42	62	103	323	716	448	9	1,707	13%
Des Moines Area	5	94	103	149	351	816	642	0	2,160	17%
Western Iowa Tech	1	20	31	39	145	298	215	8	757	6%
Iowa Western	6	331	78	73	152	307	176	0	1,123	9%
Southwestern	0	11	15	16	57	109	73	0	281	2%
Indian Hills	2	218	51	36	102	304	153	0	866	7%
Southeastern	0	5	12	33	83	212	117	0	462	4%
Total	34	1,089	616	786	2,053	4,830	3,224	44	12,676	100%
% of Total	0%	9%	5%	6%	16%	38%	25%	0%	100%	

NOTE: "No response" includes individuals who chose not to be identified and colleges who did not respond.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-22: Employees by Age and College: 2009

College	17 & Under	18-22	23-26	27-30	31-39	40-55	Over 55	No Response	Total	% of Total
Northeast	0	26	23	32	90	298	212	0	681	5%
North Iowa Area	3	27	28	33	92	245	160	0	588	5%
Iowa Lakes	3	53	31	31	92	230	199	22	661	5%
Northwest	0	2	11	16	50	106	75	0	260	2%
Iowa Central	3	135	80	78	150	271	172	2	891	7%
Iowa Valley	1	43	47	52	107	285	190	5	730	6%
Hawkeye	0	1	15	39	117	224	185	0	581	5%
Eastern Iowa	0	10	25	41	143	409	308	0	936	7%
Kirkwood	39	93	71	106	307	715	475	12	1,818	14%
Des Moines Area	8	77	84	153	358	824	657	0	2,161	17%
Western Iowa Tech	1	21	22	37	130	271	201	3	686	5%
Iowa Western	3	284	94	73	155	292	194	0	1,095	9%
Southwestern	0	8	18	18	57	110	72	0	283	2%
Indian Hills	0	193	46	40	108	281	179	0	847	7%
Southeastern	0	4	10	36	78	223	141	0	492	4%
Total	61	977	605	785	2,034	4,784	3,420	44	12,710	100%
% of Total	0%	8%	5%	6%	16%	38%	27%	0%	100%	

Note: "No response" includes individuals who chose not to be identified and colleges who did not respond. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-23: Employees by Race/Ethnicity and College: 2005

College	American Indian	Asian	Black	Hispanic	White	No Response	Total	% of Total
Northeast	0	1	1	3	385	89	479	4%
North Iowa Area	0	0	1	1	330	0	332	3%
Iowa Lakes	0	0	2	0	520	57	579	5%
Northwest	0	1	0	0	218	1	220	2%
Iowa Central	2	8	17	13	701	71	812	7%
Iowa Valley	2	7	5	18	485	17	534	4%
Hawkeye	1	5	22	7	535	13	583	5%
Eastern Iowa	7	12	52	24	1,065	3	1,163	9%
Kirkwood	8	23	35	25	1,850	337	2,278	19%
Des Moines Area	4	51	59	31	1,830	130	2,105	17%
Western Iowa Tech	1	11	6	18	669	69	774	6%
Iowa Western	2	8	22	7	613	289	941	8%
Southwestern	0	0	1	1	259	0	261	2%
Indian Hills	0	13	13	12	834	2	874	7%
Southeastern	0	2	4	1	284	72	363	3%
Total	27	142	240	161	10,578	1,150	12,298	100%
% of Total	0%	1%	2%	1%	86%	9%	100%	

NOTE: "No response" includes individuals who chose not to be identified and colleges who did not respond.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-24: Employees by Race/Ethnicity and College: 2006

College	American Indian	Asian	Black	Hispanic	White	No Response	Total	% of Total
Northeast	0	2	6	6	736	1	751	6%
North Iowa Area	0	0	1	0	299	5	305	3%
Iowa Lakes	1	2	1	1	485	37	527	4%
Northwest	0	1	0	0	205	1	207	2%
Iowa Central	1	10	10	17	735	4	777	7%
Iowa Valley	2	6	4	22	483	2	519	4%
Hawkeye	3	8	29	5	623	18	686	6%
Eastern Iowa	7	11	45	28	918	4	1,013	9%
Kirkwood	5	17	26	27	1,427	166	1,668	14%
Des Moines Area	6	52	79	33	1,929	123	2,222	19%
Western Iowa Tech	1	9	5	13	630	58	716	6%
Iowa Western	2	12	29	8	591	352	994	8%
Southwestern	0	0	0	1	267	0	268	2%
Indian Hills	0	5	8	25	776	2	816	7%
Southeastern	0	1	5	3	342	47	398	3%
Total	28	136	248	189	10,446	820	11,867	100%
% of Total	0%	1%	2%	2%	88%	7%	100%	

NOTE: "No response" includes individuals who chose not to be identified and colleges who did not respond.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-25: Employees by Race/Ethnicity and College: 2007

College	American Indian	Asian	Black	Hispanic	White	No Response	Total	% of Total
Northeast	0	0	4	2	712	5	723	6%
North Iowa Area	0	1	0	0	339	11	351	3%
Iowa Lakes	1	1	1	2	475	38	518	4%
Northwest	0	1	1	1	258	2	263	2%
Iowa Central	2	12	19	15	779	7	834	7%
Iowa Valley	5	12	4	21	493	10	545	5%
Hawkeye	2	6	34	7	606	9	664	5%
Eastern Iowa	6	13	44	30	900	4	997	8%
Kirkwood	5	19	34	24	1,452	124	1,658	14%
Des Moines Area	5	61	83	42	1,997	122	2,310	19%
Western Iowa Tech	3	10	3	14	518	67	615	5%
Iowa Western	1	14	27	15	625	388	1,070	9%
Southwestern	0	1	3	3	288	0	295	2%
Indian Hills	0	2	7	23	791	1	824	7%
Southeastern	9	1	10	5	414	4	443	4%
Total	39	154	274	204	10,647	792	12,110	100%
% of Total	0%	1%	2%	2%	88%	7%	100%	

NOTE: "No response" includes individuals who chose not to be identified and colleges who did not respond.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-26: Employees by Race/Ethnicity and College: 2008

College	American Indian	Asian	Black	Hispanic	White	No Response	Total	% of Total
Northeast	0	1	6	3	781	40	831	7%
North Iowa Area	0	0	3	4	343	35	385	3%
Iowa Lakes	1	0	1	3	599	50	654	5%
Northwest	0	2	1	2	252	1	258	2%
Iowa Central	1	12	29	14	812	11	879	7%
Iowa Valley	3	7	11	25	650	42	738	6%
Hawkeye	2	4	31	7	565	2	611	5%
Eastern Iowa	4	13	42	28	874	3	964	8%
Kirkwood	4	16	19	22	1,433	213	1,707	13%
Des Moines Area	4	57	70	35	1,879	115	2,160	17%
Western Iowa Tech	3	11	3	20	615	105	757	6%
Iowa Western	3	13	34	9	689	375	1,123	9%
Southwestern	0	1	1	2	277	0	281	2%
Indian Hills	0	3	10	24	826	3	866	7%
Southeastern	6	1	10	6	438	1	462	4%
Total	31	141	271	204	11,033	996	12,676	100%
% of Total	0%	1%	2%	2%	87%	8%	100%	

NOTE: "No response" includes individuals who chose not to be identified and colleges who did not respond.
SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-27: Employees by Race/Ethnicity and College: 2009

College	American Indian	Asian	Black	Hispanic	White	No Response	Total	% of Total
Northeast	1	0	1	2	617	60	681	5%
North Iowa Area	0	0	8	3	506	70	588	5%
Iowa Lakes	1	3	1	3	580	73	661	5%
Northwest	0	2	1	2	250	5	260	2%
Iowa Central	3	15	41	16	774	42	891	7%
Iowa Valley	4	4	9	30	643	40	730	6%
Hawkeye	1	5	30	6	533	6	581	5%
Eastern Iowa	5	17	34	28	848	4	936	7%
Kirkwood	5	17	59	27	1,438	272	1,818	14%
Des Moines Area	7	59	65	37	1,893	100	2,161	17%
Western Iowa Tech	2	10	2	13	530	129	686	5%
Iowa Western	1	18	36	13	708	319	1,095	9%
Southwestern	0	0	0	3	280	0	283	2%
Indian Hills	0	4	6	23	812	2	847	7%
Southeastern	6	0	11	9	464	2	492	4%
Total	36	154	304	215	10,876	1,124	12,710	100%
% of Total	0%	1%	2%	2%	86%	9%	100%	

Note: "No response" includes individuals who chose not to be identified and colleges who did not respond. Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

Table 16-28: Employees by Gender and College: 2005—2009

College	2005		2006		2007		2008		2009	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Northeast	129	350	212	539	190	533	232	599	177	504
North Iowa Area	160	172	149	156	172	179	158	227	274	314
Iowa Lakes	187	373	170	339	170	329	224	402	210	420
Northwest	92	128	85	122	106	157	110	148	101	158
Iowa Central	370	442	379	398	418	416	433	446	446	445
Iowa Valley	198	336	194	325	204	341	294	444	290	440
Hawkeye	253	326	292	393	286	378	235	376	233	348
Eastern Iowa	464	699	382	631	361	636	347	617	348	588
Kirkwood	968	1,310	670	998	661	995	675	1,002	733	1,032
Des Moines Area	972	1,133	1,028	1,194	1,041	1,269	974	1,186	971	1,190
Western Iowa Tech	306	464	305	411	260	355	311	446	281	405
Iowa Western	374	567	396	598	437	633	436	687	448	647
Southwestern	105	156	111	157	123	172	114	167	104	179
Indian Hills	350	521	316	500	327	497	342	524	331	516
Southeastern	132	231	150	248	158	285	166	296	169	323
Total	5,060	7,208	4,839	7,009	4,914	7,175	5,051	7,567	5,116	7,509

Note: Each "I" denotes 100 employees. Unknowns were not included in the table. Unknowns in fiscal year 2005, 30 (0.24%); fiscal year 2006, 19 (0.16%); fiscal year 2007, 21 (0.17%); fiscal year 2008, 85 (0.9%); fiscal year 2009, 85 (0.7%) Source: Iowa Department of Education, Bureau of Community College Services, Community College MIS.

