

# Greenbook

## LBO Analysis of Enacted Budget

### Department of Higher Education

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September 2019

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Appropriation Spreadsheet

# LBO Greenbook

## Department of Higher Education

### Quick look...

- The Department of Higher Education (DHE) oversees and coordinates Ohio's network of public colleges and universities, known as the University System of Ohio, and a host of independent colleges and universities.
- Total budget: \$2.77 billion in FY 2020 and \$2.86 billion in FY 2021.
- State Share of Instruction (SSI) increases 2.1% in FY 2020 and 1.0% in FY 2021.
  - SSI comprises 72.1% of the \$5.63 billion total biennial budget for DHE.
- The budget provides annual increases of 25.1% in FY 2020 and 21.2% in FY 2021 for need-based student financial aid through the Ohio College Opportunity Grant (OCOG) Program.
- The budget also boosts funding for the Choose Ohio First Scholarship and War Orphans and Severely Disabled Veterans' Children Scholarship programs and Ohio Technical Centers.

Fund Group	FY 2018 Actual	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
General Revenue	\$2,553,677,184	\$2,588,363,615	\$2,721,287,310	\$2,807,425,214
Dedicated Purpose	\$19,577,783	\$22,038,931	\$18,239,921	\$18,164,251
Third Frontier Bond	\$6,189,200	\$6,170,632	\$8,000,000	\$8,000,000
Federal	\$20,891,815	\$19,935,080	\$23,103,119	\$23,145,000
Total	\$2,600,335,982	\$2,636,508,258	\$2,770,630,350	\$2,856,734,465
% change	--	1.4%	5.1%	3.1%
GRF % change	--	1.4%	5.1%	3.2%

### Overview

#### Agency overview

The Department of Higher Education (DHE) oversees and coordinates Ohio's network of public colleges and universities, known as the University System of Ohio, and a host of independent colleges and universities. It authorizes and approves new degree programs at existing institutions, advises the Governor and the General Assembly on higher education policy, advocates for and manages state operating and capital funds for public colleges and universities and student financial aid programs for all students, provides fiscal oversight of all public institutions, identifies gaps in Ohio's trained workforce, and oversees the development of workforce education to fulfill the needs of Ohio's industries, among other responsibilities. The Department is led by the Chancellor of Higher Education, who is appointed by the Governor, with the advice and consent of the Senate.

## Appropriation summary

The budget provides total appropriations of \$2.77 billion in FY 2020 and \$2.86 billion in FY 2021 for DHE. The preceding table shown in the “**Quick look**” section presents DHE’s appropriations by fund group. The General Revenue Fund (GRF) supports 98.2% of the budget for DHE. GRF appropriations increase 5.1% in FY 2020 compared to FY 2019 actual spending and 3.2% from FY 2020 to FY 2021, mostly for State Share of Instruction (SSI), the Ohio College Opportunity Grant (OCOG), scholarship programs, and debt service on higher education general obligation bonds. Non-GRF appropriations make up the remaining 1.8% of DHE’s budget, including federal funds (0.8%), Dedicated Purpose Fund (DPF) supported items (0.6%), and Third Frontier bond funds (0.3%). DPF appropriations decrease in FY 2020 primarily due to the discontinuation of Fund 5NH0 line item 235517, Short-Term Certificates, which provided need-based financial aid to students who were enrolled in a state institution of higher education in a program that may be completed in less than one year and for which a certificate or industry-recognized credential is awarded in an in-demand job. The budget, instead, provides a total of \$15.0 million in each fiscal year for a similar program in the Development Services Agency’s budget using a combination of GRF appropriation item 195556, TechCred Program, and DPF Fund 5HR0 appropriation item 195606, TechCred Program.

## Notable budget provisions

### State Share of Instruction

#### Funding summary

The State Share of Instruction (SSI) formula is used to distribute the core state operating funding for public higher education. For the most part, the budget continues the formula used for the FY 2018-FY 2019 biennium, which is based mostly on outcomes such as course completions and degree attainment. SSI is funded at \$2.02 billion in FY 2020, an increase of \$41.8 million (2.1%), and \$2.04 billion in FY 2021, an increase of \$20.2 million (1.0%). The SSI formula computes funding separately for two sectors: (1) the university main and regional campus sector and (2) the community college sector, which includes community colleges, state community colleges, and technical colleges. The following summarizes the distribution amounts for each sector by formula component and the budget’s major changes to the formula. LSC’s DHE Redbook for H.B. 166 of the 133<sup>rd</sup> General Assembly contains a more detailed analysis and description of the SSI formula.

#### University sector funding

The budget earmarks \$1.55 billion in FY 2020 and \$1.57 billion in FY 2021, or about 77% of overall SSI, for the university sector. The budget continues to distribute 50% of the earmark for universities based on degree attainment, leaving the remainder after set-asides for doctoral and medical programs, or about 30%, to be distributed based on course completions. The following table breaks out university sector funding by component for FY 2019 (before capital component adjustments) and under the budget for FY 2020 and FY 2021.

Table 1. Breakdown of SSI Funding for Universities (in millions)			
Funding Component	FY 2019	FY 2020	FY 2021
Degree attainment	\$761.6	\$776.9	\$784.7
Course completion	\$462.0	\$471.3	\$476.0
Doctoral set-aside	\$179.4	\$183.0	\$184.9
Medical II set-aside	\$97.6	\$99.6	\$100.6
Medical I set-aside	\$22.5	\$23.0	\$23.2
<b>Total</b>	<b>\$1,523.2</b>	<b>\$1,553.8</b>	<b>\$1,569.3</b>

### Community college sector funding

The budget earmarks \$465.4 million in FY 2020 and \$470.1 million in FY 2021 for the community college sector. Under the budget, community college funding continues to be based 50% on course completions, 25% on student success factors, and 25% on completion milestones. The following table breaks out community college sector funding for FY 2019 (before capital component adjustments) and under the budget for FY 2020 and FY 2021.

Table 2. Breakdown of SSI Funding for Community Colleges (in millions)			
Funding Component	FY 2019	FY 2020	FY 2021
Course completion	\$228.1	\$232.7	\$235.0
Student success	\$114.1	\$116.4	\$117.5
Completion milestones	\$114.1	\$116.4	\$117.5
<b>Total</b>	<b>\$456.3</b>	<b>\$465.4</b>	<b>\$470.1</b>

### SSI formula changes

In addition to increasing SSI funding for universities and community colleges, the budget makes the following changes to the SSI formula:

- Increases instructional model costs;
- Allocates 25% of the doctoral set-aside in proportion to each campus's share of doctoral program course completions, instead of in proportion to each campus's share of historical Doctoral I full-time equivalent (FTEs) as in prior years;
- Discontinues specific earmarks from the doctoral set-aside for the Northeast Ohio Medical University (NEOMED) and, instead, includes NEOMED in the set-aside with other institutions;
- Requires, for purposes of community college SSI calculations, the Chancellor to include students who are subsidy-eligible and students who were included in the SSI calculation prior to July 1, 2019, for the FY 2020 calculations; for the same calculations for FY 2021, prohibits the Chancellor from including nonresident students as subsidy-eligible; and

- Requires any institution that receives additional SSI subsidy compared to the prior year to use the additional distribution to provide need-based aid and counseling, support services, and workforce preparation services to its students.

### **Study on the use of employment metrics for the SSI formulas**

The budget establishes the Employment Metrics Consultation to study formula weights for post-graduation employment measures that may be incorporated in the SSI distribution formulas for universities and regional campuses and community and technical colleges beginning in FY 2022. The study must (1) research the most appropriate data sources available to measure employment outcomes, (2) evaluate the public policy benefits of adding such measures to the current SSI allocation formulas to reward institutional job placement performance, and (3) identify and evaluate the most critical factors that should be considered as possible enhancements to the formulas, including the relevance of graduates' degrees to job placement, employment in Ohio versus out of state, placement in high demand fields, and other qualitative factors. The Inter-University Council (IUC) and Ohio Association of Community Colleges (OACC) must each recommend eight members representing their respective institutional sectors to serve on the Employment Metrics Consultation. The study must be completed by June 30, 2020.

### **Tuition and fee increase restrictions**

For academic years 2019-2020 and 2020-2021, the budget authorizes public universities and their regional campuses to increase in-state undergraduate instructional and general fees by no more than 2% over what the institution charged in the prior academic year. It also authorizes community and technical colleges to increase tuition and general fees by no more than \$5 per credit hour over what the institution charged in the prior academic year. However, the Chancellor must approve any increases in, or the creation of, all other special fees. Special fees include fees that are specific to a program, such as a laboratory fee.

### **Undergraduate tuition guarantee programs**

The budget requires, instead of authorizes as under prior law, all public universities to establish an undergraduate tuition guarantee program, which provides a cohort of eligible students with a fixed rate for instructional and general fees for at least four years. Also, continuing law authorizes each public university a one-time increase of up to 6% above what was charged by the university in the previous year for the first cohort enrolled under the university's tuition guarantee program. After the initial cohort, public universities may then increase the guarantee amount one time per subsequent cohort. Under prior law, the increase could be up to the sum of (1) the average rate of inflation, as measured by the consumer price index (CPI) prepared by the Bureau of Labor Statistics, for the previous 60-month period and (2) the percentage amount the General Assembly restrains increases on in-state undergraduate instructional and general fees for the applicable fiscal year. The budget reduces, from 60 months to 36 months, the timespan of the average rate of inflation component.

## Choose Ohio First Scholarship Program changes

The budget makes the following changes to the Choose Ohio First Scholarship Program:

- Expands the program by qualifying students enrolled in a certificate program in the STEMM (science, technology, engineering, mathematics, and medicine) and dentistry fields at a state university or NEOMED for a scholarship (formerly, the program was limited to students in undergraduate and graduate programs);
- Authorizes a scholarship of no less than \$500, but no more than one-half of the highest in-state undergraduate instructional and general fees charged by all state universities, to a student enrolled in an approved certificate program;
- Authorizes students who receive multiple scholarships to exceed the maximum award allowed, so long as each scholarship is within its permitted amount; and
- Delays, as it pertains only to the Primary Care Medical Student component of the program, the time period by which a public or nonpublic university or college must repay a scholarship when terms of the award have been violated until the institution collects repayment from the student recipient, but also specifies that the Chancellor may not require repayment if the institution has certified collection of repayment to the Attorney General and has sent a copy of the certification to the Chancellor.

## Career-tech post-secondary credit plan

The budget requires the Chancellor, in consultation with the Superintendent of Public Instruction and with assistance from specified stakeholders, to develop and, if determined to be appropriate, implement a statewide plan permitting high school students in a career-technical planning district (CTPD) to receive post-secondary credit on a college transcript in a manner comparable to credit received through the College Credit Plus Program. The Chancellor must submit the completed plan to the Governor, the President and the Minority Leader of the Senate, and the Speaker and the Minority Leader of the House by June 30, 2020.

## Community College Acceleration Program

The budget requires DHE, with assistance from the Department of Job and Family Services, to establish the Community College Acceleration Program to enhance financial, academic, and personal support services to students in need of support from local social service agencies. Services may include comprehensive and personalized advisement, career counseling, tutoring, tuition waivers, and financial assistance to defray the costs of transportation and textbooks. The goal of the program, modeled upon the City University of New York's successful Accelerated Study in Associate Programs (ASAP), is to ensure eligible community college students have access to wrap-around services and, thus, improve college retention and completion rates. The planned source of funding for the initiative is Supplemental Nutrition Assistance Program (SNAP) Employment and Training dollars.

## OhioCorps Pilot Program

S.B. 299 of the 132<sup>nd</sup> General Assembly created the OhioCorps Pilot Program to provide eligible at-risk students living in Ohio with guidance to a pathway to higher education through



mentorship programs operated by public universities and community and technical colleges during FY 2020 and FY 2021. Under the program, an “at-risk” student is at least 13 years old and (1) is eligible for a free or reduced price lunch, (2) would have an expected family contribution of \$0, as determined by the Free Application for Federal Student Aid (FAFSA), in grade 12, or (3) is impacted by family opioid addiction or has entered into recovery for opioid addiction.

