Copies of the *Fact Book on Higher Education* are available from the SREB publications office. SREB continuously monitors new comparative data and makes them available on the SREB website: www.sreb.org. The website also features an online edition of the *Fact Book* with links to the latest updates of the tables and individual *Featured Facts* reports for each of the 16 SREB states.
Message from the SREB President

Among the many documents that SREB produces, the Fact Book on Higher Education has been the most enduring. Since 1956, it has chronicled the history of progress in the South, as SREB states graduated more associate, bachelor's, master's and professional degree students year in and year out. In this, my first year at SREB, I have taken pride in claiming association with such SREB gems. The Fact Book represents the kind of work that keeps our region aware of the progress we are making — and our eyes focused on where we still need work.

I learned three features of the Fact Book are worth recalling from time to time.

First, SREB has collected higher education data from its compact states for a long time. Institutions and states in the region agreed these data are important enough to collect, tabulate, report and analyze annually. Each state’s Data Exchange coordinator submits the same core data sets, including degrees conferred, persistence and progression rates, credit and contact hours, funding, tuition and tuition policy, time- and credits-to-degree, and e-learning. These data help researchers and policymakers study trends and answer key policy questions.

In addition, SREB collects data from a variety of sources, some of which are not curated elsewhere. We choose sources that provide the most reliable and valid data to inform us on demographic, economic and policy trends while situating SREB states in both a regional and national context. SREB staff look for providers that collect data every year to ensure we can track long-term trends with comparable data. Federal sources are valuable, including the U.S. Census Bureau and the National Center for Education Statistics. Non-government sources, including the National Science Foundation and the College and the National Association of State Student Grant and Aid Programs, are indispensable also.

Finally, all regular users of the Fact Book realize it is more than a book. It’s a compilation of rich data tables — over 100 of them — displayed with engaging narrative and graphics. While printed biennially, it is available online, where it comes alive every day. There, we update tables to make new data available soon after it is released. Years of related data accompany each Fact Book table online, making even more information readily accessible. Lay users as well as institutional and legislative researchers can download what they need, match it with their own data and use the results to tell their own stories.

Since coming to SREB, I’ve been concerned about the readiness of young adults for the changes in the workplace that economists are now forecasting. How well prepared is the current generation of young workers and high schoolers for what’s to come? When will automation begin to disrupt their lives and careers? By 2030? How nimble are today’s education systems for re-thinking education for tomorrow’s challenges? Here’s some advice: keep the Fact Book close at hand. Bookmark it on your computer. It might help us forecast more accurately as we try to weather the stormy decade ahead. Knowing what’s coming helps to strategize for better days. I plan to host a lot of discussion on this topic in the months and years ahead. We certainly hope SREB is the first place you call when you and your colleagues are ready to talk.

Stephen L. Pruitt, Ph.D.
President

The Fact Book has chronicled the history of progress in the South since 1956.
Acknowledgments

The data collected with the SREB-State Data Exchange survey continues to serve as the foundation for the Fact Book. The survey, which began in 1969, relies on the assistance of Data Exchange coordinators from all 16 SREB states to gather up-to-date comparative data on degrees and certificates awarded, student persistence and progression, time- and credits-to-degree, full-time-equivalent enrollment, distance education, dual enrollment, state funding, and tuition and mandatory fees. We appreciate the commitment of these coordinators to submitting timely and accurate data.

The Fact Book also includes a multitude of data compiled from many different sources, including federal agencies and professional organizations. These include the American Association of Colleges of Osteopathic Medicine; the American Medical Association; the Association of Research Libraries; the Center for the Study of Education Policy at Illinois State University; The Chronicle of Higher Education; the College and University Professional Association for Human Resources; the Institute for College Access and Success; the National Association of State Student Grant and Aid Programs; the National Center for Higher Education Management Systems; the National Science Foundation; the State Higher Education Executive Officers Association; the U.S. Bureau of Economic Analysis; the U.S. Bureau of Labor Statistics; the U.S. Census Bureau; the Washington Office of The College Board; and various offices of the U.S. Department of Education, especially the National Center for Education Statistics, the Office of Postsecondary Education and the Office of Student Financial Assistance.