17

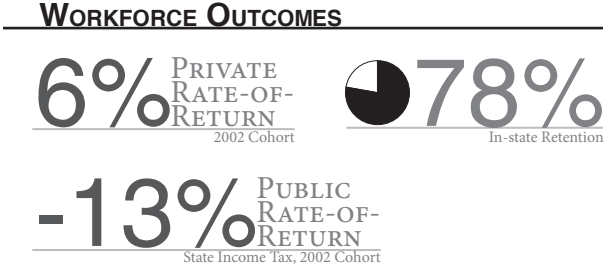
SPECIAL SUPPLEMENT: WORKFORCE OUTCOMES

Each year, the supplemental section will provide in-depth analysis from the Community College MIS or other data sources on a particular topic. The topic will change every year based on data availability and questions presented to the Iowa Department of Education. Some of the items may appear regularly in later editions of the report, but most of the analysis will only appear in the supplement.



The Iowa Department of Education (IDE) and Iowa Workforce Development (IWD) collaborated to match community college data with Unemployment Insurance (UI) records. The match permits both agencies to track workforce outcomes of former Iowa community college students. This special supplement reviews various measures on community colleges impact on individual students and the state.

Generally, educated workers enjoy a lower unemployment rate and higher earnings. For instance, during the recent 2007-2008 recession, Bachelor's degree holders had a 2.8 percent unemployment rate compared to 5.7 percent for those with a high school diploma. Those with an Associate's degree had a 2.7

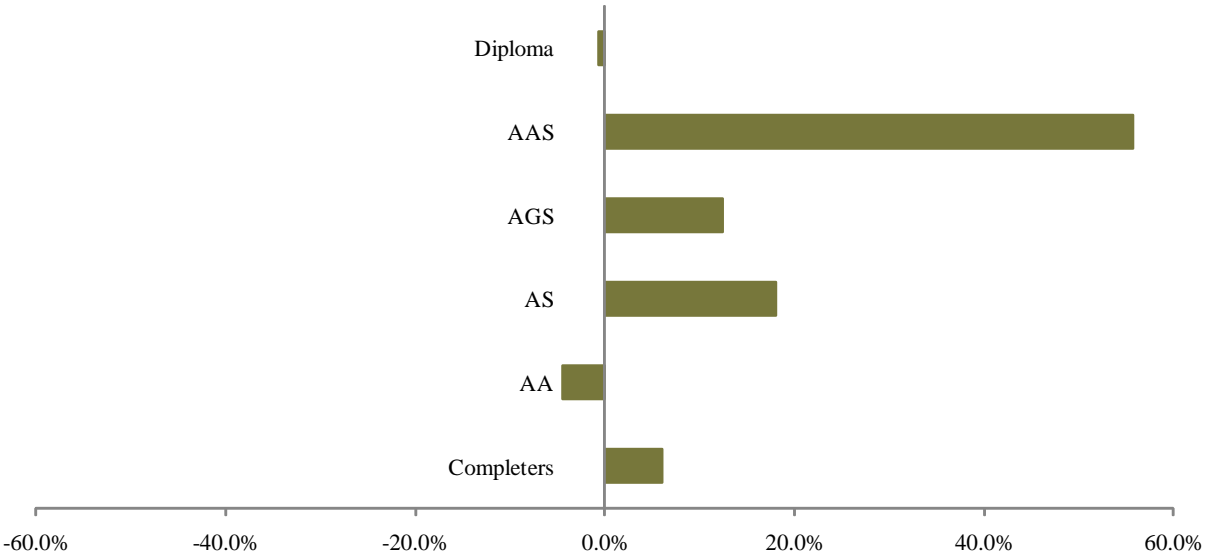


percent unemployment rate (Bureau of Labor Services, 2009).

Data has also continually indicated that educated workers earn substantially more. Bureau of Labor Services (2008) shows the median weekly earnings for Associate's degree recipients was \$757 (roughly \$39,364) while high school graduates earned \$618 per week (\$32,136). Section 12 of this report shows the median earnings for degree recipients was \$23,594 with Associate of Applied Science (AAS) recipients earning substantially more (Figure 12-5).

Of course, higher education also requires time, tuition costs, and students must delay entry into the workforce. After adjusting for inflation, students spent an average

Figure 17-1: Private Returns to Degree: 2002 Cohort



NOTE: AAA and Certificate is not shown because a solution did not converge. See Schenk & Matsuyama (2009).
SOURCE: Iowa Department of Education, Bureau of Community College Services and Iowa Workforce Development, Regional Research and Analysis Bureau. Table 17-1.

of \$1,600.56 on tuition in 2002. Does it pay off? That is, what is the rate of return to a community college degree?

IDE and IWD followed cohorts from 2002 and 2006 into Iowa's workforce through 2008. The agencies compared students who left community college early (leavers) versus those who completed a community college degree (completers). Both agencies also considered the tuition costs, opportunity, and time costs related to completing a degree. Specific details of the study are available in Schenk & Matsuyama (2009) and Iowa Department of Education & Iowa Workforce Development (2010).

Students who completed a degree in 2002 had a six percent private rate of return compared to a student who left early. That is, each dollar invested into completing a degree returned an additional six cents. Completing a community college degree garners higher wages which both compensates students for their costs and provides an *additional* economic return.

These estimates are comparable to literally hundreds of studies that measured the rate-of-return to education. National studies estimate the private rate-of-return for completing an Associate's degree compared to leaving was between six and 14 percent (Leigh & Gill, 1997 and Kane & Rouse, 1995, 1999). Iowa's rate of return is at the lower end of the national estimates. Note, however, that those studies look at a 10- to 15-year after graduation while this section only covers a six year period.

Wages & Private Returns by Degree Type

Each degree has a specific intent and may have a different result in the workforce. The Associate of Arts (AA) is the largest award granted by community colleges (Figure 6-6). The AA is intended to articulate to a four-year university for a completion of a Bachelor's degree. Yet, many AA recipients do not transfer and end up in the workforce. The second largest award is the AAS which is meant to lead directly to the workforce. Diploma and certificate's are one-year or shorter programs.

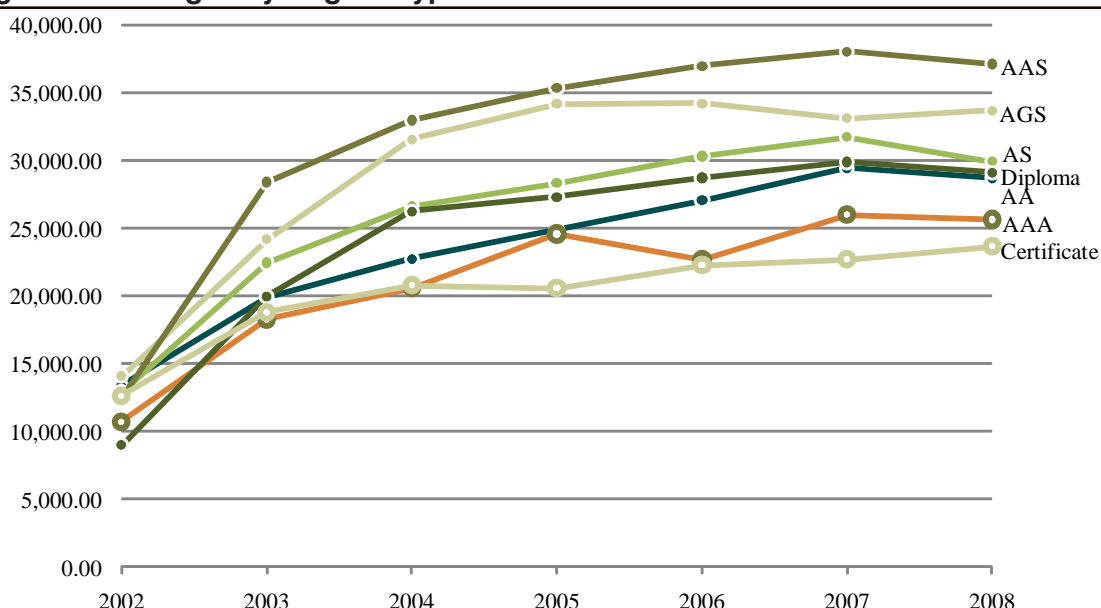
Figure 17-2 shows the median wages for each degree recipient and for all leavers from 2002. The AAS is the most lucrative award, which is expected since AAS is meant for employment in a technical area after graduation. AA recipients only shows those who did not transfer to a four-year institution.