Each mentorship program must consist of a service-learning component for students enrolled at each participating institution that will allow those students to mentor and assist at-risk middle and high school students, and their parents, on a variety of topics, including preparing for college and career planning, tutoring, and opioid and drug education programs. Qualifying mentorship programs must provide a stipend, in an amount to be determined by the institution, to student mentors and develop plans for training mentors and partnering with local providers and existing programs, such as AmeriCorps and the Ohio Commission on Service and Volunteerism. In future fiscal years, the program will provide a one-time college scholarship of \$1,000 for at-risk participants that complete the program, enroll in a state institution of higher education, and meet other academic and community service requirements.

S.B. 299 provided \$2.5 million through an FY 2019 cash transfer from the GRF to the OhioCorps Fund (Fund 5UK0) and permits the unused balance of the appropriation at the end of FY 2019 to be reappropriated for FY 2020 to continue to support the mentorship programs. As a result, the budget does not include any new appropriations for the program, but permits the unused balance of the appropriation at the end of FY 2020 to be reappropriated for FY 2021.

## **Health Care Workforce Preparation Task Force**

The budget requires the Chancellor to establish the Ohio Physician and Allied Health Care Workforce Preparation Task Force to study, evaluate, and make recommendations with respect to health care workforce needs in Ohio. Topics to be considered by the Task Force may include physician, nursing, and allied health care education programs and health care workforce shortages in Ohio. The Chancellor will appoint task force members that must include State Medical Board members, medical school deans, hospital administrators, physician and nursing organizations, representation from federally qualified health centers, and other allied health personnel. The task force must issue a report to the Governor, the Speaker and Minority Leader of the House of Representatives, and the President and Minority Leader of the Senate no later than March 1, 2020.

## **State community college permanent improvement levy**

The budget authorizes the board of trustees of a state community college district to levy a property tax for permanent improvements, or a combination bond issuance and tax levy for that purpose. In either case, the issue is subject to voter approval. In the case of a tax levy without bond issuance, the tax may be levied for any specified number of years, or for a continuing period of time, and may be renewed or replaced before its expiration. The tax levy authorized by this provision is nearly identical to a tax levy authorized under continuing law for community college districts, except that the community college district levy can also be used for operating expenses.

## **Kent State University (KSU) land conveyances**

The budget authorizes the conveyance of five parcels of state-owned land in Portage County under the jurisdiction of KSU and requires the net proceeds of the sales to be paid to KSU and deposited in KSU accounts for purposes to be determined by its Board of Trustees.

## **Capital appropriation changes**

### **Increase for RAPIDS Program**

The budget amends H.B. 529 of the 132<sup>nd</sup> General Assembly to increase Higher Education Improvement Fund (Fund 7034) capital appropriation item C23529, Workforce Based Training and Equipment, from \$8.0 million to \$16.0 million, in the FY 2019-FY 2020 capital biennium. Capital appropriation item C23529 provides funds for the Regionally Aligned Priorities in Developing Skills (RAPIDS) Program, which supports collaborative projects among higher education institutions to strengthen education and training opportunities that maximize workforce development efforts in defined areas of the state. To support the increased appropriation from Fund 7034, the budget also authorizes the Ohio Public Facilities Commission to issue and sell an additional \$8.0 million in bonds.

### **Medina County Fiber Network capital reappropriation elimination**

The budget also amends H.B. 529 to eliminate reappropriations totaling \$100,000 from Fund 7034 capital appropriation item C25073, Medina County Fiber Network, under the University of Akron's capital budget.

### **Pro Football Hall of Fame Center of Excellence name change**

Finally, the budget amends H.B. 529 to eliminate "Center of Excellence" in the line item name of Fund 7034 capital appropriation item C30540, Pro Football Hall of Fame Center of Excellence, under NEOMED's capital budget.

# Analysis of FY 2020-FY 2021 budget

## Introduction

This section provides an analysis of the funding for each appropriation line item (ALI) in DHE's budget. For organizational purposes, these ALIs are grouped into 10 major categories based on their funding purposes. The analysis for an ALI with a lower category or subcategory designation will appear before that for an ALI with a higher category or subcategory designation. That is, the analysis for an ALI with a category designation of C1:8 will appear before the analysis for an ALI with a category designation of C2:1 and the analysis for an ALI with a category designation of C1:3 will appear before the analysis for an ALI with a category designation of C1:8.

To aid the reader in locating each ALI in the analysis, the following table shows the category in which each ALI has been placed, listing the ALIs in order within their respective fund groups and funds. This is the same order the ALIs appear in the DHE section of the budget bill.

In the analysis, each appropriation item's actual expenditures for FY 2019 and appropriations for FY 2020 and FY 2021 are listed in a table. Following the table, a narrative describes how the appropriation is used. If the appropriation is earmarked, the earmarks are listed and described.

Categorization of DHE’s Appropriation Line Items for Analysis of FY 2020-FY 2021 Budget				
Fund	ALI	ALI Name	Category	
General Revenue Fund Group				
GRF	235321	Operating Expenses	C8:1	Planning and Coordination
GRF	235402	Sea Grants	C3:3	Agricultural and Sea Grant Programs
GRF	235406	Articulation and Transfer	C7:4	Higher Education Collaboration
GRF	235408	Midwest Higher Education Compact	C7:6	Higher Education Collaboration
GRF	235414	Grants and Scholarship Administration	C2:7	Student Access
GRF	235417	Technology Maintenance and Operations	C7:2	Higher Education Collaboration
GRF	235428	Appalachian New Economy Workforce Partnership	C4:3	Workforce and Regional Economic Development
GRF	235438	Choose Ohio First Scholarship	C2:2	Student Access
GRF	235443	Adult Basic and Literacy Education – State	C4:2	Workforce and Regional Economic Development
GRF	235444	Ohio Technical Centers	C4:1	Workforce and Regional Economic Development
GRF	235474	Area Health Education Centers Program Support	C5:5	Medical Support
GRF	235492	Campus Safety and Training	C8:2	Planning and Coordination
GRF	235501	State Share of Instruction	C1:1	College and University Instructional Operations

Categorization of DHE's Appropriation Line Items for Analysis of FY 2020-FY 2021 Budget				
Fund	ALI	ALI Name		Category
GRF	235504	War Orphans and Severely Disabled Veterans' Children Scholarships	C2:4	Student Access
GRF	235507	OhioLINK	C7:1	Higher Education Collaboration
GRF	235508	Air Force Institute of Technology	C6:2	Basic and Applied Research
GRF	235510	Ohio Supercomputer Center	C6:1	Basic and Applied Research
GRF	235511	Cooperative Extension Service	C3:2	Agricultural and Sea Grant Programs
GRF	235514	Central State Supplement	C2:5	Student Access
GRF	235515	Case Western Reserve University School of Medicine	C5:3	Medical Support
GRF	235519	Family Practice	C5:2	Medical Support
GRF	235520	Shawnee State Supplement	C2:5	Student Access
GRF	235525	Geriatric Medicine	C5:7	Medical Support
GRF	235526	Primary Care Residencies	C5:4	Medical Support
GRF	235533	Program and Project Support	C4:4	Workforce and Regional Economic Development Programs
GRF	235535	Ohio Agricultural Research and Development Center	C3:1	Agricultural and Sea Grant Programs
GRF	235536	The Ohio State University Clinical Teaching	C5:1	Medical Support
GRF	235537	University of Cincinnati Clinical Teaching	C5:1	Medical Support
GRF	235538	University of Toledo Clinical Teaching	C5:1	Medical Support
GRF	235539	Wright State University Clinical Teaching	C5:1	Medical Support
GRF	235540	Ohio University Clinical Teaching	C5:1	Medical Support
GRF	235541	Northeast Ohio Medical University Clinical Teaching	C5:1	Medical Support
GRF	235543	Kent State University College of Podiatric Medicine Clinic Subsidy	C5:9	Medical Support
GRF	235544	STEM Public-Private Partnership Program	C4:6	Workforce and Regional Economic Development Programs
GRF	235546	Central State Agricultural Research and Development	C3:1	Agricultural and Sea Grant Programs
GRF	235548	Central State Cooperative Extension Services	C3:2	Agricultural and Sea Grant Programs
GRF	235552	Capital Component	C10:2	Facilities and Debt Service
GRF	235555	Library Depositories	C7:5	Higher Education Collaboration
GRF	235556	Ohio Academic Resources Network	C7:3	Higher Education Collaboration
GRF	235558	Long-term Care Research	C5:8	Medical Support
GRF	235563	Ohio College Opportunity Grant	C2:1	Student Access
GRF	235572	The Ohio State University Clinic Support	C5:6	Medical Support

Categorization of DHE's Appropriation Line Items for Analysis of FY 2020-FY 2021 Budget				
Fund	ALI	ALI Name		Category
GRF	235591	Co-Op Internship Program	C4:5	Workforce and Regional Economic Development Programs
GRF	235597	High School STEM Innovation and Ohio College Scholarship and Retention Program	C2:6	Student Access
GRF	235598	Rural University Program	C4:7	Workforce and Regional Economic Development Programs
GRF	235599	National Guard Scholarship Program	C2:3	Student Access
GRF	235909	Higher Education General Obligation Debt Service	C10:1	Facilities and Debt Service
Dedicated Purpose Fund Group				
2200	235614	Program Approval and Reauthorization	C8:3	Planning and Coordination
4560	235603	Sales and Services	C8:6	Planning and Coordination
4E80	235602	Higher Educational Facility Commission Administration	C10:3	Facilities and Debt Service
5D40	235675	Conference/Special Purposes	C8:5	Planning and Coordination
5FR0	235650	State and Non-Federal Grants and Award	C8:4	Planning and Coordination
5JC0	235654	Federal Research Network	C6:3	Basic and Applied Research
5NH0	235684	OhioMeansJobs Workforce Development Revolving Loan Program	C4:8	Workforce and Regional Economic Development Programs
5P30	235663	Variable Savings Plan	C9:1	Ohio Tuition Trust Authority
6450	235664	Guaranteed Savings Plan	C9:2	Ohio Tuition Trust Authority
6820	235606	Nursing Loan Program	C5:10	Medical Support
Bond Research and Development Fund Group				
7011	235634	Research Incentive Third Frontier	C6:4	Basic and Applied Research
7014	235639	Research Incentive Third Frontier – Tax	C6:4	Basic and Applied Research
Federal Fund Group				
3120	235611	Gear-up Grant	C2:8	Student Access
3120	235612	Carl D. Perkins Grant/Plan Administration	C4:9	Workforce and Regional Economic Development
3120	235641	Adult Basic and Literacy Education – Federal	C4:2	Workforce and Regional Economic Development
3BG0	235651	Gear Up Grant Scholarships	C2:8	Student Access
3H20	235608	Human Services Project	C5:11	Medical Support
3N60	235658	John R. Justice Student Loan Repayment Program	C2:9	Student Access

## Category 1: College and University Instructional Operations

### C1:1: State Share of Instruction (ALI 235501)

Earmark	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
University main and regional campuses	\$1,522,313,848	\$1,553,776,572	\$1,569,314,338
Community and technical colleges	\$455,057,106	\$465,426,250	\$470,080,512
GRF ALI 235501 total:	\$1,977,370,954	\$2,019,202,822	\$2,039,394,850
% change	--	2.1%	1.0%

Note: The FY 2019 actual amounts take into account capital component adjustments. See page 43 for additional details.

Ohio's State Share of Instruction (SSI) serves as the state's primary financial support to public higher education in Ohio. SSI generally provides unrestricted operating subsidies to Ohio's 61 public colleges and universities, funding a portion of the operating costs of serving approximately 338,000 FTE students enrolled in those colleges and universities. SSI is distributed to campuses in approximately equal monthly payments during a given fiscal year. The budget requires any institution that receives additional SSI subsidy above what it received in the prior year to use the additional distribution to provide need-based aid and counseling, support services, and workforce preparation services to its students. The budget's other changes to the SSI formula, including distribution amounts for each institutional sector, are described in the "**Overview**" section of this document.