Production of the SREB Fact Book involves a team of thoughtful, detail-oriented SREB staff. Vice President of Education Data, Policy Research, and Programs, Joan Lord, provided invaluable input on drafts and assistance with crafting the book’s story. Editorial consultant Teresa Valentine contributed greatly to the accuracy, consistency, and readability of the book through her careful review of drafts. Senior Designer and Production Manager, Lety Jones, was responsible for the design and layout of the book. Research Associates Chris Fuga and Rebecca Purser and Policy Analysts Meagan Crowe and Samantha Durrance provided valuable assistance in the updating of tables and drafting of chapters.
# Table of Contents

Message from the SREB President ................................................................. i
Acknowledgments ....................................................................................... ii
Table of Contents ....................................................................................... iii
Introduction ................................................................................................... ix

## Population, Economy, Schools and Government ....................................... 1

*Graphs*
- Proportion of Total Growth by Region ....................................................... 1
- Population Growth by Region .................................................................... 2
- Percent of 25- to 64-Year-Olds With an Associate Degree or Higher .......... 3
- Percent of Racial and Ethnic Groups 25 Years and Older With a Bachelor’s Degree or Higher, SREB States ................................................................. 4
- Public High School Graduation Rates by Race/Ethnicity, SREB States .......... 6

*Tables*
1. Total Population and Changes ................................................................. 8
2. Education Attainment of the Adult Population ........................................... 9
3. Education Attainment of Working-Age and Young Working-Age Adults .... 10
4. Education Attainment of the Working-Age Population by Race/Ethnicity .... 11
5. Racial and Ethnic Composition of the Population ...................................... 12
6. Age Distribution of the Population ........................................................... 14
7. Education Attainment of the Adult Population by Race/Ethnicity ............. 16
8. Public Prekindergarten, Elementary and Secondary School Enrollment .... 17
9. High School Graduation Rates ................................................................. 18
10. Per Capita Income .................................................................................. 20
11. Median Annual Income of Households .................................................. 21
12. Poverty Rates in the Population and Among Children ............................ 22
13. Employment and Unemployment in the Civilian Labor Force ............... 23
14. Nonagricultural Employment .................................................................. 24
15. Percent Distribution of State and Local Government General Expenditures 24
16. Percent Distribution of State and Local Government General Revenues . 28
17. State and Local Government General Revenues and Personal Income .... 30
18. State and Local Government General Expenditures ................................ 31
College Participation ................................................................. 33

*Graphs*

- Percent of First-Time Freshmen Attending College in Their Home State, 2016 ................................. 33
- Percent of Full-time Undergraduate Students Ages 24 or Younger, Two- and Four-Year Institutions, 2013 and 2017 .......................................................... 35
- Percent of Total Enrollment by Race/Ethnicity, 2017 ........................................................................ 36
- College Enrollment Rates of 18- to 24-Year-Olds by Race/Ethnicity, United States ......................... 36
- Change in Two-Year College Students as a Percentage of Undergraduate Enrollment, 2012 and 2017 ..... 37
- Enrollment in Online-Only Colleges by Region Where College Headquartered, 2017 ......................... 38

*Tables*

- Migration of First-Time Freshmen .................................................................................................. 40
- Freshman Merit Scholars .............................................................................................................. 41
- Total Enrollment in Higher Education ......................................................................................... 42
- Enrollment Changes by Student Level and Type of Attendance .................................................... 43
- Enrollment Changes by Gender and Race/Ethnicity ..................................................................... 44
- Enrollment Changes by Type of College and University ................................................................ 45
- Undergraduate Enrollment .......................................................................................................... 46
- Graduate and Professional Program Enrollment ............................................................................ 47
- Part-Time Enrollment .................................................................................................................. 48
- Age Distribution of College Students ............................................................................................ 49
- College Enrollment Rates by Age .................................................................................................. 50
- Enrollment of Women .................................................................................................................... 51
- Enrollment of Men ........................................................................................................................ 52
- Enrollment of Black Students ........................................................................................................ 53
- Enrollment of Hispanic Students .................................................................................................. 54
- Enrollment of White Students ........................................................................................................ 55
- Enrollment in Four-Year Colleges and Universities ................................................................. 56
- Enrollment in Two-Year Colleges .................................................................................................. 57
- Enrollment in Predominantly Black and Historically Black Colleges and Universities .................. 58
- Enrollment in Online-Only Colleges and Universities by State Where Institution is Headquartered .... 59
- Enrollment in Non-Degree-Granting Postsecondary Education Institutions ................................... 60
- Medical School Enrollment .......................................................................................................... 61
- Full-Time-Equivalent Enrollment in Public Colleges and Universities, SREB States ..................... 62
- Percent of Undergraduate Credit-/Contact-Hours Taken by High School Students, SREB States, 2017-18 ........................................................................................................ 64
- Percent of Instruction Through E-Learning .................................................................................... 65
College Completion ................................................................. 67