Using the same principals from the text above, IDE and IWD calculated the private rate of return for each degree after incorporating tuition, opportunity, and time costs. The private rate of return was 55.7 percent for AAS recipients, 18.1 percent for AS, 12.4 percent for AGS, -0.7 percent for Diploma recipients and -4.4 for AA recipients (Figure 17-1).

Over the six-year period, completing an AAS was worth an additional \$41,962 beyond the costs of obtaining the degree. AS recipients gain an additional \$9,343 and AGS recipients earn an additional \$24,966.

AA recipients, however, lose four cents for each dollar they invest. The AA is intended for transfer and these results exclude anyone who was still in higher education. Thus, AA recipients who do not transfer do not recoup

Figure 17-2: Wages by Degree Type: 2002 - 2008



SOURCE: Iowa Department of Education, Bureau of Community College Services and Iowa Workforce Development, Regional Research and Analysis Bureau. Table 17-2.

their expenses by the sixth year. In sum, AA recipients that do not transfer lose \$9,286 over six years.

Similarly, Associates of Applied Arts (AAA) and Certificate recipients also have a negative rate of return. AAA and Certificate recipients do not earn as much as those who leave community college early. Thus, they have not gained any economic advantage, on average, by completing their degree.

The private rate of return by degree is comparable to the patterns of national studies. In particular, Grubb (1993) also shows that AA degrees and Certificates provide minimal economic return without also obtaining a Bachelor's degree. In addition, national data also shows career-oriented two-year degrees, such as the AAS, do provide an economic advantage.

Wages & Private Returns by Career Cluster

Wages also vary considerably by program area (e.g., major). Certain majors are associated with higher wages due to labor demand in specific segments of the workforce. Unlike the studies mentioned above, IDE

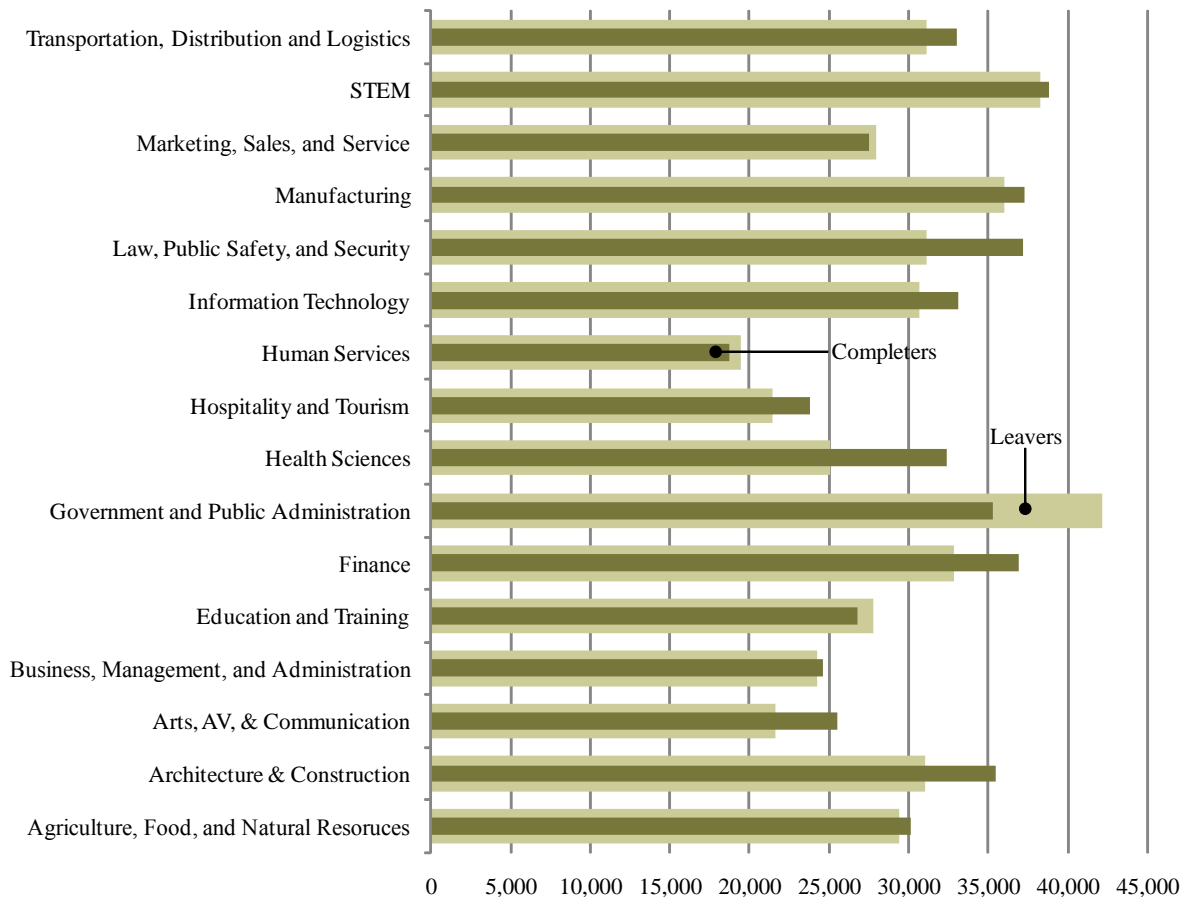
and IWD are able to calculate the rate of return for each career cluster. IDE uses career clusters to group similar programs.

Figure 17-3 shows the median earnings for completers and leavers in each career cluster. The programs with the highest return were: law, public safety, corrections, and security (53 percent); science, technology, engineering, and mathematics (STEM) (49 percent); and finance (46 percent). Manufacturing (38 percent), health science (33 percent), and architecture and construction (30.8 percent) programs also had significant positive rates of return to the students.

Meanwhile, government; arts, A/V Technology, and communication; business; education; hospitality; and human services majors have negative rates of return.

Law, public safety, corrections, and security program graduates earned an additional \$29,763 in income above the costs of obtaining an education. Health science is also important to highlight due to its size. Health science programs are the largest in Iowa community colleges—nearly three times the size of business programs (Figure 3-2), thus, its impact on Iowa is significant. Completing

Figure 17-3: Wages by Career Cluster: 2008



SOURCE: Iowa Department of Education, Bureau of Community Colleges and Iowa Workforce Development, Regional Research and Analysis Bureau. Table 17-3.

a health degree is worth an additional \$21,860.

Public Rate of Return

Higher personal earnings will also lead to higher tax revenues for federal and state government. IDE and IWD inputted earnings data through an economic model to estimate additional tax revenues from community college recipients. Similar to individual students, the state also incurs a cost to support students. In 2002, the state spent \$1,530.06 per student after adjusting for inflation to 2008 levels. In return, educated students earn more and, thus, pay more in nominal income taxes. This concept is referred to the public rate of return instead.

The analysis indicates that many community college students do not earn enough to be taxed until a couple of years after graduation. That is, students have not paid enough in income taxes to recoup the original investment. Consequently, the public rate of return was -13.2 percent. However, it is plausible that the investment will be recouped in four to nine more years when the returns to education stabilize.

The public rate of return shown here does not include federal taxes or state sales tax, but is limited to state income taxes. In addition, the rate of return analysis excludes other social returns, such as lowering incidence of crime and improved health. Thus, the true public rate of return may still be underestimated.

Transitions into the Workforce

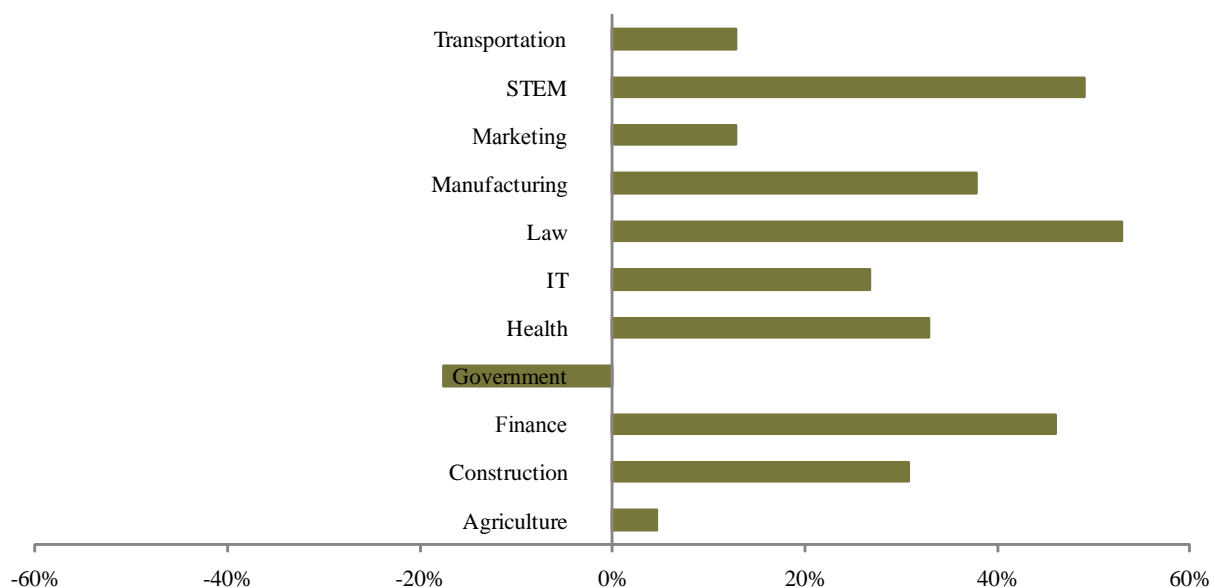
Students often choose a major based on the desired occupation. Are students graduating from community colleges obtaining employment in related fields? Unfortunately, neither IDE nor IWD knows the occupation of employment of former students. UI records do provide, however, the industry of employment which can provide an indication of successful employment.