## Category 2: Student Access

This category supports efforts to increase participation in higher education by providing a variety of student aid, from direct financial assistance for college students to institutional subsidies that help institutions maintain lower and more affordable tuitions.

### C2:1: Ohio College Opportunity Grant (ALI 235563)

Earmark	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
Public and Private Nonprofit Institution OCOG Grants	\$94,924,805	\$116,560,126	\$142,586,364
Remainder – Private For-Profit Institution OCOG Grants	\$2,833,675	\$5,700,374	\$5,613,636
GRF ALI 235563 total:	\$97,758,480	\$122,260,500	\$148,200,000
% change	--	25.1%	21.2%

The Ohio College Opportunity Grant (OCOG) provides need-based financial aid for higher education students based on their expected family contribution (EFC), as determined by the Free Application for Federal Student Aid (FAFSA). Currently, Ohio residents with an EFC of 2190 or less and a maximum household income of \$96,000 are eligible for OCOG awards. In general, the awards are determined by subtracting the sum of the EFC and associated Pell award (a fixed amount) from the average instructional and general fees charged by the

student's respective institutional sector. In FY 2019, the fixed EFC and Pell award combination used to determine OCOG awards was \$6,095. For FY 2020, this amount increased to \$6,195. The Chancellor publishes award amounts on DHE's website each fiscal year.

The budget earmarks \$116.6 million in FY 2020 and \$142.6 million in FY 2021 for OCOG aid to students attending public and private, nonprofit institutions of higher education. Eligible full-time students attending public institutions will receive \$2,000 in FY 2020, up from \$1,500 in FY 2019, and \$2,500 in FY 2021. Similarly, awards for private, nonprofit students will increase from \$3,000 in FY 2019 to \$3,500 and \$4,000 in FY 2020 and FY 2021, respectively. Accordingly, the budget discontinues a prior law policy that required awards for a student attending a private, nonprofit institution to be determined at twice the rate of the awards for a student attending a public institution. Instead, the budget specifies the award amounts for eligible students attending public and private, nonprofit institutions in FY 2020 and FY 2021, which are those described above. Should OCOG obligations exceed appropriations, the Chancellor may change eligibility requirements or decrease award amounts. Under these circumstances, the budget requires the Chancellor to reduce the awards proportionally among the three institutional sectors (public; private, nonprofit; and private, for-profit).

The remaining \$5.7 million in FY 2020 and \$5.6 million in FY 2021 is earmarked for students attending private, for-profit institutions.

Before determining OCOG award amounts, the Chancellor must use funds from line item 235563 to pay tuition waivers and student fees for eligible students in the Ohio Safety Officer's College Memorial Fund Program, which provides tuition assistance for children and spouses of peace officers, firefighters, and safety officers who were killed in the line of duty.

The budget authorizes the Director of the Office of Budget and Management (OBM) to transfer cash, up to the certified amount of canceled prior-year encumbrances in line item 235563, from the GRF to the Ohio College Opportunity Grant Reserve Fund (Fund 5PU0). Under continuing law, Fund 5PU0 is used as necessary to pay grant obligations in excess of the GRF appropriations made for the program.

## **C2:2: Choose Ohio First Scholarship (ALI 235438)**

<b>Fund/ALI</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
GRF ALI 235438, Choose Ohio First Scholarship	\$12,381,711	\$28,169,310	\$40,177,613
% change	--	127.5%	42.6%

This appropriation item provides scholarships to students pursuing STEM or STEM education degrees at one of Ohio's institutions of higher education. Selected institutions are awarded funds through a competitive grant process based on their STEM recruitment and retention plans. Recipient institutions then distribute scholarships to students. The program also provides scholarships to medical and advanced practice nursing students through the Primary Care Medical Student component of the program, consisting of Patient Centered Medical Home (PCMH) Medical and PCMH Nursing scholarships.

The budget expands the program by qualifying students enrolled in a certificate program in the STEM and dentistry fields at a state university or NEOMED for a scholarship. The budget authorizes Choose Ohio First scholarship awards for students enrolled in an approved certificate program of at least \$500 but no more than one-half of the highest in-state undergraduate instructional and general fees charged by all state universities (subject to certain exceptions, Choose Ohio First scholarships for undergraduate and graduate students must be at least \$1,500 but no more than one-half of the highest in-state undergraduate instructional and general fees charged by all state universities).

In addition, the budget authorizes students who receive multiple scholarships to exceed the maximum award allowed, so long as each scholarship is within its permitted amount. It also delays, as it pertains only to the Primary Care Medical Student component of the program, the time period by which a public or nonpublic university or college must repay a scholarship when terms of the award have been violated until the institution collects repayment from the student recipient, but specifies that the Chancellor may not require repayment if the institution has certified collection of repayment to the Attorney General and has sent a copy of the certification to the Chancellor.

The budget authorizes the Director of OBM to transfer cash, up to the certified amount of canceled prior-year encumbrances in line item 235438, from the GRF to the Choose Ohio First Scholarship Reserve Fund (Fund 5PV0). Under continuing law, Fund 5PV0 is used as necessary to pay scholarship obligations in excess of the GRF appropriations made for the program.

### **C2:3: National Guard Scholarship Program (ALI 235599)**

<b>Fund/ALI</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
GRF ALI 235599, National Guard Scholarship Program	\$19,005,244	\$20,604,000	\$21,222,120
% change	--	8.4%	3.0%

This program provides higher education scholarships to all authorized personnel of the Ohio National Guard (ONG). The program serves as both a recruitment and retention tool for the Guard and has proved to be an effective incentive for enlisting. The appropriation item provides funds for both scholarship grants and marketing efforts. The program's purpose is to recognize the service of the ONG by providing access to higher education for its members. The scholarship covers full tuition for students of state-assisted institutions and an amount equivalent to the average state-assisted award for students of private institutions. The scholarship is available for up to 12 full-time quarters or eight full-time semesters, equivalent to four years of study. Students must apply for the scholarship before each quarter or semester.

The budget eliminates an exemption for repayment liability of an Ohio National Guard scholarship recipient who fails to complete the term of enlistment due to the recipient's enlistment, warrant, commission, or appointment to the National Guard or an active duty component of the U.S. armed forces. Instead, it exempts from repayment liability a scholarship recipient who became liable for repayment due to enlistment, warrant, commission, or appointment to the National Guard, an active duty component of the U.S. armed forces, or other service or component of the U.S. armed forces between April 1, 2012, and the provision's



effective date. The budget also eliminates outdated language that required Ohio to return, not later than April 6, 2018, payments already made by scholarship recipients no longer liable for repayments that occurred on or before September 30, 2016.

The budget authorizes the Director of OBM to transfer cash, up to the certified amount of canceled prior-year encumbrances in line item 235599, from the GRF to the National Guard Scholarship Reserve Fund (Fund 5BM0). Under continuing law, Fund 5BM0 is used as necessary to pay scholarship obligations in excess of the GRF appropriations made for the program.

### **C2:4: War Orphans and Severely Disabled Veterans' Children Scholarships (ALI 235504)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235504, War Orphans and Severely Disabled Veterans' Children Scholarships	\$8,226,012	\$11,163,333	\$12,502,933
% change	--	35.7%	12.0%

This renamed appropriation item (formerly named "War Orphans Scholarship") provides funds for scholarships for the children of deceased or severely disabled Ohio veterans of wartime military service in the U.S. armed forces. The scholarship can be used at both state-assisted institutions and private institutions. In FY 2020, a scholarship is equal to 100% of instructional and general fees for students of state-assisted, two-year and four-year institutions and \$7,044 for students at private institutions. War Orphans Scholarship recipients must be Ohio residents under the age of 25, full-time undergraduates, and maintain a 2.0 grade point average (GPA). Overall, the number of eligible scholarship applicants has increased from approximately 750 students in FY 2013 to approximately 1,300 students in FY 2019 primarily due to growing diagnoses of severe post-traumatic stress disorder (PTSD). It is expected the number of eligible students will continue to rise.

The budget authorizes the Director of OBM to transfer cash, up to the certified amount of canceled prior-year encumbrances in line item 235504, from the GRF to the renamed War Orphans and Severely Disabled Veterans' Children Scholarship Reserve Fund (Fund 5PW0). Under continuing law, Fund 5PW0 is used as necessary to pay scholarship obligations in excess of the GRF appropriations made for the program.

### **C2:5: Campus Supplements (ALIs 235514 and 235520)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235514, Central State Supplement	\$11,685,516	\$11,685,516	\$11,685,516
% change	--	0.0%	0.0%
GRF ALI 235520, Shawnee State Supplement	\$2,537,456	\$4,037,456	\$4,037,456
% change	--	59.1%	0.0%

These line items provide additional subsidy to Central State University and Shawnee State University according to plans developed by the Chancellor. This funding is intended to allow the universities to maintain lower tuition, fund scholarships, and increase access for minority students, mainly African-Americans and students from the Appalachian region of the state, respectively. In FY 2019, Central State University's tuition was the lowest among the 13 university main campuses. Shawnee State's tuition was the second lowest.

### **C2:6: High School STEM Innovation and Ohio College Scholarship and Retention Program (ALI 235597)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235597, High School STEM Innovation and Ohio College Scholarship and Retention Program	\$0	\$1,000,000	\$1,000,000
% change	--	N/A	0.0%

This new appropriation item is distributed by the Chancellor to the Ohio Academy of Science, in collaboration with Entrepreneurial Engagement of Ohio, for the continuing development and implementation of recommendations of the Ohio Board of Regents that seek to create an innovation pathway between Ohio's K-12 education system and Ohio's colleges and universities and postsecondary career centers and vocational schools. The budget requires the program to:

- Conduct STEM Innovation and Entrepreneurship Forums at Ohio's universities and colleges for high school students and educators;
- Develop an in-school STEM Innovation and Entrepreneurship Program and STEM Commercialization Plan and STEM Business Plan competitions;
- Conduct a statewide STEM Commercialization Plan and STEM Business Plan competition, open to the winners of related local high school competition award winners, that includes scholarships to attend any Ohio college, university, or postsecondary career center; and
- Conduct a statewide Innovation and Entrepreneurship Scholarship Program that awards at least one scholarship to a student in each Ohio Senate and House District to attend any Ohio college.

The budget also requires all aspects of the program to be open to any Ohio high school student, with an emphasis on minority, rural, and economically disadvantaged students. Finally, the program must collaborate with Ohio's colleges and universities, and existing STEM, innovation, and entrepreneurship programs to implement these provisions and encourage enrollment at Ohio institutions of post-secondary and higher education.

**C2:7: Grants and Scholarship Administration (ALI 235414)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235414, Grants and Scholarship Administration	\$772,095	\$837,799	\$855,433
% change	--	8.5%	2.1%

This appropriation item provides funds to support the operating expenses of all of the student financial aid programs administered by DHE. In addition to administration of the state need-based financial aid programs, this line item provides funding for DHE to support all state financial aid audits and serve as fiscal manager for the Ohio National Guard Scholarship Program, the War Orphans and Severely Disabled Veterans' Children Scholarship Program, the Safety Officers College Memorial Fund, the Ohio College Opportunity Grant Program (OCOG), the Nurse Education Assistance Loan Program (NEALP), the John R. Justice Student Loan Repayment Program, and a portion of the Choose Ohio First Scholarship Program.