Graphs
Average Annual Earnings of Adults Ages 25 or Older, by Highest Level of Education,
United States, 2017 ................................................................. 67
Projected Increases in Employment by Education Required, United States ....................... 68
Trends in Student Progression Rates, SREB States ......................................................... 69
Graduation Rates, 150 Percent of Normal Time by Race and Ethnicity, Public Colleges and Universities ........................................... 70
Graduation Rates, 100 and 150 Percent of Normal Time, Public Colleges and Universities ....................................................... 71
Programs Completed, Public and Private Colleges, SREB States ........................................... 72
Student Status at Entry, Associate Degree Graduates, Public Two-Year Colleges
Participating SREB States, 2016-17 ........................................................................... 73
Bachelor’s Degree Graduates from Public Four-Year Colleges and Universities
Participating SREB States, 2016-17 ........................................................................... 74
Women Graduates as a Percent of Total Graduates, SREB States ................................... 76
Black Graduates as a Percent of Total Graduates, SREB States ....................................... 76
Hispanic Graduates as a Percent of Total Graduates, SREB States .................................. 77

Tables
44. First-Year Persistence and Progression Rates Within 150 Percent of Normal Time
to Graduation in Public Higher Education Institutions. .................................................. 79
45. Three- and Six-Year Graduation Rates in Public Colleges and Universities,
by Race and Ethnicity ..................................................................................... 80
46. Two- and Four-Year Graduation Rates in Public Universities and Colleges .................. 82
47. Sub-Bachelor’s Certificates Awarded by Public and Private Colleges and Universities ......................................................... 83
48. Awards Earned at Online-Only Colleges and Universities ............................................. 84
49. Associate Degrees Awarded by Public and Private Colleges and Universities ................. 85
50. Associate Degrees Awarded in Selected Fields ............................................................ 86
51. Percent Distribution of Associate Degree Graduates and Time- and Credits-to-Degree,
Public Two-Year Colleges .................................................................................. 87
52. Percent Distribution of Bachelor’s Degree Graduates and Time- and Credits-to-Degree,
Public Four-Year Colleges and Universities ............................................................... 88
53. Bachelor’s Degrees Awarded by Public and Private Colleges and Universities .................. 89
54. Bachelor’s Degrees Awarded in Selected Fields ........................................................... 90
55. Master’s Degrees Awarded by Public and Private Colleges and Universities .................. 91
56. Master’s Degrees Awarded in Selected Fields ............................................................ 92
57. Research and Scholarship Doctoral Degrees Awarded by Public and Private Colleges and Universities ........................................ 93
58. Research and Scholarship Doctoral Degrees Awarded in Selected Fields ..................... 94
59. Professional Practice Doctoral Degrees Awarded by Public and Private Colleges and Universities .............................................. 95
60. Professional Practice Doctoral Degrees Awarded in Selected Fields ............................. 96
61. Other Doctoral Degrees Awarded by Public and Private Colleges and Universities ........ 98
College Affordability ................................................................. 99

Graphs
Annual Undergraduate Costs of College Attendance, United States ................................................................. 99
Percent of Average Annual Household Income Required to Pay for One Year at a
Public Four-Year College, United States ........................................................................................................ 100
Percent of Tuition, Fees, Room and Board Covered by Maximum Federal Pell Grant, United States .......... 102
Student Financial Aid and Loan Trends, United States ....................................................................................... 103
What Students and Their Families Pay, Public Four-Year Colleges and Universities ................................ 104
Percent of Bachelor's Degree Graduates with Debt, Public Four-Year Colleges ......................................... 105

Tables
62. Median Annual Tuition and Required Fees for Full-Time Undergraduate Students ..................................... 106
63. Percent of Median Family Incomes Required to Pay Median Annual Tuition and Fees ............................ 108
64. Median Annual Tuition and Required Fees for Full-Time Undergraduate Students at Public
Universities, Colleges, and Technical Institutes or Colleges ........................................................................ 110
65. Federal Pell Grants ............................................................................................................................................. 112
66. Federal Student Loan Programs ..................................................................................................................... 114
67. State Scholarships, Grants and Other Financial Aid Funds ........................................................................ 116
68. First-Time Students' Participation in Student Financial Aid and Loan Programs at Public Four-Year Colleges and Universities ................................................................. 118
69. First-Time Students' Participation in Student Financial Aid and Loan Programs at Public Two-Year Colleges ......................................................................................................................... 120
70. Cost of Attendance and Net Price for Fall-Term, Full-Time Degree- or Certificate-Seeking
Undergraduates Who Paid In-State or In-District Tuition at Public Colleges and Universities ............. 122
71. Federal Campus-Based Financial Aid to Students .......................................................................................... 124
72. Average Minimum Debt of College Graduates at Public Four-Year Colleges and Universities ............ 125

Faculty and Administrators ......................................................... 127