Using a cohort of community college graduates and leavers from 2006, IDE and IWD tracked students employed by various industrial sectors. The sector describes the function of the business, such as manufacturing or retail, which gives a general idea on the nature of employment for former students.

Figure 17-5 illustrates the transition from career clusters to industry of primary employment (see Iowa Department of Education & Iowa Workforce Development, 2010). The left side of the diagram shows the sixteen career clusters and college parallel programs which are designed to articulate to a four-year institution. The right side shows the 20 industrial sectors. The width of the bars that form the circle shows the relative size of the program. College parallel, for instance, supplied the largest amount of labor with over 9,800 majors while education is one of the smallest with 100. The manufacturing industrial sector employed over 3,200 community college alumni while the health care and social assistance industry employed over 4,500 alumni.

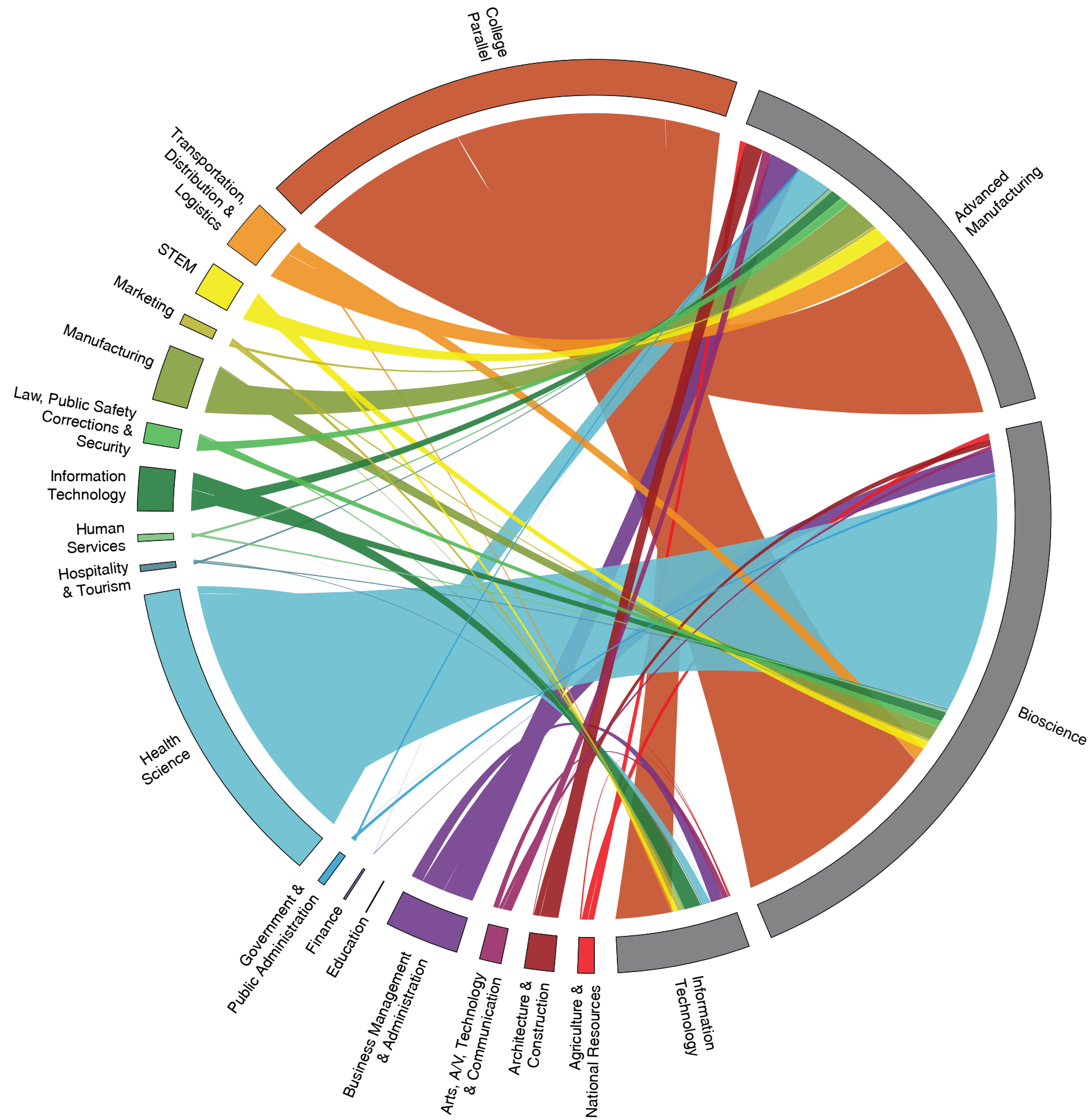
Both sides of the figure are connected by ribbons. The width of the ribbon shows the number of students

Figure 17-4: Rate of Return by Career Cluster: 2002 Cohort



NOTE: Arts, A/V, and Communications; Business, Management, and Administration; Education and Training; Hospitality; and Human Services is not shown because a solution did not converge. See Schenk & Matsuyama (2009). SOURCE: Iowa Department of Education, Bureau of Community College Services and Iowa Workforce Development, Regional Research and Analysis Bureau. Table 17-4.

Figure 17-6: Transition from Career Clusters into Targeted Industrial Sectors: 2006 Cohort



SOURCE: Iowa Department of Education, Bureau of Community College Services and Iowa Workforce Development, Regional Research and Analysis Bureau, Table 17-6

from each cluster working in a specific sector. College parallel students provide half of the labor supply in each industrial sector.

Manufacturing, which is Iowa's largest sector and comprises 21 percent of Iowa's gross domestic product (GDP), employed over 3,200 from the 2006 cohort, half of which are former college parallel students. The manufacturing sector employs individuals from almost each career cluster—except education and training—including from community college manufacturing programs. Sixty-five (65%) percent of manufacturing participants are employed in the manufacturing sector within three years.

Meanwhile, there is a significant link between health majors and employment in the health industry. Almost 60 percent of health science majors work in the health care and social assistance industry after leaving a community college.

Iowa has a select few “targeted” industries. The Iowa Department of Economic Development has identified bioscience; advanced manufacturing (which includes alternative energy); and information solutions as “targeted clusters.” These clusters were established through the “Batelle studies” in 1992 and 1999 (Iowa Workforce Development, 2009; Iowa Department of Economic Development, 2009a, 2009b, 2009c).

Figure 17-6 shows the transition from career clusters to one of the three targeted industry clusters. A total of 4,787 students from the 2006 cohort were employed in a target industry cluster. Over 53 percent of those students were employed in the bioscience cluster, 35.7 percent in advanced manufacturing, and 11.2 percent in information technology.

College parallel students supplied 41.3 percent of the labor coming from community college into targeted clusters. Health science majors supplied 42.6 percent of the labor in the biosciences.

Advanced manufacturing and information solutions was mostly supplied by college parallel students and evenly by other majors. Nine percent (9%) of students going into an advanced manufacturing industry cluster came from the manufacturing career cluster. Business, management, and administration; health science, and transportation, distribution, and logistics majors supplied approximately the same proportion. Fourteen (14%) percent of students from information technology programs were employed in the information solutions industry—the second largest program to supply workers.

Five-Year In-State Retention Rate

Community colleges, like other institutions of higher education, typically conduct follow-up surveys of graduates to determine if alumni remain in the state. Iowa loses a significant proportion of their educated

population. More freshmen come into the state than leave for higher education, which makes Iowa a net importer of college freshmen. In 2006, a net of nearly 5,000 freshmen came into Iowa (Greiner & Girardi, 2006; Mortensen, 2008a).

Yet, Iowa is a net exporter of college-educated workers (Lombardi, 2008). Between 1989 and 2007, Iowa has lost 178,000 students with a Bachelor's degree (Mortenson, 2008b). Meanwhile, the Chicago metropolitan area is one of the countries' largest net importer of college educated workers, which has likely been a contributing factor to Iowa's “brain drain.”

Community colleges typically survey alumni one- and five-years after graduation. However, as students move and relocate, the surveys become unreliable by the fifth year. IDE and IWD used wage records and the National Student Clearinghouse to estimate the proportion of students who remain in Iowa five years after graduation.

Figure 17-7 shows the distribution of alumni who graduated in 2001. Of 11,222 graduates, 78.2 percent of alumni remained in the state by 2006. Most—68.9 percent of the total—were working in the state. A little over nine percent of the alumni were attending a college or university in Iowa.