**C2:8: Gear-up Grant and Scholarships (ALIs 235611 and 235651)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
3120 ALI 235611, Gear-up Grant	\$1,549,863	\$1,995,808	\$2,000,000
% change	--	28.8%	0.2%
3BG0 ALI 235651, Gear Up Grant Scholarships	\$1,556,850	\$1,750,000	\$1,750,000
% change	--	12.4%	0.0%

These federal funds support programs at the state and local partnership levels to encourage low-income middle and high school students to raise their academic expectations, stay in school, take challenging courses, and go to college. Federal (FED) Fund 3120 appropriation item 235611, Gear-up Grant, provides a comprehensive system of school and community-based services including academic preparation, after-school and summer enrichment services, advising, tutoring, and mentoring in four communities (Parma, Marion, Norwood, and Crooksville) in the state with low college participation and high remediation rates. These consortia will help outside partners replicate their efforts in other parts of the state. According to DHE, Gear-up requires a 1:1 match from state or private funding sources. FED Fund 3BG0 appropriation item 235651, Gear Up Grant Scholarships, is used to provide scholarships to Gear-up high school graduates who attend a state institution of higher education. A new grant award totaling \$24.5 million, covering both programs, was awarded in FY 2016. The new award is expected to support both programs for seven years.

## **C2:9: John R. Justice Student Loan Repayment Program (ALI 235658)**

<b>Fund/ALI</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
3N60 ALI 235658, John R. Justice Student Loan Repayment Program	\$102,822	\$70,000	\$70,000
% change	--	-31.9%	0.0%

This appropriation item supports the federal John R. Justice Student Loan Repayment Program, which provides loan repayment assistance for state and federal public defenders and state prosecutors who agree to remain employed in hard-to-staff locations for at least three years. Recipients of the Ohio John R. Justice loan repayment grants may be competitively selected. Award amounts are dependent on the number of qualified recipients.

## **Category 3: Agricultural and Sea Grant Programs**

This category of appropriations supports the land-grant missions of Central State University (CSU) and the Ohio State University (OSU), including agricultural research and development, cooperative extensive services, and the sea grant program that seeks to improve the development and management of Lake Erie.

## **C3:1: Agricultural Research and Development (ALIs 235535 and 235546)**

<b>Fund/ALI</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
GRF ALI 235535, Ohio Agricultural Research and Development Center	\$36,361,470	\$37,361,470	\$37,361,470
% change	--	2.8%	0.0%
GRF ALI 235546, Central State Agricultural Research and Development	\$1,367,961	\$3,492,485	\$3,492,485
% change	--	155.3%	0.0%

One of the primary missions of land-grant universities is to engage in agricultural research and development. These line items provide state support for agricultural research and development efforts by Ohio's two land-grant institutions, OSU and CSU. The combined funding for agricultural research and development in the FY 2020-FY 2021 biennium amounts to \$40.9 million each fiscal year, over 91% of which flows to OSU through the Ohio Agricultural Research and Development Center (OARDC).

## OARDC

OARDC is the nation's largest comprehensive AgBioscience research organization. It serves as the research arm of OSU's College of Food, Agricultural, and Environmental Sciences. Headquartered in Wooster, OARDC also has ten "outlying agricultural research stations" located in every region of Ohio. OARDC is active in the following basic and applied research areas:

- agricultural, environmental, and development economics;
- food, agricultural, and biological engineering;
- animal sciences and food-animal health;
- food science and technology;
- horticulture and crop science;
- human and community resource development;
- human ecology, natural resources, and plant pathology; and
- entomology.

OARDC also trains graduate students in these areas and works with researchers at other OSU colleges, including the colleges of Human Ecology, Medicine and Public Health, and Veterinary Medicine. The Center serves such diverse groups as consumers, farmers and other producers, food processors, environmentalists, landfill managers, and researchers.

## CSU agriculture research and development

This item is used by CSU to meet the match required for federal funds. The appropriations increase in FY 2020 will be used by CSU to draw down its full allotment of federal funding. Generally, item 235546 will provide 50% of CSU's annual budget for agriculture research and development. The rest will be supported by federal funds.

### C3:2: Cooperative Extension Service (ALIs 235511 and 235548)

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235511, Cooperative Extension Services	\$24,110,186	\$25,110,186	\$25,110,186
% change	--	4.1%	0.0%
GRF ALI 235548, Central State Cooperative Extension Services	\$1,355,799	\$3,004,367	\$3,004,367
% change	--	121.6%	0.0%

These appropriation items support the offering of cooperative extension services by OSU and CSU. According to the U.S. Department of Agriculture, extension services provide relevant information through nonformal education and learning activities to farmers, small business owners, consumers, and families in both rural and urban areas. In October 2015, OSU and CSU began a five-year cooperation agreement to partner in the offering of agricultural extension services pursuant to federal law that requires a single, comprehensive extension program for a

state. Both universities serve as co-executives in counties in which they both have programs and coordinate to create a unified extension program. Although cooperative, and often co-located, both universities work individually and collaboratively to provide services to diverse populations across Ohio. The combined funding for extension services in the FY 2020-FY 2021 biennium amounts to \$28.1 million each fiscal year, about 89% of which flows to the OSU Extension.

### **OSU Extension**

The OSU Extension is headquartered in the College of Food, Agricultural, and Environmental Sciences and has had partnerships with the faculties and staffs of many departments across OSU. Located in every one of Ohio's 88 counties, the OSU Extension is an educational entity that creates partnerships with individuals, families, communities, businesses and industries, and organizations to strengthen the lives of Ohioans through research-based educational programs. OSU Extension programs focus broadly on health and wellness, workforce development, thriving across lifespan, sustainable food systems, citizen engagement, and environmental quality. The programs under the Cooperative Extension Service are designed to help people improve their lives, businesses, and communities through research-based education using scientific knowledge focused on identified issues and needs.

The Extension is supported by the state through GRF appropriation item 235511, Cooperative Extension Service, which is also used as a match to obtain nearly \$30.0 million each year in federal and county funds. In addition, state funds are used to leverage an additional \$20.0 million each year from grants and philanthropic gifts.

### **CSU Extension**

CSU Extension's mission is "to become a premier community-based outreach and educational program leader that provides a holistic Extension approach to improve the overall conditions facing families in rural and urban communities and addressing agricultural issues in rural and urban locations." To achieve this, CSU Extension has placed a county agent in five of Ohio's major cities or counties. CSU Extension's community approach includes the following strategies: to be adaptive to different community demands and to be specialized in a particular food and agriculture system. According to its strategic plan for 2017 through 2021, the following impact areas of concern for CSU are: creating youth pathways to success, building families and communities, developing better social economic and sustainable communities, and improving agriculture, plant pathology, and agriculture economies.

Similar to OSU's extension item 235511, CSU's GRF appropriation item 235548, Central State Cooperative Extension Service, is used to meet the match necessary for drawing down federal funds. According to DHE, the increase in appropriation for item 235548 will allow CSU to draw down its full allotment of federal funds for the program.

**C3:3: Sea Grants (ALI 235402)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235402, Sea Grants	\$299,250	\$299,250	\$299,250
% change	--	0.0%	0.0%

The Sea Grants appropriation item matches federal funds for the Ohio Sea Grant Program, the mission of which is to improve the development and management of Lake Erie. The Ohio Sea Grant Program is one of 32 Sea Grant programs in the National Oceanic and Atmospheric Administration's (NOAA) Sea Grant College Program and a part of the OSU land-grant program. Between one-third and one-half of this funding goes to competitive grants for agency and academic scientists to conduct research on the ecology and economy of Lake Erie. According to DHE, state funds leverage about \$1.5 million annually in federal funds.

S.B. 299 of the 132<sup>nd</sup> General Assembly provided an appropriation of approximately \$2.7 million over the FY 2019-FY 2020 capital biennium to be used by the program to purchase new in-lake monitoring equipment and to construct new laboratory space at Stone Laboratory, which was founded in 1895 as Ohio's Lake Erie laboratory and is the oldest freshwater biological field station in the U.S.

**Category 4: Workforce and Regional Economic Development**

This category of appropriations provides support to Ohio's economy through the development of services and activities to improve the adult workforce.

**C4:1: Ohio Technical Centers (ALI 235444)**

Earmark	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
Ohio Central School System	\$396,054	\$468,136	\$553,350
OTC assistance	\$48,000	\$48,000	\$48,000
OTCs providing business consultation with matching local dollars	\$1,125,000	\$3,000,000	\$3,000,000
Remainder – Ohio Technical Centers	\$15,071,859	\$16,153,423	\$19,648,650
GRF ALI 235444 total:	\$16,640,913	\$19,669,559	\$23,250,000
% change	--	18.2%	18.2%

Ohio Technical Centers (OTCs) provide education and training through full-time and part-time adult career-technical training programs. School districts, joint vocational school districts, and other public educational institutions are eligible for funding. The budget continues to allocate formula funds to OTCs according to a performance-based funding model. The funding model is the same as that used in prior years except that the budget reduces the amount each OTC is guaranteed to receive from 94% of the average allocation received in the

last three fiscal years (excluding a small portion of the formula based on industry-recognized credentials) to 75% in FY 2020 and to 65% in FY 2021.

The budget increases the earmark providing additional funds for OTCs that provide business consultation with matching local dollars, referred to as centers for training excellence. In each of FY 2020 and FY 2021, the budget allocates \$3.0 million for this purpose, up from the \$1.1 million paid to the 45 OTCs designated as such in FY 2019. Under the budget, these specific OTCs will each receive at least \$25,000 but not more than a maximum amount determined by the Chancellor. Formerly, the payment to each designated OTC was limited to no more than \$25,000.

#### **C4:2: Adult Basic and Literacy Education (ALIs 235443 and 235641)**

<b>Fund/ALI</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
GRF ALI 235443, Adult Basic and Literacy Education – State	\$7,083,344	\$8,083,344	\$8,083,344
% change	--	14.1%	0.0%
3120 ALI 235641, Adult Basic and Literacy Education – Federal	\$14,947,407	\$17,579,996	\$17,600,000
% change	--	17.6%	0.1%
<b>Total Adult Basic and Literacy Education</b>	<b>\$22,030,751</b>	<b>\$25,663,340</b>	<b>\$25,683,344</b>
% change	--	16.5%	0.1%

GRF appropriation item 235443, Adult Basic and Literacy Education – State, provides the state match for the federal Aspire (formerly Adult Basic and Literacy Education (ABLE)) Program grants appropriated in line item 235641, Adult Basic and Literacy Education – Federal. The Aspire Program provides grants for the development and administration of courses with instruction in basic literacy, workplace literacy, family literacy, English for speakers of other languages (ESOL), and preparation for high school equivalency tests. A funding cap of 5% is in place for administrative costs. DHE awards Aspire funds to local grantees through a competitive grant process approximately every three years.



### **C4:3: Appalachian New Economy Workforce Partnership (ALI 235428)**

<b>Earmark</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
Mahoning Valley Innovation and Commercialization Center	\$0	\$500,000	\$500,000
Remainder – Appalachian New Economy Workforce Partnership	\$1,228,000	\$3,728,000	\$3,728,000
GRF ALI 235428 total:	\$1,128,000	\$4,228,000	\$4,228,000
% change	--	244.3%	0.0%

Generally, this appropriation item promotes economic development in Appalachian Ohio through integrated investments designed to improve and target the region's information technology and knowledge infrastructure. Led by Ohio University, the Appalachian New Economy Partnership (ANEP) supports public-private technology partnerships among Ohio's public and private campuses, private industry, local government, and school districts within the 32-county Appalachian region. ANEP's goal is to develop talent, technology, and capital in the areas of entrepreneurship and business assistance, regional public management, and K-16 education to transform Ohio's Appalachian region so that its residents can take part in and benefit from the global economy. ANEP also provides workshops, marketing strategies for distressed communities, and consultation services in planning, marketing, finance, and information systems. The budget earmarks \$500,000 in each fiscal year from this line item to the Mahoning Valley Innovation and Commercialization Center.