Graphs
Women Faculty and Administrators, SREB States ................................................................................................. 127
Black and Hispanic Faculty and Administrators, SREB States ......................................................................... 128
Projected U.S. Job Growth ................................................................................................................................... 129
Part-Time Faculty, SREB States ............................................................................................................................ 129
Student-to-Faculty Ratios, Four-Year Colleges and Universities ....................................................................... 130
Changes in Annual Pay ......................................................................................................................................... 131
Average Salaries, Full-Time Instructional Faculty at Public Four-Year Colleges and Universities, 2017-18 .... 132
Average Salaries, Full-Time Instructional Faculty at Public Two-Year Colleges, 2017-18 .............................. 133

Tables
73. Full-Time Faculty at Public Four-Year Colleges and Universities ............................................................... 135
74. Full-Time Faculty at Public Two-Year Colleges ............................................................................................ 136
75. Part-Time Faculty and Graduate Assistants as a Percent of Total Instructional Faculty .......................... 137
76. Full-Time Administrators at Public Four-Year Colleges and Universities ........................................ 138
77. Full-Time Administrators at Public Two-Year Colleges .................................................................... 139
78. Staff at Public Four-Year Colleges and Universities ........................................................................ 140
79. Staff at Public Two-Year Colleges .................................................................................................. 142
80. Percent Distribution of Full-Time Instructional Faculty by Rank at Public Four-Year Colleges and Universities .......................................................... 144
81. Median Student-to-Faculty Ratios .................................................................................................. 145
82. Average Salaries of Full-Time Instructional Faculty at Public Four-Year Colleges and Universities .......................................................... 146
83. Average Salaries of Full-Time Instructional Faculty at Public Two-Year Colleges and Technical Institutes or Colleges .................................................. 147
84. Average Salaries of Full-Time Instructional Faculty by Rank at Public Four-Year Colleges and Universities .......................................................... 148
85. Average Salaries of Full-Time Instructional Faculty by Type of Public Four-Year College or University .......................................................... 149
86. Median Salaries of Full-Time Faculty by Discipline and Rank at Public Four-Year Colleges and Universities, United States ........................................................................ 150
87. Unweighted Median Salary by Classification, All Institutions ....................................................... 151

Revenues and Expenditures .................................................................................................................. 153

Graphs
Changes in Per Student Funding Adjusted for Enrollment Changes and Inflation,
Public Colleges and Universities, SREB States ................................................................................. 153
Components of Funding Growth, SREB States .................................................................................... 154
Ratio of State Appropriations and Tuition and Fee Revenues, SREB States .............................................. 155
Funding Sources for Public Four-Year Colleges and Universities, SREB States ........................................ 156
Funding Sources for Public Two-Year Colleges, SREB States ............................................................. 157
Spending Patterns at Public Four-Year Colleges and Universities, SREB States ...................................... 158
Spending Patterns at Public Two-Year Colleges, SREB States ............................................................. 158
Sources of Scholarship and Fellowship Spending at Public Colleges and Universities,
SREB States, 2014-15 ......................................................................................................................... 159

Tables
88. Funds for Educational and General Operations Per Full-Time-Equivalent Student at Public Four-Year Colleges and Universities .......................................................... 160
89. Funds for Educational and General Operations Per Full-Time-Equivalent Student at Public Two-Year Colleges .......................................................................................... 162
90. Funds for Educational and General Operations Per Full-Time-Equivalent Student at Public Technical Institutes or Colleges .......................................................... 163
91. Appropriations of State Tax Funds for Operating Expenses Related to Higher Education .................. 164
92. State Appropriations Related to Higher Education as Percentages of State Taxes ............................. 165
93. Percent Distribution of Funds for Operations Related to Higher Education, 2017-18 .................. 166
94. Percent Distribution of Revenues at Public Four-Year Colleges and Universities ....................... 168
95. Percent Distribution of Revenues at Public Two-Year Colleges............................................... 169
96. Percent Distribution of Spending at Public Four-Year Colleges and Universities ...................... 170
97. Percent Distribution of Spending at Public Two-Year Colleges ............................................. 171
98. Percent Distribution of Scholarships and Fellowships at Public Four-Year Colleges and Universities ....................................................................................... 172
99. Percent Distribution of Scholarships and Fellowships at Public Two-Year Colleges ..................... 173
100. Federal Support for Research and Development at Universities by State ........................................ 174
101. Top-Ranked Universities’ Spending on Research and Development ............................................. 175
102. Federal Support for Research and Development at Universities, Top 100 ............................... 176
103. University Endowments ........................................................................................................... 178
104. Universities’ Large Library Collections, Expenditures and Staff ................................................. 180

Appendix A

SREB-State Data Exchange Definitions of Institutional Categories and Listing of Public Universities, Four-Year and Two-Year Colleges, and Technical Institutes and Colleges ........ 183

Appendix B

SREB-State Data Exchange Agencies ............................................................................................ 195