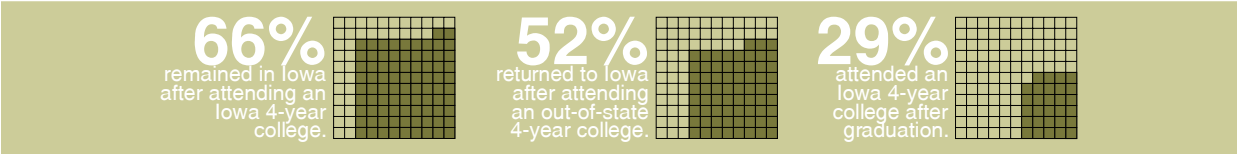
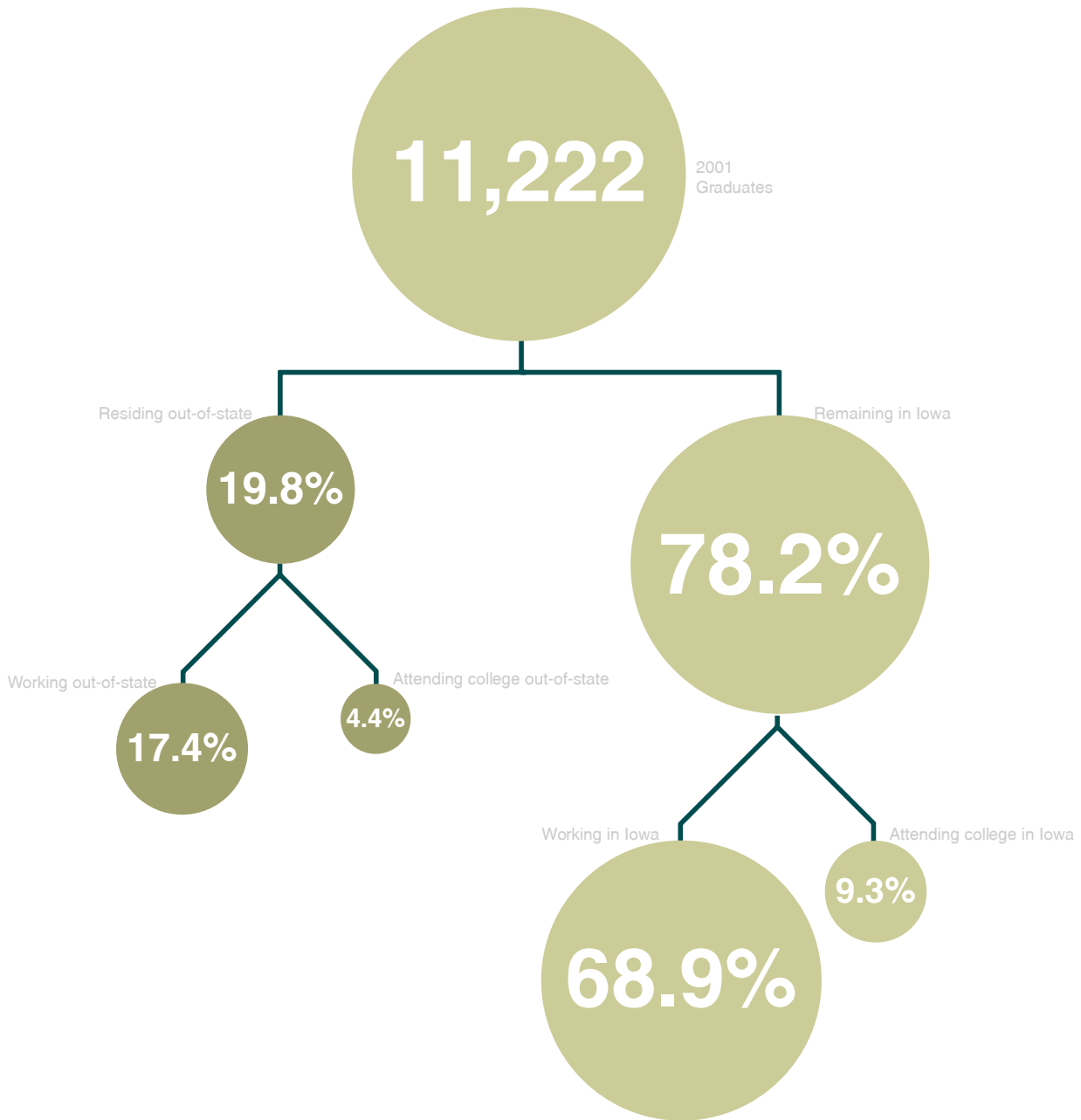
Almost 20 percent of alumni were out-of-state. Seventeen percent (17%) were working in another state and 4.4 percent were attending an out-of-state college. Alumni were likely to remain in the state whether or not they transferred to an out-of-state college. Fifty-two (52%) percent of alumni returned to Iowa after attending an out-of-state college. Meanwhile, 66 percent of students remained in Iowa after transferring to a Iowa college. Twenty-nine percent (29%) of community college graduates transferred to an Iowa university.

By contrast, the Iowa Board of Regents commissioned a study which found 53 percent of graduates were employed in-state a year after graduation. Unfortunately, the analysis did not have a five-year retention rate nor sought those attending other colleges. It is also notable that a significant proportion of students at public universities are out-of-state or international residents.

So while Iowa's brain drain is significant, community colleges show a strong in-state retention rate after five years. There is also a considerable “yo-yo” effect as alumni return to the state even after transferring to an out-of-state university.

There are some shortcomings to the method employed here. Namely, Iowa's UI records do not include federal employee, members of the armed forces, the self-employed, proprietors, unpaid family workers, church employees, and railroad workers covered by the railroad unemployment insurance system, as well as students employed in a college or university as part of a financial aid package. Individuals solely working in these areas would be incorrectly categorized.

Figure 17-7: In-state Retention Rate Five Years After Graduation: 2001 Cohort



SOURCE: Iowa Department of Education, Bureau of Community College Services and Iowa Workforce Development, Regional Research and Analysis Bureau. Iowa Department of Education and Iowa Workforce Development (2010).

Table 17-1: Private Rate of Return by Degree Type: 2002 Cohort

Completion / Degree	Net Present Value	Internal Rate of Return
AA	-\$9,286	-4.4%
AS	9,343	18.1%
AGS	24,966	12.4%
AAA	-26,986	NA
AAS	41,962	55.7%
Diploma	-3,169	-0.7%
Certificate	-33,249	NA
Completers	\$1,994	6.0%

NOTE: Each "I" in the second column denotes \$1,000. In the last column, each "I" denotes one percent.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and Iowa Workforce Development, Regional Research and Analysis Bureau. Iowa Department of Education and Iowa Workforce Development (2010).

Table 17-2: Wages by Degree Type: 2002 Cohort

Completion / Degree	Median Wages						
	2002	2003	2004	2005	2006	2007	2008
Leavers	\$14,762.93	\$21,621.20	\$24,373.32	\$25,859.47	\$27,469.05	\$28,680.69	\$27,674.79
Completers	12,223.73	20,801.54	24,696.88	27,140.48	29,126.06	30,554.49	29,591.87
AA	13,399.14	19,910.76	22,752.47	24,852.72	27,054.91	29,420.72	28,712.73
AS	12,938.61	22,469.24	26,593.80	28,325.04	30,320.24	31,725.65	29,922.71
AGS	14,089.16	24,197.09	31,553.75	34,151.34	34,214.02	33,105.44	33,681.25
AAA	10,752.22	18,264.41	20,586.75	24,573.26	22,671.36	25,995.08	25,650.14
AAS	12,432.91	28,392.90	32,961.85	35,324.68	36,965.78	38,030.62	37,120.56
Diploma	9,004.27	19,969.01	26,246.94	27,306.67	28,734.45	29,873.41	29,110.69
Certificate	12,638.55	18,812.02	20,807.91	20,570.19	22,284.21	22,690.79	23,651.30

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and Iowa Workforce Development, Regional Research and Analysis Bureau. Iowa Department of Education and Iowa Workforce Development (2010).