### **C4:4: Program and Project Support (ALI 235533)**

<b>Earmark</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
Ohio Aerospace Institute's Space Grant Consortium	\$0	\$750,000	\$750,000
Ashland University Military and Veterans Resource Center Project	\$0	\$975,850	\$0
Levin College of Urban Affairs at Cleveland State University	\$0	\$500,000	\$0
MAGNET Early College Early Career Program	\$0	\$200,000	\$200,000
Emmanuel Christian Academy Unmanned Aviation STEM Pilot Program	\$0	\$125,000	\$125,000
Seeds of Literacy – Cleveland	\$0	\$125,000	\$125,000
Kent State University Rising Scholars Program	\$0	\$100,000	\$100,000
UC Cincinnati Hillel	\$0	\$28,000	\$28,000
GRF ALI 235533 total:	\$0	\$2,803,850	\$1,328,000
% change	--	N/A	-52.6%

This appropriation item supports various higher education and workforce development programs at several higher education and other schools throughout the state, including:

- \$750,000 in each fiscal year for the Ohio Aerospace Institute's (OAI) Space Grant Consortium. The Ohio Space Grant Consortium is one of 52 consortia in the 50 states, the District of Columbia, and Puerto Rico that receive federal funding from the National Aeronautics and Space Administration (NASA) to support and enhance STEM education through scholarships, fellowships, curriculum enhancement, and faculty development, as well as pre-college and informal public service education projects in an effort to expand opportunities for Americans to understand and participate in NASA projects. Ohio's consortium, led by OAI, consists of 18 universities and six community colleges, the NASA Glenn Research Center, the Air Force Research Laboratory, and education outreach partners, including the Cincinnati Observatory and the Drake Planetarium and Science Center in Norwood;
- \$975,850 in FY 2020 for the Ashland University Military and Veterans Resource Center Project. According to the University, the Center will provide veterans transitioning from military service to campus life with support services, including recruitment, admissions, registration and GI Bill processing, financial aid, academic advising, accessibility services, mental health counseling, and career development;
- \$500,000 in FY 2020 for the Levin College of Urban Affairs at Cleveland State University;
- \$200,000 in each fiscal year to support the development and implementation of an apprenticeship program administered through the Manufacturing Advocacy and Growth Network's (MAGNET) Early College Early Career Program. The budget requires the program to place high school students in a participating local private business that will employ the student and provide the training necessary for the student to earn a technical certification in computer integrated manufacturing, machining, or welding;
- \$125,000 in each fiscal year to support the expansion of an unmanned aviation STEM pilot program at Emmanuel Christian Academy for public and nonpublic high school students in Clark County;
- \$125,000 in each fiscal year for the Seeds of Literacy organization in Cleveland. This nonprofit organization provides basic education and high school equivalency test preparation to adults in the Cleveland area at no charge;
- \$100,000 in each fiscal year for the Kent State University (KSU) Rising Scholars Program. The program provides a select group of bright but at-risk middle and high school students in areas near certain KSU regional campuses with weekly mentoring from KSU students, summer academic skills workshops, and biannual one-day career connection workshops for students from seventh grade through high school graduation. Students that complete the program and elect to enroll in higher education are eligible for a scholarship that covers the cost of tuition at the KSU regional branch;
- \$28,000 in each fiscal year for Cincinnati Hillel at the University of Cincinnati (UC). Cincinnati Hillel is a Jewish student organization that offers a broad range of social,

cultural, religious, and personal growth experiences through various programming, education, and community service.

#### **C4:5: Co-Op Internship Program (ALI 235591)**

Earmark	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
Ohio University Voinovich School	\$50,000	\$612,500	\$812,500
Washington Center Internship Program	\$124,200	\$100,000	\$100,000
Wright State University Model U.N. Program and Center for Liberal Arts Student Success	\$50,000	\$75,000	\$75,000
Ohio State University John Glenn College of Public Affairs	\$50,000	\$62,500	\$62,500
University of Akron Bliss Institute of Applied Politics	\$50,000	\$62,500	\$62,500
Miami University Center for Public Management and Regional Affairs	\$50,000	\$50,000	\$50,000
Cleveland State University Center for the Advancement of Women in Public Service at the Maxine Goodman Levin College of Urban Affairs	\$50,000	\$50,000	\$50,000
University of Cincinnati Internship Program	\$50,000	\$50,000	\$50,000
Bowling Green State University Center for Regional Development	\$50,000	\$50,000	\$50,000
University of Toledo Urban Affairs Center	\$50,000	\$50,000	\$50,000
Youngstown State University Center for Urban and Regional Studies	\$50,000	\$50,000	\$50,000
Kent State University Washington Program in National Issues	\$0	\$50,000	\$50,000
Kent State University Columbus Program	\$50,000	\$0	\$0
GRF ALI 235591 total:	\$674,200	\$1,262,500	\$1,462,500
% change	--	87.3%	15.8%

This appropriation item provides funding for public policy schools and centers for internships at various public universities through the earmarks listed above.

#### **C4:6: STEM Public-Private Partnership Program (ALI 235544)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235544, STEM Public-Private Partnership Program	\$0	\$500,000	\$500,000
% change	--	N/A	0.0%

The budget establishes this item to encourage partnerships between high schools, community colleges, and private companies to provide high school students the opportunity to receive education and training in a targeted industry while simultaneously earning high school and college credit. A partnership selected for participation may use the grants awarded only for transportation, classroom supplies, and primary instructors for a course offered under the program.

The Chancellor must select five partnerships to participate in the program – one from each quadrant of the state and one from the central part of the state. Each partnership will receive a one-time grant of \$100,000. However, a partnership is ineligible for a grant if it received funding under a similar pilot program that was authorized by H.B. 64 of the 131<sup>st</sup> General Assembly and operated in FY 2017.

#### **C4:7: Rural University Program (ALI 235598)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235598, Rural University Program	\$0	\$500,000	\$500,000
% change	--	N/A	0.0%

The budget establishes this item to be used for the Rural University Program, a collaboration of Bowling Green State University, Kent State University, Miami University, and Ohio University, that will provide rural communities with economic development, public administration, and public health services. Each of the four participating universities will receive \$125,000 in each fiscal year to support their respective programs.

#### **C4:8: OhioMeansJobs Workforce Development Revolving Loan Program (ALI 235684)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
5NH0 ALI 235684, OhioMeansJobs Workforce Development Revolving Loan Program	\$155,139	\$245,163	\$0
% change	--	58.0%	-100.0%

This line item supports DHE's administrative costs associated with the OhioMeansJobs Workforce Development Revolving Loan Program. Under the program, created by S.B. 1 of the 130<sup>th</sup> General Assembly, a state institution of higher education or career-technical center may apply to the Chancellor for approval of a workforce training program. After the Chancellor determines the amount awarded to the institution for a program, the institution may then award loans to eligible program participants. The loans are to be repaid to the state within seven years, are interest-free until six months after the participant successfully completes the program, and cannot exceed \$10,000 per individual. The maximum annual award amount per workforce program is \$250,000.

The program is funded from Fund 5NH0, which consists of casino licensing revenue transferred from Fund 5JC0 in S.B. 1 of the 130<sup>th</sup> General Assembly. Loans are disbursed from the Treasurer of State budget in Fund 5NH0 appropriation item 090610, OhioMeansJobs Revolving Loan Program. The budget appears to wind down the program during the biennium, eliminating appropriation for DHE administrative support in FY 2021 and reducing appropriations to item 090610 from \$13.1 million in FY 2019 to \$775,000 in FY 2020 and \$250,000 in FY 2021.

#### **C4:9: Carl D. Perkins Grant and Plan Administration (ALI 235612)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
3120 ALI 235612, Carl D. Perkins Grant and Plan Administration	\$1,123,362	\$1,332,315	\$1,350,000
% change	--	18.6%	1.3%

The federal Carl D. Perkins Career and Technical Education Improvement Act aims to increase the quality of academic, career, and technical education within the United States. The appropriation item provides funding for the administration and development of the academic, career, and technical skills of secondary and postsecondary students who enroll in career and technical education programs to prepare themselves both for postsecondary education and for careers in high-skill, high-wage, or high-demand occupations in the knowledge and skills-based economy. The appropriations support technical assistance, program monitoring, data collection and reporting, campus grant funding calculations, and general direction of the program. The continuing focus of the Perkins Act is to integrate academic knowledge and technical skill development and to raise the academic performances of all career-technical students.

Perkins funds are provided to states that, in turn, allocate funds by formula to secondary and postsecondary schools. DHE receives a transfer of a portion of the federal funds obtained under the Perkins Act by the Ohio Department of Education to administer the Perkins grant funds for community and technical colleges and some universities, as well as to provide technical assistance to Perkins campus coordinators.

## Category 5: Medical Support

This category of appropriations provides support to Ohio's medical, dental, and veterinary education programs and bolsters Ohio's health industry.

### **C5:1: Clinical Teaching (ALIs 235536, 235537, 235538, 235539, 235540, and 235541)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235536, The Ohio State University Clinical Teaching	\$9,185,494	\$9,185,194	\$9,185,194
% change	--	0.0%	0.0%
GRF ALI 235537, University of Cincinnati Clinical Teaching	\$7,554,944	\$7,904,944	\$7,904,944
% change	--	4.6%	0.0%
GRF ALI 235538, University of Toledo Clinical Teaching	\$5,888,670	\$5,888,670	\$5,888,670
% change	--	0.0%	0.0%
GRF ALI 235539, Wright State University Clinical Teaching	\$2,860,830	\$2,860,830	\$2,860,830
% change	--	0.0%	0.0%
GRF ALI 235540, Ohio University Clinical Teaching	\$2,765,651	\$2,765,651	\$2,765,651
% change	--	0.0%	0.0%
GRF ALI 235541, Northeast Ohio Medical University Clinical Teaching	\$2,844,469	\$2,844,469	\$2,844,469
% change	--	0.0%	0.0%

These six appropriation items provide subsidies in support of laboratory and clinical teaching components of the medical and other health-related curricula at each of Ohio's six public medical colleges. These items help defray the costs of clinical training for Ohio's student health professionals. Clinical training is regarded as a fundamental component in the education of physicians and other health care professionals. Areas of subsidized training include medicine, nursing, pharmacy, physical and occupational therapy, and medical technologies. A significant majority of the students receive some clinical experience each year.

H.B. 49 earmarked \$100,000 in both FY 2018 and FY 2019 from line item 235537 to support the SmartOhio Financial Literacy Program at the University of Cincinnati. The budget discontinues this earmark, but earmarks \$350,000 in each fiscal year from line item 235537 to be provided to People Working Cooperatively for the Whole Home Innovation Center to be used to administer programming, conduct research and training, and convene multi-disciplinary experts to assess and adopt strategies to help Ohioans remain in their homes.

**C5:2: Family Practice (ALI 235519)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235519, Family Practice	\$3,007,876	\$3,007,876	\$3,007,876
% change	--	0.0%	0.0%

This appropriation item funds family practice initiatives. The appropriation item supports family practice residencies and instruction in the departments of family medicine within each medical college in Ohio, both public and private. State-assisted medical schools are required to establish and maintain departments of family medicine. The Family Practice appropriation supports an incentive-based subsidy that rewards medical schools for the number of medical school graduates who: (1) go on to family practice residencies, (2) establish family medicine practices in Ohio, and (3) serve underserved populations and/or geographic areas of Ohio. The subsidy's purpose is to raise the quality and number of family practice physicians practicing in the state. The budget requires funds from item 235519 to be distributed in each fiscal year based on each medical school's share of residents placed in a family practice and graduates practicing in a family practice.

**C5:3: Case Western Reserve University School of Medicine (ALI 235515)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235515, Case Western Reserve University School of Medicine	\$2,038,940	\$2,038,940	\$2,038,940
% change	--	0.0%	0.0%

This appropriation item provides supplemental state funding for the Case Western Reserve University (CWRU) School of Medicine. In return, the medical school agrees to use the funds to improve the clinical experiences of its medical students and to increase medical outreach to the residents of Cleveland and Cuyahoga County.