Table 17-3: Wages by Career Cluster and Completion Status: 2002 Cohort

Career Cluster	Completion / Degree	Median Wages						
		2002	2003	2004	2005	2006	2007	2008
Agriculture	Leavers	\$11,970.33	\$19,148.97	\$25,326.63	\$25,904.04	\$28,131.21	\$29,939.14	\$29,412.88
	Completers	11,138.84	21,844.14	25,320.58	27,384.68	29,498.46	32,142.47	30,093.64
Construction	Leavers	13,084.88	22,688.12	27,266.03	29,293.95	32,774.78	33,458.40	31,067.78
	Completers	10,257.54	23,445.82	28,608.37	31,868.98	34,304.02	36,632.63	35,438.79
Arts/Comm	Leavers	8,791.30	14,407.21	16,999.86	18,201.74	19,603.51	21,129.71	21,592.32
	Completers	11,816.80	17,963.81	21,991.72	25,589.67	25,685.12	26,304.70	25,564.13
Business	Leavers	14,072.10	19,772.33	22,038.22	22,852.33	24,564.53	25,223.18	24,265.94
	Completers	12,071.21	19,444.85	21,954.85	23,455.63	23,984.46	24,952.59	24,588.73
Education	Leavers	15,097.29	21,671.98	24,212.19	25,760.62	27,622.02	28,747.36	27,777.43
	Completers	13,062.15	16,648.49	19,145.58	22,875.78	25,632.36	27,633.56	26,753.34
Finance	Leavers	23,045.22	31,504.13	32,102.41	32,440.00	32,941.53	33,225.91	32,816.85
	Completers	23,683.26	29,403.89	35,493.77	30,764.19	32,921.17	32,491.83	36,963.35
Government	Leavers	41,392.79	40,247.55	47,414.12	46,825.37	50,145.84	39,362.20	42,188.25
	Completers	4,104.07	20,686.36	23,940.38	25,026.30	30,304.92	19,964.89	35,309.57
Health	Leavers	15,089.99	21,756.52	23,489.34	24,671.02	25,256.12	25,926.48	25,042.74
	Completers	11,805.42	25,871.93	31,362.92	31,827.43	33,786.01	33,346.19	32,368.56
Hospitality	Leavers	11,212.81	16,266.47	18,066.74	20,234.25	22,255.70	22,002.82	21,435.01
	Completers	15,348.51	18,034.29	22,921.99	22,488.60	22,530.24	25,571.53	23,789.32
Human Services	Leavers	12,782.84	16,355.40	17,766.58	18,562.05	19,096.69	20,392.00	19,472.34
	Completers	9,404.03	14,061.14	15,125.26	18,211.23	18,738.75	20,058.85	18,784.46
IT	Leavers	17,933.46	27,182.73	29,737.05	31,506.56	33,104.76	34,536.14	30,677.06
	Completers	13,244.49	22,347.63	28,091.40	30,984.40	33,203.15	35,123.86	33,124.18
Law	Leavers	14,984.93	21,193.16	24,683.30	27,056.30	29,516.42	31,500.95	31,097.14
	Completers	15,238.98	24,309.03	29,982.08	32,799.54	36,963.07	38,463.23	37,233.73
Manufacturing	Leavers	13,594.97	25,225.51	29,973.43	33,584.65	35,539.33	36,096.65	36,013.22
	Completers	12,228.98	24,792.73	32,267.68	35,128.81	37,301.96	38,092.00	37,286.93
Marketing	Leavers	14,654.37	21,049.99	24,375.99	26,895.59	28,535.68	28,588.23	27,971.97
	Completers	17,985.65	23,818.71	26,248.55	29,475.08	29,874.48	30,226.71	27,549.00
STEM	Leavers	14,971.15	29,148.92	34,029.11	37,064.33	39,009.25	39,870.61	38,318.38
	Completers	11,258.47	27,577.71	33,422.32	37,491.21	39,039.81	40,781.55	38,801.78
Transportation	Leavers	11,736.23	20,417.96	25,681.09	26,987.09	28,949.04	31,336.00	31,117.24
	Completers	12,074.27	21,547.93	25,422.20	28,827.26	31,367.96	32,739.77	32,986.50

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and Iowa Workforce Development, Regional Research and Analysis Bureau. Iowa Department of Education and Iowa Workforce Development (2010).

Table 17-4: Private Rate of Return by Career Cluster: 2002 Cohort

Career Cluster	Net Present Value	Internal Rate of Return
Agriculture, Food, and Natural Resources	-\$913	4.6%
Architecture & Construction	24,563	30.8%
Arts, AV, & Communication	-20,702	NA
Business, Management, and Administration	-23,407	NA
Education and Training	-22,168	NA
Finance	35,450	46.0%
Government and Public Administration	-13,315	-17.6%
Health Sciences	21,860	32.9%
Hospitality and Tourism	-33,237	NA
Human Services	-50,902	NA
Information Technology	22,391	26.7%
Law, Public Safety, and Security	29,763	53.0%
Manufacturing	35,364	37.8%
Marketing, Sales, and Service	4,883	12.9%
STEM	53,578	49.1%
Transportation, Distribution and Logistics	5,947	12.9%

NOTE: Each “|” in the second column denotes \$1,000. In the last column, each “|” denotes one percent.
 SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and Iowa Workforce Development, Regional Research and Analysis Bureau. Iowa Department of Education and Iowa Workforce Development (2010).

Table 17-5: Transition from Career Clusters into Industrial Sectors: 2006 Cohort

Career Cluster	Agriculture, Food, and Natural Resources	Architecture & Construction	Arts, AV, & Communication	Business, Management, and Administration	Education and Training	Finance	Government and Public Administration	Health Sciences	Hospitality and Tourism	Human Services	Information Technology	Law, Public Safety, and Security	Manufacturing	Marketing, Sales, and Service	STEM	Transportation, Distribution and Logistics	College Parallel	Total
Agriculture	26	9	1	9	0	0	0	9	1	1	3	5	7	0	2	11	59	143
Mining	0	3	0	5	0	0	0	1	0	0	0	0	2	0	0	12	14	37
Utilities	3	29	2	8	0	0	0	9	0	0	3	1	5	0	4	3	43	110
Construction	33	219	13	76	0	0	3	49	5	4	22	31	69	14	31	107	481	1,157
Manufacturing	65	150	61	248	0	5	19	301	18	22	122	77	292	24	105	260	1,454	3,223
Wholesale Trade	84	33	19	60	0	0	8	57	8	1	27	28	27	17	13	105	394	881
Retail Trade	65	58	65	246	3	1	20	222	27	44	73	57	23	59	20	190	1,285	2,458
Transportation & Warehousing	19	20	4	53	0	0	4	32	4	1	20	15	17	7	4	78	217	495
Information	10	4	31	64	1	2	2	43	5	2	60	8	2	20	4	10	291	559
Finance & Insurance	6	6	16	175	1	18	3	96	5	14	71	23	1	33	1	5	714	1,188
Real Estate	1	6	6	22	0	1	0	22	1	3	8	1	3	3	2	4	75	158
Professional, Scientific, & Technical Services	13	14	17	80	0	0	1	58	1	4	37	5	5	6	25	2	242	510
Administrative & Support	0	2	0	6	0	0	0	4	2	1	4	1	0	0	1	1	24	46
Educational Services	40	29	17	111	1	1	6	172	19	14	41	46	14	17	10	50	631	1,219
Health Care & Social Assistance	23	12	8	65	12	2	5	167	5	78	30	15	7	9	5	3	761	1,207
Arts, Entertainment, & Recreation	12	8	20	202	3	4	36	2,333	21	117	37	44	3	18	6	5	1,657	4,526
Accommodation & Food Services	15	1	4	18	0	0	1	35	11	2	5	8	1	6	3	2	122	234
Other Services	14	31	27	119	4	0	7	146	76	24	35	35	6	20	12	30	793	1,379
Public Administration	9	10	12	34	0	0	4	62	2	12	17	5	7	7	4	79	282	546
Total	438	644	323	1,601	25	34	119	3,818	211	344	615	405	491	260	252	957	9,539	20,076

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and Iowa Workforce Development, Regional Research and Analysis Bureau. Iowa Department of Education & Iowa Workforce Development (2010).

Table 17-6: Transition from Career Clusters into Targeted Industrial Clusters: 2006 Cohort

Targeted Cluster	Advanced Manufacturing	Bioscience	Information Technology	Agriculture, Food, & Natural Resources	Architecture & Construction	Arts, AV, & Communication	Business, Management, & Administration	Education & Training	Finance	Government & Public Administration	Health Sciences	Hospitality & Tourism	Human Services	Information Technology	Law, Public Safety, & Security	Manufacturing	Marketing, Sales, & Service	STEM	Transportation, Distribution & Logistics	College Parallel	NA	Total
	28	29	8	28	83	43	138	2	2	11	147	10	13	53	42	151	14	75	128	770	2	1,710
	29	30	4	29	30	17	105	1	4	15	1,083	8	11	46	31	67	10	40	63	952	29	2,541
	8	4	1	65	86	26	55	1	7	2	36	6	2	77	8	5	18	20	10	255	3	536
Total	65	117	86	298	1	7	28	1,266	24	26	176	81	223	42	135	201	1,977	34	4,787			

SOURCE: Iowa Department of Education, Bureau of Community College Services, Community College MIS and Iowa Workforce Development, Regional Research and Analysis Bureau. Iowa Department of Education & Iowa Workforce Development (2010).



GLOSSARY

For complete definitions of Community College Management Information System (MIS) data elements, see the Fiscal Year 2008 MIS Data Dictionary available on the Department's website: www.iowa.gov/educate.

Adult High School Diploma

A program of instruction designed for an 18 year old or older individual that culminates in a Community College Adult High School Diploma. Courses are set at a length of 60 contact hours per course, with a maximum of five courses per semester.

Alternative High School

An established environment within or apart from the regular high school with policies and rules, educational objectives, staff and resources designed to accommodate student needs, and to provide a comprehensive high school education consistent with the goals established by school districts in the area. Whether or not an individual student may choose to attend an alternative school may be limited by court order or by approval of the local school district. Community colleges may establish and operate alternative high schools for secondary school districts on a contractual basis. Students are not eligible for postsecondary State General Aid unless such students are taking courses above and beyond the defined programs for high school completion.