These funds are used by CWRU to recruit students across the country and create a curriculum that focuses on health issues in Ohio. Students learn to address critical public health issues that exist in Ohio's communities and provide medical services to underserved populations throughout Cuyahoga County, in part through early clinical experiences. CWRU submits an annual report to DHE detailing the students participating in health and healthcare initiatives; the health, healthcare, and medical areas addressed at CWRU; and the progress made in delivery of the community curriculum in the preceding year.

**C5:4: Primary Care Residencies (ALI 235526)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235526, Primary Care Residencies	\$1,425,000	\$1,425,000	\$1,425,000
% change	--	0.0%	0.0%

The Primary Care Residencies appropriation item is an incentive-based subsidy that rewards medical schools based on the number of medical school graduates who: (1) go on to primary care residencies in pediatrics, internal medicine, pediatric internal medicine, or osteopathic medicine, and (2) establish primary care practices in Ohio. The appropriation item supports instruction in primary care specialties, such as internal medicine and pediatrics, in order to raise the quality and number of primary care physicians in medical practice. The budget requires funds from item 235526 to be distributed in each fiscal year based on each medical school's share of residents placed in a primary care field and graduates practicing in a primary care field.

**C5:5: Area Health Education Centers Program Support (ALI 235474)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235474, Area Health Education Centers Program Support	\$873,000	\$873,000	\$873,000
% change	--	0.0%	0.0%

The Area Health Education Centers (AHEC) Program coordinates the placement of students of medicine and the other health professions into community-based clinical training sites, especially those in regions of physician shortages such as rural and inner-city areas.

The program also supports other health care workforce development efforts, including pipeline programs facilitating STEMM education and the support of practitioners already located in areas with shortages of healthcare professionals. The program's goal is to improve the geographic distribution and quality of healthcare personnel and healthcare delivery in the state. Measurement criteria include the number of training sites served, the number of students receiving education through the program, and student experiences in areas with current shortages of healthcare professionals.

**C5:6: The Ohio State University Clinic Support (ALI 235572)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235572, The Ohio State University Clinic Support	\$728,206	\$728,206	\$728,206
% change	--	0.0%	0.0%



This program supports the clinical components of the instructional programs at the dental and veterinary medicine schools at the Ohio State University. The clinics provide practical education to dentistry and veterinary medicine students, as well as to dental hygiene students.

### **C5:7: Kent State University College of Podiatric Medicine Clinic Subsidy (ALI 235543)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235543, Kent State University College of Podiatric Medicine Clinic Subsidy	\$0	\$500,000	\$500,000
% change	--	N/A	0.0%

The budget establishes this item to support the KSU College of Podiatric Medicine Clinic.

### **C5:8: Geriatric Medicine (ALI 235525)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235525, Geriatric Medicine	\$496,043	\$496,043	\$496,043
% change	--	0.0%	0.0%

This appropriation item supports the offices of geriatric medicine within the public medical colleges in Ohio. The maintenance of these offices is mandated by the state in R.C. 3333.111. The Geriatric Medicine Program helps ensure that all Ohio medical students receive specific education and training within their medical school curricula concerning the care of older adults. To that end, the offices are responsible for including geriatric medicine-related subject matter in existing courses, arranging the courses in sequence, and establishing courses in geriatric medicine wherever appropriate. The program's goal is to improve healthcare and create a better quality of life for Ohio's senior population.

### **C5:9: Long-Term Care Research (ALI 235558)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235558, Long-Term Care Research	\$309,035	\$309,035	\$309,035
% change	--	0.0%	0.0%

This appropriation item supports basic and applied research and graduate studies at Miami University's Scripps Gerontology Center. The center provides expertise, education, and research concerning issues of state and federal policy about long-term care. The program's goal is to identify cost-effective alternatives for long-term healthcare at reasonable levels of quality.

## Medical education post-graduation residency reports

The budget continues to require the institutions of higher education receiving the funds described above (except for those in item 235543 supporting the KSU College of Podiatric Medicine Clinic) in support of their medical schools to report to the Chancellor the residency status of graduates that were supported by moneys from their respective items one year and five years after graduating.

### C5:10: Nursing Loan Program (ALI 235606)

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
6820 ALI 235606, Nursing Loan Program	\$640,620	\$889,611	\$891,320
% change	--	38.9%	0.2%

This appropriation item supports the Nurse Education Assistance Loan Program (NEALP), which provides financial assistance to Ohio students enrolled in at least half-time study in approved Ohio nurse education programs, including post-licensure nursing instructor programs. The purpose of NEALP is to encourage individuals to become students and instructors in the nursing profession – where Ohio suffers a shortage – and to provide affordable college access to nurses and nursing students.

Funds in this line item are used to provide loans of approximately \$1,600 per year to students intending to serve as registered nurses and of at least \$5,000 per year to nurses intending to become nurse instructors. Awards for students studying nursing are made on the basis of need for up to four years of study. After they have obtained the appropriate licensure and are employed in the field of nursing, students will be eligible to have 100% of their outstanding loans cancelled in increments of 20% over five years of service. For students studying to be nursing instructors, awards are made on a first-come, first-served basis for up to two years of study. Students that obtain their graduate degree and are employed as nursing instructors are eligible to have 100% of their outstanding loan balance canceled in increments of 25% over four years of service.

The funding for this item is provided by surcharges on the license renewal fees paid by registered nurses and licensed practical nurses.

### C5:11: Human Service Project (ALI 235608)

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
3H20 ALI 235608, Human Services Project	\$0	\$375,000	\$375,000
% change	--	N/A	0.0%

This federally funded program supports the Medicaid Technical Assistance Policy Program (MEDTAPP). The program's goal is to obtain research findings to assist the administration's development of policies for improving the quality and cost effectiveness of healthcare delivered to the state's Medicaid population. Each year, the Ohio Department of

Medicaid (ODM) estimates the number of research projects to be funded; the federal funds are then used to support those projects conducted by campus academics. MEDTAPP funding is made possible through federal pass-through dollars from ODM to DHE through an interagency agreement. The funds are distributed to the Ohio medical colleges and other universities through a competitive proposal process managed by ODM. According to DHE, actual spending can vary widely from year to year.

## Category 6: Basic and Applied Research

This category of appropriations provides research programs and institutions with the means to create new technologies and help the economic vitality of the state.

### C6:1: Ohio Supercomputer Center (ALI 235510)

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235510, Ohio Supercomputer Center	\$4,388,513	\$4,388,513	\$4,388,513
% change	--	0.0%	0.0%

This appropriation item supports the operations of the Ohio Supercomputer Center (OSC), located at the Ohio State University. OSC, established in 1987, provides faculty, students, and researchers at Ohio's public and private colleges and universities access to a statewide high-performance computing resource. OSC is also available to researchers in private industry on a cost-recovery basis. OSC users can access high-performance computing (HPC), including OSC's modeling and simulation services and support. HPC provides the most effective technological tools currently available for solving a range of engineering and scientific problems and enabling advanced research by Ohio's academic and business communities.

During the past several years, the Center has expanded to provide training, scientific computing, and network research services to national HPC and networking groups, enhancing the services offered to Ohio users while building a national reputation. The two most recent capital appropriations acts provided over \$12 million in funding for new supercomputing and storage systems that significantly increase computing power and storage capacity. OSC is a member of OH-Tech, Ohio's statewide higher education technology consortium, along with eStudent Services, OhioLINK, and the Ohio Academic Resources Network (OARnet).

### C6:2: Air Force Institute of Technology (ALI 235508)

Earmark	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
Aerospace Professional Development Center	\$0	\$75,000	\$75,000
Remainder – Air Force Institute of Technology	\$1,566,723	\$1,566,723	\$1,566,723
GRF ALI 235508 total:	\$1,566,723	\$1,641,723	\$1,641,723
% change	--	4.8%	0.0%

Generally, this appropriation item supports graduate-level research projects at the Air Force Institute of Technology (AFIT) at Wright-Patterson Air Force Base and scholarships for graduate-level engineering students participating in the Defense Associated Graduate Student Innovators (DAGSI) Program, formerly known as the Dayton Area Graduate Studies Institute. AFIT, the first joint research program between the state of Ohio and the U.S. Air Force, provides graduate-level education in logistics and engineering for Air Force personnel. DAGSI is an engineering graduate consortium including AFIT, the University of Dayton, Wright State University, the Ohio State University, and the University of Cincinnati.

The budget also earmarks \$75,000 in each fiscal year to the Aerospace Professional Development Center in Dayton for statewide workforce development services in the aerospace industry.

### **C6:3: Federal Research Network (ALI 235654)**

<b>Fund/ALI</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
5JC0 ALI 235654, Federal Research Network	\$3,450,000	\$4,950,000	\$4,950,000
% change	--	43.5%	0.0%

This appropriation item funds a collaboration between the Ohio State University; federal installations in Ohio; public and private, nonprofit institutions of higher education; and the private sector to align the state's research assets with emerging missions and job growth opportunities emanating from federal installations, strengthen related workforce development and technology commercialization programs, and better position the state's university system to directly impact new job creation in Ohio. A portion of this appropriation will be used to support the growth of small business federal contractors in the state and to expand the participation of Ohio businesses in the federal Small Business Innovation Research Program and related federal programs.

The budget authorizes the unexpended, unencumbered balance of item 235654 at the end of FY 2019 to be reappropriated to FY 2020, subject to Controlling Board approval.

According to DHE, cash in the Economic Development Programs Fund (Fund 5JC0) is expected to be fully expended by the end of FY 2020. Therefore, the budget directed \$7.4 million of FY 2019 GRF surplus revenue to Fund 5JC0 to provide partial support for the appropriations of the Federal Research Network in FY 2020 and FY 2021. The budget also required the cash balance of the Career Exploration Internship Fund (Fund 5NS0), used by the Development Services Agency, to be transferred to Fund 5JC0. The budget then abolished Fund 5NS0. In August 2019, \$1.4 million was transferred to Fund 5JC0 pursuant to this provision.

**C6:4: Research Incentive Third Frontier (ALIs 235634 and 235639)**

Earmark	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
Water Quality Improvement	\$2,000,000	\$2,000,000	\$2,000,000
Spinal Cord Research	\$0	\$1,500,000	\$1,500,000
Infant Mortality Reduction	\$583,999	\$1,000,000	\$1,000,000
Opiate Addiction	\$829,761	\$1,000,000	\$1,000,000
Cyber-Security Initiatives	\$750,000	\$750,000	\$750,000
Ohio Manufacturing and Innovation Center	\$0	\$500,000	\$500,000
I-Corps@Ohio Program	\$1,000,000	\$300,000	\$300,000
Ohio Innovative Exchange Program	\$288,152	\$200,000	\$200,000
Remainder – Collaborative Research Proposals	\$718,720	\$750,000	\$750,000
Fund 7011 ALI 235634 and Fund 7014 ALI 235639 total:	\$6,170,632	\$8,000,000	\$8,000,000
% change	--	29.6%	0.0%

Overall, the budget appropriates \$6.5 million in each fiscal year from Fund 7011 line item 235634, Research Incentive Third Frontier, and \$1.5 million in each fiscal year from Fund 7014 line item 235639, Research Incentive Third Frontier – Tax. Of the \$8.0 million in combined appropriations for these items each fiscal year, \$7.25 million (91%) each fiscal year is earmarked to support both research on specified topics and certain programs, each of which are listed in the table above. The following briefly describes the three specific organizations or programs receiving funding. The Ohio Manufacturing and Innovation Center is a nonprofit organization providing various services to facilitate the growth of innovative technology manufacturing in Ohio. The I-Corps@Ohio Program, an initiative of DHE modeled after the National Science Foundation's I-Corps Program, assists faculty and graduate students from Ohio universities and colleges to validate the market potential of their technologies and assist with launching start-up companies. The Ohio Innovation Exchange Program (OIEx) provides a statewide research expertise portal and data-sharing model that highlights Ohio's biomedical and engineering faculty. OIEx's goal is aimed at enhancing inter-institutional collaborations, resource sharing, and improvement of industry collaboration, product development, and technology commercialization.

The remaining \$750,000 (9%) in each fiscal year, will fund collaborative research proposals at Ohio's research universities through the Research Incentive Third Frontier Program. The program aims to enhance the basic research capabilities and promote new research strengths at Ohio's 13 public universities, one stand-alone public medical college, and two private universities (Case Western Reserve University and the University of Dayton) in order to strengthen academic research that contributes to economic growth. The program rewards institutions' successes in attracting external research funds by fractionally matching those external funds obtained during the previous year. Each institution must submit to DHE a plan that explains its allocation of the matching funds for (1) academic and state purposes,

(2) strengthening research programs, and (3) increasing external funding. The plan must also include an evaluation process to determine and report the results of the increased state support. Further, an institution's plan must also demonstrate significant investments in Third Frontier activities funded at that institution.

## Category 7: Higher Education Collaboration

This category of appropriations serves the educational needs of Ohio's citizens through enhanced collaborations among institutions of higher education.

### C7:1: OhioLINK (ALI 235507)

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235507, OhioLINK	\$6,024,682	\$6,024,682	\$6,024,682
% change	--	0.0%	0.0%

This appropriation item supports the operations of OhioLINK, a statewide cooperative electronic library and information retrieval system. Created by the higher education community in 1989 to address a lack of adequate information resources available for research and teaching, OhioLINK enables access to the shared library collections of Ohio's public and private colleges and universities and the State Library of Ohio, with approximately 45 million library materials statewide. OhioLINK's goal is to provide easy access to information and rapid delivery of library materials throughout the state. OhioLINK offers the following electronic services: a library catalog, research databases, a multi-publisher electronic journal center, a digital resource commons, a growing collection of e-books, an electronic theses and dissertations center, and a music center. Other services include a digital asset management and preservation solution and integration with the Digital Public Library of America.

Approximately 70% of operating funding is used to support core statewide electronic content licenses, including electronic journals and research databases, delivery courier services, or IT costs. Through the cooperative purchase and use of these electronic information resources, OhioLINK achieves significant economies of scale. OhioLINK is a member of OH-Tech, Ohio's statewide higher education technology consortium, along with eStudent Services, OSC, and OARnet.

**C7:2: Technology Maintenance and Operations (ALI 235417)**

Earmark	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
Ohio Reach	\$0	\$150,000	\$150,000
Hocking College Workforce Training Instruction Programs	\$0	\$750,000	\$0
Ohio University-Lancaster Advanced Manufacturing And Robotics Workforce Training Programs	\$0	\$500,000	\$0
Remainder – eStudent Services, HEI System, Information Technology Solutions	\$4,586,975	\$3,589,937	\$3,608,802
GRF ALI 235417 total:	\$4,586,975	\$4,989,937	\$3,758,802
% change	--	8.8%	-24.7%

Generally, this line item is used to support the development and implementation of information technology solutions designed to improve DHE's performance and capacity, which the budget specifically allows to be provided by OH-Tech, Ohio's statewide higher education technology consortium. More specifically, the purpose of the item is to provide Shared Infrastructure (SI) services to DHE. SI provides application and server infrastructure, endpoint management, program management, and local area network (LAN) services to support DHE business services.

The budget requires a portion of line item 235417 in each fiscal year be used for the eStudent Services Program, formerly called the Ohio Learning Network (OLN), a state-of-the-art statewide collaborative electronic education system. eStudent Services is a member of OH-Tech, along with OARnet, OhioLINK, and the Ohio Supercomputer Center (OSC). The budget also requires a portion of line item 235417 in each fiscal year be used for the Higher Education Information (HEI) system. This system holds public and private institutional data in the areas of facilities, faculty-staff, academic programs, enrollment, financials, and financial aid. These funds are to be used to implement a high priority data warehouse, advanced analytics, and visualization integration services. Funding for the upgrades and maintenance of the HEI system was appropriated in H.B. 529 of the 132<sup>nd</sup> General Assembly, the current capital budget act.

**Workforce training instruction program earmarks**

The budget earmarks a total of \$1,250,000 in FY 2020 to establish a Workforce Training Center in Fairfield County. Up to \$750,000 in FY 2020 will be distributed to Hocking College via the Fairfield County Port Authority to develop instructional programming proposals for certificates or technical content of associate degrees to be offered at the Center. The programming must focus efforts on creating and implementing a short-term certificate and apprentice pathway program and providing access to training programs for developmentally disabled clients. Hocking College must spend the earmarked funds by June 30, 2020, and is prohibited from offering associate or baccalaureate degrees in Fairfield County.

Ohio University-Lancaster will receive \$500,000 in FY 2020 through the Fairfield County Port Authority to support the development and implementation of instructional programming that supports workforce training in the areas of advanced manufacturing and robotics.

The budget also requires Hocking College, Ohio University-Lancaster, and Fairfield County to establish a Workforce Program Committee for advisory purposes in developing workforce training plans and Workforce Training Center operations.

### Ohio Reach

The budget earmarks \$150,000 in each fiscal year to support Ohio Reach to provide mentoring and support services to former foster youth attending college.

### C7:3: Ohio Academic Resources Network (ALI 235556)

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235556, Ohio Academic Resources Network	\$3,077,343	\$3,077,343	\$3,077,343
% change	--	0.0%	0.0%

This program supports the operations of the Ohio Academic Resources Network (OARnet), which provides high-speed networking services to Ohio's higher education institutions, K-12 school districts, state and local governments, public broadcasting stations, and academic medical centers. OARnet provides internet access to millions of Ohioans, including students, researchers, and the general public. The program, established in 1987, provides high-quality, fiber-optic, backbone internet services to help link Ohio's academics to global information resources, distance learning, and state library networks such as OhioLINK. Program funds are provided to Ohio's state-assisted campuses for improving research, distance learning, education and economic development programs, and maintaining and enhancing network connections, including base operations and expansions for enhanced connectivity, functionality, and services. OARnet will continue to lead the implementation of the state's upgrade to a 100G network system, intended to increase Ohio's computing capabilities and draw cutting edge research and business to the state and to meet the future demands of the K-12 community for online assessments and blended learning. The budget indicates that, to the extent that network capacity is available, OARnet must supply bandwidth to eligible economic development programs. OARnet is a member of OH-Tech, Ohio's statewide higher education technology consortium, along with eStudent Services, OhioLINK, and OSC.

### C7:4: Articulation and Transfer (ALI 235406)

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235406, Articulation and Transfer	\$1,806,640	\$1,844,372	\$1,851,773
% change	--	2.1%	0.4%



This appropriation item supports DHE's long-time efforts to achieve an effective statewide articulation and transfer system that addresses issues arising from the increasing student mobility throughout Ohio's higher education system, in particular those issues arising from the transfers of students and their course credits among state-assisted colleges and universities. The program also supports military and apprenticeship pathways and the articulation of credit from high schools, high school career-technical programs, and Ohio Technical Centers to public institutions of higher education. Each academic year, DHE estimates that as many as 40,000 students transfer between Ohio's institutions. The system facilitates transfers by establishing and implementing uniform course equivalencies and transfer policies, by creating a seamless transfer module so that course credits earned by students at one institution may be applicable or transferable to other institutions in Ohio, and by ensuring the equitable treatment of all students. DHE has been expediting the transfer process through the Articulation and Transfer Clearinghouse, which provides a central hub that transmits electronic transcripts and course alignment information in real time from one institution to another. The system's goals are to improve access to higher education and to promote students' college success. All state articulation issues are overseen by the Articulation and Transfer Advisory Council, with members from Ohio's public colleges and universities and five officials from state and private organizations in both K-12 and postsecondary education.

### **C7:5: Library Depositories (ALI 235555)**

<b>Fund/ALI</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
GRF ALI 235555, Library Depositories	\$1,397,132	\$1,396,592	\$1,396,592
% change	--	0.0%	0.0%

This appropriation item supports a collaborative effort among Ohio's public universities to provide high-density storage for rarely used and duplicative library materials, thereby providing an economical alternative to additional traditional library space that would be needed to store such materials. The item provides funding for the storage operations at five regional depositories. The goal is to provide highly efficient storage and delivery services for the public universities' expanded print collection and make them available to students, faculty, and researchers at all OhioLINK institutions.

The five regional depositories are located at the campuses of Miami University, the Northeast Ohio Medical University, Ohio University, the Ohio State University, and at the Northwestern Ohio Book Depository, which serves Bowling Green State University and the University of Toledo and its medical campus. The depositories are built and expanded in modular form, with each module typically holding approximately one million items. By the end of FY 2018, the five depositories held more than 8.6 million items, representing over 19% of the total number of items in the OhioLINK electronic library system. On average, the depositories are filled to 86% of capacity. The budget continues to permit OhioLINK to administer the program at the direction of the Chancellor.

**C7:6: Midwest Higher Education Compact (ALI 235408)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235408, Midwest Higher Education Compact	\$111,550	\$115,000	\$115,000
% change	--	3.1%	0.0%

This line item supports Ohio's membership dues to the Midwest Higher Education Compact's (MHEC) commission for the next two fiscal years. The Midwest Compact is a nonprofit regional organization established in 1991 by an agreement among member states to advance higher education services and opportunities in the Midwest region. The Compact is charged with promoting interstate cooperation and resource sharing in higher education through cost savings programs, student access (including reduced tuition), and policy research.

The 12 member states of MHEC are Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin. The Compact's members meet twice each year to establish goals and priorities, review programs, and approve the operating budget.

**Category 8: Planning and Coordination**

This category of appropriations provides DHE and state-assisted institutions of higher education with operational and administrative support to perform efficiently and effectively.

**C8:1: Operating Expenses (ALI 235321)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235321, Operating Expenses	\$5,524,424	\$5,825,252	\$5,762,414
% change	--	5.4%	-1.1%

This appropriation item equips DHE with essential resources, mainly personnel, to enable the agency to pursue its mandated mission to serve Ohio's colleges and universities and to provide higher education policy and budget advice to the Governor and to the General Assembly. This item supports the agency's personal services, maintenance, and equipment. In addition to these services, the line item supports the operations and maintenance of the HEI system and the administration of the Research Incentive Program.

**C8:2: Campus Safety and Training (ALI 235492)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235492, Campus Safety and Training	\$756,421	\$750,000	\$750,000
% change	--	-0.8%	0.0%

This appropriation item provides support for the “Changing Campus Culture” Program aimed at ending sexual violence on Ohio’s college campuses. In the current biennium, the line item will be used to continue developing model best practices in line with emerging trends, research, and evidence-based trainings.

### **C8:3: Program Approval and Reauthorization (ALI 235614)**

<b>Fund/ALI</b>	<b>FY 2019 Actual</b>	<b>FY 2020 Appropriation</b>	<b>FY 2021 Appropriation</b>
2200 ALI 235614, Program Approval and Reauthorization	\$507,848	\$800,485	\$744,562
% change	--	57.6%	-7.0%

This appropriation item enables DHE to directly contract with and reimburse consultants who review and evaluate higher education institutions’ degree program proposals, conduct institutional authorization and reauthorization reviews, and perform institutional oversight reviews for private, proprietary, and out-of-state institutions, pursuant to Chapter 1713 of the Revised Code. DHE’s purpose in having programs and proposed programs reviewed by objective outside experts is to provide appropriate institutional oversight in order to ensure that Ohio’s degree programs are of the highest educational quality.

The appropriation is supported by remittances from those institutions requesting reviews, evaluations, authorizations, and reauthorizations and participation in the State Authorization Reciprocity Agreement; the institutions are responsible for all costs associated with the authorization process. The remittances are paid into Fund 2200 of the Dedicated Purpose Fund Group, which funds the program’s appropriations.