Apprentice

A person at least 16 years of age (except where an older minimum age standard is established by law) who enters into any contract of service registered with the appropriate apprentice agency. An apprentice receives instruction from his or her employer in an apprenticeship approved occupation.

Apprenticeship Program

A program registered with the Department of Labor or the state apprenticeship agency in accordance with the National Apprenticeship Act. An apprenticeship program is conducted or sponsored by an employer, a group of employers, or a joint apprenticeship committee representing both employers and labor, and contains all of the terms and conditions for the qualification, recruitment, selection, and training of apprentices. Related instruction courses are often part of the program.

Articulation

The process of mutually agreeing upon courses and programs earned at a sending institution for credit or advanced placement at a receiving institution. Often courses and programs are transferable either from secondary to postsecondary institutions or between postsecondary institutions.

Arts and Sciences

Credit courses contained in the two-year associate degrees transfer program (College Parallel/Liberal General Studies/College Transfer) and College Parallel/Career Option programs.

Arts and Sciences Courses

Credit courses in College Parallel/Liberal General Studies/College Transfer, which are transferable to four-year institutions for completion of a baccalaureate degree and those that are included in career/technical curriculums that are applicable for employment on completion of curriculum.

Associate in Applied Arts (AAA) & Associate in Applied Science (AAS) Degrees

The degree awarded for satisfying the curriculum requirements and demonstrated competence for employment in the occupational field for which the program was designed. Typically, these degrees apply to occupations requiring significant amounts of applied scientific and mathematical knowledge. These degrees require a minimum of 60 semester credit hours (90 quarter hours) in length with a minimum of 12 semester credit hours (18 quarter hours) of general education. Programs awarding these degrees shall not exceed 19 semester credit hours per term (28.5 quarter hours) and shall not exceed 86 semester credit hours (129 quarters hours) in length.

Associate in Arts (AA) & Associate in Science (AS) Degrees

The degrees awarded for satisfying the curriculum requirements of arts and science courses designed as college parallel programs transferable as the first two years of a baccalaureate degree. These programs are referred as college parallel/liberal general studies/college transfer. They include a minimum of 60 semester credit hours (90 quarter

hours) of credit courses designed and acceptable for transfer with the understanding that 16 semester hours (24 quarter hours) of career/technical courses could be included in the total.

Associate in General Studies Degree (AGS)

The degree awarded for satisfying the curriculum requirements of a two-year program other than set forth in Iowa Administrative Code 281—21.2(10) associate of arts or science. The degree requirements are flexible for individual students, not intended for transfer, and include a minimum of 60 semester credit hours (90 quarter hours).

Career and Technical Education

The organized educational activities that offer a sequence of courses that include academic and technical knowledge and skills needed for current employment or further education.

Certificate

The award for satisfying the curriculum requirements of an activity, course, and/or program other than one that is intended for a diploma or a degree. Certificates can be awarded for credit and non-credit offerings.

College Parallel/Career Option Program (CP/CO)

AS or AA degree programs designed as the first two years of transfer credit toward a baccalaureate degree in a specific occupational area which includes a minimum number of skill development courses for immediate employment. Students have a choice of articulating their program to a four-year institution for completion of a baccalaureate degree or seeking employment in curriculum designed occupation or a related field.

College Parallel/Liberal General Studies/College Transfer

See Associate in Arts (AA) & Associate in Science (AS) Degrees.

Contact Hour

The computation of minutes given for an instructional activity. The minimum requirement of one contact hour is 50 minutes.

Continuing Education Unit (CEU)

A uniform unit of measurement given by a college for non-credit activity, course, and/or program. One continuing education unit (CEU) equals 10 contact hours (based on one 50-minute classroom hour) of participation in an organized education experience.

Credit

A unit of measure/recognition given by a college for the completion of an activity, course, and/

or program recognized by higher education. It accounts for instructional activity in standards terms of rationalization of collegiate requirements related to transferability.

Credit Hour

The computation of a single hour of class time per week occurring over a defined instructional period (term). An hour is referred to as 50 minutes to equal one credit hour of instruction, with requirements stated as semester minimums.

Classroom: 800 minutes (533 minutes for one quarter hour) of scheduled instruction plus, when applicable, a scheduled culminating activity.

Laboratory: 1,600 minutes (1,066 minutes for one quarter hour).

Clinical practice: 2,400 minutes (1,599 minutes for one quarter hour).

Cooperative/work experience: 3,200 minutes (2,132 minutes for one quarter hour).

Developmental Education

A non-college transfer course designed to provide assistance (remedial instruction) to an individual so they can successfully complete the regular courses in their program of study.

Diploma

The award granted for satisfying the curriculum requirements of a program that consist of a minimum of 15 semester credit hours (22 quarter hours) with the general education component consisting of a minimum of 3 semester hours (4 quarter hours).

Full-Time Equivalent Enrollment (FTEE)

The equivalent number of students attending a single community college. One FTEE in credit hours equals twenty-four (24) credit hours. One FTEE in non-credit (contact) hours equals 600 contact hours.

General Education

Credit courses designed to broaden student ability to reason, think, compute, communicate and adapt to change. They also include human development in civic, consumer, environmental, and social responsibilities. The general education requirements include courses in communications, humanities, mathematics, science, and social science. The number and type of general education courses is determined by the degree (state requirements) and often varies with different receiving institutions.

Headcount

The actual number of students enrolled in a given instructional category or unit during a given period of time.

Unduplicated headcount means that a person is counted only once during the reporting period even though they may be enrolled in more than

one program. The individual is to be reported in the program in which they were most recently enrolled. If the above criterion discriminates, then the student is to be reported in the program in which they received the most credit or contact hours of instruction. In any case, the student should be counted only once during a specified period of enrollment even though they may be in more than one term during the reporting period.

Human Resources

Community college employees are classified according to position and assignment codes. The staff is usually classified as administration, instructional/faculty, professional, secretarial/clerical, and service.

A **full-time** faculty/instructor is classified full-time according to the college's definition and whose regular assignment is instruction (more than 50 percent), including those with released time for research. Also included are full-time instructional faculty on sabbatical leave, full-time replacements for instructional faculty on leave without pay, and chairs of departments (if they have no other administrative title and hold a full-time faculty rank).

A **part-time** faculty/instructor is classified part-time according to the college's definition and who is employed less than full-time (see above definition). An adjunct faculty/instructor is when a person has an occasional or temporary affiliation with an institution or another faculty member in performing a duty or service in an auxiliary capacity.

Temporary/Seasonal includes individuals who are employed by the college for short-time periods for specific purposes. Such an employee may be full or part-time and often are not provided benefits.

Joint Enrollment

A student who is enrolled in a secondary school and a postsecondary institution at the same time. The credits earned are often applicable for fulfilling the graduation requirements at both levels. Courses offered for joint enrollment are disaggregated into the following categories:

Contracted courses are college credit courses offered to secondary school students through contractual arrangements. These courses often generate supplementary weighting for the local district. Courses generating supplementary weighting are defined as "concurrent enrollment."

Postsecondary Enrollment Options (PSEO) courses are college credit courses offered to secondary school students through the PSEO program.

Tuition courses are college credit courses taken secondary school students independently.

Jointly Administered Program

A program entered into by two or more educational institutions to provide instructional or administrative services jointly, to the mutual advantage of the constituents of each institution.

Leisure/Recreational

Courses that provide instruction in leisure, recreation, casual culture, wellness, and/or self-enjoyment subjects.

Non-Credit

Non-Credit offerings cover a wide range of activities, courses, and programs usually for the adult population. They are recognized for their ability to provide offerings in non-traditional lengths and delivery methods, as well as special "packaging" for individuals and business/industry.

Preparatory Program

Preparatory programs are designed to provide the specific skills and knowledge essential for successful entry into an occupation following completion of a designated curriculum. These programs may be for credit and/or non-credit depending on the intent and requirements of the curriculum.

Full-time programs operate on the average of 15 credit hours per term and at least two terms in length.

Part-time programs operate on the average of less than 15 credit hours per term and at least two terms in length.

Short-term programs are less than 22 credit hours in length.

Secondary High School Diploma Program

Courses provided by community colleges for secondary credit toward a high school diploma granted by a local secondary school district.

Student

A **full-time** student is one who enrolls for 12 or more semester credit hours (18 or more quarter hours) in the most recent regular term of enrollment.

A **part-time** student is one who enrolls for less than 12 semester credit hours (18 quarter hours) in the most recent regular term of enrollment.

Appropriate adjustments for length of summer term are to be used if the student has not attended a regular term during the academic year.

The above definitions are used for uniform state reporting, however community colleges often define full-time and part-time enrollments according to independent local criteria.

The Iowa College Student Aid Commission's full-time definition is a student enrolled for 12 or more semester credits, 12 or more quarter credits, or 24 contact hours a week each term.

B

REFERENCES

- Becker, Gary S. 1993. *Human Capital: A Theoretical and Empirical Analysis, with Special Reference to Education*. 3rd ed. University Of Chicago Press.
- Congressional Budget Office. 2009. Congressional Budget Office - Economic Projections. *Congressional Budget Office - Economic Projections*. <http://www.cbo.gov/budget/econproj.shtml>.
- Freeman, Catherine E. 2004. *Trends in Educational Equity of Girls & Women: 2004*. Washington : U.S. Department of Education, National Center for Education Statistics.
- Gill, A. M., & Leigh, D. E. (2003). Do the Returns to Community Colleges Differ Between Academic and Vocational Programs. *Journal of Human Resources* , 38 (1), 134-155.
- Grubb, W. N. (1993). The Varied Economic Returns to Postsecondary Education: New Evidence from the Class of 1972. *The Journal of Human Resources* , 28 (2), 365-382.
- Hussar, William, and Tabitha Bailey. 2008. *Projections of Education Statistics to 2017*. Washington, DC: U.S. Department of Education, National Center for Education Statistics, Institute for Education Sciences.
- Iowa Coordinating Council on Post-High School Education. 2008. *Iowa College and University Enrollment Report: Fall 2008*. University of Iowa.
- Iowa Department of Education. 2002. *The Annual Condition of Iowa's Community Colleges: 2001*. Des Moines, IA: Iowa Department of Education, Division of Community Colleges and Workforce Preparation, Bureau of Community Colleges and Career and Technical Education.
- . 2008a. *The Annual Condition of Education Report: 2008*. Des Moines, IA: Iowa Department of Education, Division of School Support and Information.
- . 2008b. *The Annual Condition of Iowa Community Colleges: 2007*. Des Moines, IA: Iowa Department of Education, Division of Community Colleges and Workforce Preparation, Bureau of Community Colleges and Career and Technical Education.
- Iowa Department of Education and Iowa Workforce Development. 2010.
- Iowa State Board of Regents. 2007. *Fall Enrollment 2007*. Board of Regents.
- Kane, T. J., & Rouse, C. E. (1999). The Community College: Educating Students at the Margin Between College and Work. *Journal of Economic Perspectives* , 13 (1), 63-84.
- Kleiner, Brian, and Laurie Lewis. 2005. *Dual Enrollment of High School Students at Postsecondary Institutions: 2002-03*. Washington D.C.: U.S. Department of Education, April. <http://nces.ed.gov/pubs2005/2005008.pdf>.
- Leigh, D. E., & Gill, A. M. (1997). Labor Market Returns to Community Colleges: Evidence for Returning Adults. *Journal of Human Resources* , 32 (2), 334-353.
- McCormack, Eugene. 2008. Community Colleges Hope to Keep Aging Professors in the Classroom. *The Chronicle of Higher Education*, June 13, sec. Special Report.
- Parsad, Basmat, and Laurie Lewis. 2008. *Distance Education at Degree-Granting Postsecondary*

Institutions: 2006-07. Washington D.C.: U.S. Department of Education, National Center for Education Statistics, Institute for Education Sciences.

Provasnik, Stephen, and Michael Planty. 2008. *Community Colleges: Special Supplement to The Condition of Education 2008*. Washington D.C.: U.S. Department of Education, August. <http://nces.ed.gov/pubs2008/2008033.pdf>.

Schenk, Tom and Kiyu Matsuyama. 2009. Calculating Returns to Degree Using Administrative Data: 2002 Cohort. *Technical Bulletin #2*. Des Moines, IA: Iowa Department of Education.

Snyder, Thomas D., Sally A. Dillow, and Charlene M. Hoffman. 2008. *Digest of Education Statistics: 2007*. Washington D.C.: U.S. Department of Education.

Snyder, Thomas D., Alexandra G. Tan, and Charlene M. Hoffman. 2004. *Digest of Education Statistics 2003*. Washington D.C.: U.S. Department of Education, December.

U.S. Census Bureau. 2008. *Population Estimates*. Washington D.C.: U.S. Census Bureau, Population Division. www.census.gov/popest/.

C

INDEX

A

Accelerated Career Education (ACE 260G) 171, 172, 173, 175
Associate of Arts (AA) 87, 91, 94, 101, 102, 103, 104, 105, 128, 129, 130, 188, 197, 274, 275, 281, 287, 288
Associate of Applied Arts (AAA) 87, 91, 94, 101, 102, 103, 104, 105, 128, 129, 130, 134, 273, 275, 281, 287
Associate of Applied Science (AAS) 87, 91, 94, 101, 102, 103, 104, 105, 128, 129, 130, 134, 188, 197, 273, 274, 275, 281, 287
Adult Basic Education (ABE) 156, 157, 162, 163, 188, 217
adult literacy 155–170
 employment & postsecondary outcomes 188
Agriculture, Food, and Natural Resources 60, 61, 87
Associate of General Studies (AGS) 87, 91, 94, 101, 102, 103, 104, 105, 128, 129, 130, 274, 281, 288
apprenticeship programs 177–182
Architecture and Construction 43, 44, 45, 46, 47, 50, 60, 61, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 107, 123, 124, 125, 126, 127, 133
arts and sciences 1, 2, 8–9, 21, 131, 216, 217
 expenditures 217
arts, A/V technology and communications 132
Associate of Science (AS) 87, 91, 94, 101, 102, 103, 104, 105, 128, 129, 130, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 274, 281, 287, 288
Awards 87–130

B

Business, Management and Administration 22, 43, 44, 45, 46, 47, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 123, 124, 125, 126, 127, 133

C

career cluster 50, 99, 101, 102, 103, 104, 105, 275, 279
Certificate 91, 94, 101, 102, 103, 104, 105, 128, 129, 130, 134, 157, 169, 248, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 273, 275, 281, 288
concurrent enrollment 69, 289
contact hours 2, 135, 138, 139, 141, 177, 178, 217,

287, 288, 289
credit hours 7, 8, 13, 14, 15, 16, 17, 21, 26, 49, 50, 53, 56, 69, 71, 77, 78, 177, 183, 287, 288, 289
CTE 8, 9, 21, 22, 49, 59, 87, 89, 131

D

demographics
 awardee 88
 employee 242
 student 9, 22, 53, 72
Diploma 91, 94, 101, 102, 103, 104, 105, 128, 129, 130, 134, 157, 158, 248, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 274, 281, 287, 288, 289
dual credit. *See* joint enrollment

E

employees 241–272
 demographics 242–244
 educational attainment 242
employment
 employment type 241
 in-state 279
 student 276
enrollment
 fall 7–20
 fiscal year 21–48
 joint 53, 69–86
 non-credit 135–154
 online 49–68
 projections 10
English as a Second Language (ESL) 155, 156, 157, 164, 165
expenditures 215

F

Finance 43, 44, 45, 46, 47, 50, 60, 61, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 111, 123, 124, 125, 126, 127, 282, 283, 284, 285
financial aid 211–214
full-time equivalent enrollment (FTEE) 217

G

General Equivalency Degree (GED) 155, 156, 157, 158, 168, 169
graduation rate 183, 185, 188

H

health care and social assistance 279
Health Science 22, 43, 44, 45, 46, 47, 50, 60, 61, 88, 89, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 113, 123, 124, 125, 126, 127, 133
high school students. *See* joint enrollment
Human Services 43, 44, 45, 46, 47, 50, 60, 61, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 115, 123, 124, 125, 126, 127, 276, 282, 283, 284, 285

I

Iowa Department of Economic Development (IDED) 171, 177, 178, 179
Iowa Jobs Training Programs (260F) 171, 172, 173, 175, 178, 179, 181, 217
Industrial New Jobs Training Programs (260E) 171, 172, 175, 177, 179, 180, 217
Iowa State University 1, 186, 188
Iowa Workforce Development 186, 187, 197, 273, 274, 275, 276, 279, 280, 281, 282, 283, 284, 285

J

joint enrollment 53, 53–54, 69–86
grade level 75

M

Manufacturing 22, 43, 44, 45, 46, 47, 60, 61, 89, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 118, 123, 124, 125, 126, 127, 133, 275, 279, 282, 283, 284, 285
Marketing 43, 44, 45, 46, 47, 50, 60, 61, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 119, 123, 124, 125, 126, 127, 282, 283, 284, 285

N

non-credit enrollment 135–154

P

post-secondary enrollment option (PSEO) 69, 72, 75, 79, 80, 289
Public Safety 43, 44, 45, 46, 47, 50, 60, 61, 92, 93, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 117, 123, 124, 125, 126, 127, 133, 283, 284, 285
public university comparison 201

R

rate of return 274
private 274
by career cluster 275
by degree type 274
public 276
retention rate (in-state) 279
revenues 215

S

salaries
expenditures 215
instructor 245
Senior Year Plus 69
state general aid (SGA) 215, 217, 218
Science, Technology, Engineering, and Mathematics (STEM) 22, 50, 120, 275, 282, 283, 284, 285
success rate 183, 185, 197

T

Time-to-degree 185
transfer rate 186
Transportation, Distribution, and Logistics 50, 60, 61, 121
tuition 199–210
joint enrollment 72
national & regional comparison 199
revenue 215

U

University of Iowa 22, 188, 292
University of Northern Iowa 22, 188

V

vocational
expenditures 217
programs. *See* Career and Technical Education (CTE)

W

wages
student 183, 186, 274, 275
by completion status 186



COMMUNITY COLLEGES &
WORKFORCE PREPARATION