The costs incurred through approval and reauthorization are driven by the number of authorization requests that DHE receives from public, private, proprietary, and out-of-state institutions; the number of reauthorization requests received from currently authorized institutions; and the number of institutional oversight reviews performed by DHE. Each institutional request for authorization or reauthorization must be accommodated by DHE, which must also provide appropriate oversight reviews each year. The total number of reviews per year can vary depending on the institutions’ circumstances. DHE is responsible for authorizing approximately 140 independent nonprofit institutions, for-profit career colleges and schools, and all degree-granting programs. The budget provides funds in FY 2020 for one-time costs of implementing a database system for tracking program approvals. In FY 2021, appropriations will be used, in part, for ongoing maintenance of the system.

**C8:4: State and Non-Federal Grants and Award (ALI 235650)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
5FR0 ALI 235650, State and Non-Federal Grants and Award	\$1,236,560	\$1,402,150	\$1,402,150
% change	--	13.4%	0.0%

This line item is used to spend the proceeds of various temporary nonfederal grants.

**C8:5: Conferences/Special Purposes (ALI 235675)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
5D40 ALI 235675, Conferences/Special Purposes	\$846,470	\$1,000,000	\$1,000,000
% change	--	18.1%	0.0%

This appropriation item is supported by registration fees paid by persons participating in conferences and training related to educational technology as well as gifts and bequests for specific purposes. Moneys are used to pay for the costs associated with multiple statewide conferences, including the state's annual Educational Technology Conference, and for the purposes specified by gifts and bequests.

**C8:6: Sales and Services (ALI 235603)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
4560 ALI 235603, Sales and Services	\$23,555	\$199,250	\$199,250
% change	--	745.9%	0.0%

This appropriation item covers the costs of producing official publications and delivering services associated with DHE's Higher Education Information (HEI) system, as well as miscellaneous meeting expenses. Spending from this line item varies considerably from year to year. The line item is supported by the proceeds from HEI-related goods and services, conference fees, and the sale of publications that are deposited into Fund 4560.

**Category 9: Ohio Tuition Trust Authority**

This category of appropriations provides support for the operations and activities of the Ohio Tuition Trust Authority (OTTA) and Ohio's 529 college savings program oversight. OTTA was created in 1989 to provide a tax advantaged investment option for Ohio families to save for their children's college education. The Chancellor has governing power over OTTA's operations. The Ohio Tuition Trust Advisory Board acts as an advisory board to the Chancellor. The Advisory Board is made up of 11 members, including one appointed by the Governor that must have experience in the field of banking, investment banking, insurance, or law. All of OTTA's operations are funded through fee revenue generated through its programs – no expenditures are made from the GRF.

OTTA is responsible for Ohio's 529 college savings program, the College Advantage Savings Plan. A 529 college savings program is a state-operated investment plan named after the section of the federal Internal Revenue Code that specifies the various tax advantages of participating in the program. These tax advantages include tax-free growth while the value of the account accumulates, and withdrawals that are exempt from both federal and state income taxes if the distributions are used to pay for qualified higher education expenses. The qualified expenses include tuition, room and board, and any other fees or costs that are required for enrollment or attendance at the college or university. Funds invested in the plan may be used at any college in the country. In addition, federal tax law changes made in the Tax Cuts and Jobs Act (TCJA), H.R. 1 of the 115<sup>th</sup> Congress, and corresponding changes in state tax law enacted in S.B. 22 of the 132<sup>nd</sup> General Assembly permit 529 account owners to use distributions from 529 plans to pay K-12 tuition and other education expenses up to \$10,000 per student, per year, for enrollment at public or private elementary and secondary schools. Taxpayers may claim a deduction on their state return for contributions made for previously ineligible education expenses.

### **C9:1: Variable Savings Plan (ALI 235663)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
5P30 ALI 235663, Variable Savings Plan	\$6,742,685	\$7,743,050	\$7,915,343
% change	--	14.8%	2.2%

Appropriation item 235663 supports the investment options that are currently open to new enrollments and contributions. The Variable Savings Plan includes four investment managers (BlackRock, Vanguard, Fifth Third Bank, and Dimensional Fund Advisors). BlackRock Investment Management is OTTA's largest investment manager in terms of assets. In addition to advisor-sold options, OTTA has 24 options that investors can buy directly. Managed by three different investment managers (Vanguard, Fifth Third Bank, and Dimensional Fund Advisors), the direct options cover a range of investment options to meet a variety of investment needs.

### **C9:2: Guaranteed Savings Plan (ALI 235664)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
6450 ALI 235664, Guaranteed Savings Plan	\$828,000	\$956,973	\$1,001,626
% change	--	15.6%	4.7%

The oldest savings plan operated by OTTA, the Guaranteed Savings Plan, offered units which can be reimbursed for a portion of tuition, but no longer accepts new enrollments or contributions. Funding for this program comes from the reserve fund within the program, which contains fees that were assessed on each sale (approximately \$5 per contract) when the program was open for new enrollments and contributions.

Appropriation item 235664 pays for the administrative costs of operating the Guaranteed Savings Plan, which was established in October 1989. The Plan has been suspended for new enrollees since October 8, 2003, and suspended for new contributions to existing accounts since January 1, 2004. The Guaranteed Savings Plan suspension is due to an actuarial deficit, initially caused largely by the combination of the downturn in the economy and the stock market, and the large increases in tuitions at Ohio's public colleges and universities after the removal of tuition caps in FY 2002 and FY 2003.

Since new enrollments and contributions to the program have been suspended, the main activities of the program have been processing withdrawals, answering questions from program participants, and making program participants aware of investment options available under the Variable Savings Plan. The other priority of the program is to effectively manage the existing assets in the program to maximize the investment return while minimizing risk. Program staff will continue to provide the declining number of account holders with required communications, quarterly and annual statements, and tax forms.

## Category 10: Facilities and Debt Service

This category of appropriations provides funds for the servicing of debt obligations incurred by the state and for the administration of capital-related activities.

### C10:1: Higher Education General Obligation Debt Service (ALI 235909)

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235909, Higher Education General Obligation Debt Service	\$295,773,404	\$323,545,500	\$348,550,200
% change	--	9.4%	7.7%

This item provides the funds necessary to make debt service payments during the FY 2020-FY 2021 biennium on general obligation (GO) bonds issued to build and renovate facilities at state-supported colleges and universities throughout the state. In November 1999, Ohio voters approved a constitutional amendment authorizing the state to issue GO bonds for funding higher education's capital projects. GO bonds are backed by the full faith and credit of the state and thus can be issued at lower interest rates than other types of bonds. Since FY 2000, only general obligation bonds have been issued for state-supported higher education capital projects.

### C10:2: Capital Component (ALI 235552)

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
GRF ALI 235552, Capital Component	\$3,630,087	\$1,584,491	\$1,584,491
% change	--	-56.4%	0.0%

This item provides funding for campuses that requested and received capital appropriations lower than their formula-allocated capital appropriation amount in the capital formula used prior to FY 2012. The budget restricts the funds distributed through this line item to capital-related purposes. This appropriation item was established in FY 1998 to implement an incentive-based capital funding policy. Under this policy, DHE used a formula to recommend capital funding based on the amount and age of space, the number of student enrollments, and the total capital appropriations available. Funding for the Capital Component Program is equal to the difference between DHE's recommended capital funding amount under the prior formula and actual capital appropriations received. In FY 2012, DHE established a new method of making campus capital allocations based on statewide priorities and cooperative strategy among the institutions. Funding for the program continues, however, for outstanding debt issued for capital appropriations prior to FY 2012.

The SSI formula reduces a campus's SSI subsidy if the campus requested and received capital appropriations greater than its formula-determined amount. The reduction amount equals the difference between a campus's formula-determined debt service amount in the prior capital formula and the debt service amount actually received by the campus. For all applicable campuses, these reduced subsidies are deducted from GRF appropriation item 235501, State Share of Instruction, and transferred to the Capital Component appropriation item.

### **C10:3: Higher Educational Facility Commission Administration (ALI 235602)**

Fund/ALI	FY 2019 Actual	FY 2020 Appropriation	FY 2021 Appropriation
4E80 ALI 235602, Higher Educational Facility Commission Administration	\$48,193	\$53,239	\$60,000
% change	--	10.5%	12.7%

This item supports DHE's administration of the Higher Educational Facility Commission (HEFC), an agency of the state that provides for the issuance of tax-exempt revenue bonds for Ohio's independent nonprofit private colleges and universities and nonprofit hospitals and healthcare systems. HEFC does not have a separate staff or permanent offices; it relies on bond counsel (who is paid by the universities and hospitals for which bonds are issued) and the support of DHE for its operations. DHE staff support includes accounting and recordkeeping, scheduling and coordinating HEFC meetings and project applications, and preparing HEFC's annual report.

Each eligible entity pays an application fee for each bond issuance. The fee is deposited in the HEFC Operating Expense Fund (Fund 4610) and used to fund the operations of HEFC. The budget authorizes the transfer of up to the amount appropriated from item 235602 in both FY 2020 and FY 2021 from Fund 4610 to the HEFC Administration Fund (Fund 4E80) used by DHE, in order to enable DHE to perform HEFC's administrative duties.

# FY 2020 - FY 2021 Final Appropriations

# All Fund Groups

Line Item Detail by Agency			FY 2018	FY 2019	Appropriations FY 2020	FY 2019 to FY 2020 % Change	Appropriations FY 2021	FY 2020 to FY 2021 % Change
Report For: Main Operating Appropriations Bill			Version: As Enacted					
<b>BOR Department of Higher Education</b>								
GRF	235321	Operating Expenses	\$ 5,433,002	\$ 5,524,424	\$ 5,825,252	5.45%	\$ 5,762,414	-1.08%
GRF	235402	Sea Grants	\$ 299,250	\$ 299,250	\$ 299,250	0.00%	\$ 299,250	0.00%
GRF	235406	Articulation and Transfer	\$ 1,788,617	\$ 1,806,640	\$ 1,844,372	2.09%	\$ 1,851,773	0.40%
GRF	235408	Midwest Higher Education Compact	\$ 111,550	\$ 111,550	\$ 115,000	3.09%	\$ 115,000	0.00%
GRF	235414	Grants and Scholarship Administration	\$ 758,568	\$ 772,095	\$ 837,799	8.51%	\$ 855,433	2.10%
GRF	235417	Technology Maintenance and Operations	\$ 4,113,594	\$ 4,586,975	\$ 4,989,937	8.78%	\$ 3,758,802	-24.67%
GRF	235428	Appalachian New Economy Workforce Partnership	\$ 1,228,000	\$ 1,228,000	\$ 4,228,000	244.30%	\$ 4,228,000	0.00%
GRF	235438	Choose Ohio First Scholarship	\$ 12,655,431	\$ 12,381,711	\$ 28,169,310	127.51%	\$ 40,177,613	42.63%
GRF	235443	Adult Basic and Literacy Education - State	\$ 7,083,344	\$ 7,083,344	\$ 8,083,344	14.12%	\$ 8,083,344	0.00%
GRF	235444	Ohio Technical Centers	\$ 16,476,150	\$ 16,640,913	\$ 19,669,559	18.20%	\$ 23,250,000	18.20%
GRF	235474	Area Health Education Centers Program Support	\$ 873,000	\$ 873,000	\$ 873,000	0.00%	\$ 873,000	0.00%
GRF	235483	Technology Integration and Professional Development	\$ 13,406	\$ 0	\$ 0	N/A	\$ 0	N/A
GRF	235492	Campus Safety and Training	\$ 465,249	\$ 756,421	\$ 750,000	-0.85%	\$ 750,000	0.00%
GRF	235501	State Share of Instruction	\$ 1,977,320,820	\$ 1,977,370,954	\$ 2,019,202,822	2.12%	\$ 2,039,394,850	1.00%
GRF	235502	Student Support Services	\$ 632,974	\$ 632,974	\$ 0	-100.00%	\$ 0	N/A
GRF	235504	War Orphans and Severely Disabled Veterans' Children Scholarships	\$ 7,821,109	\$ 8,226,012	\$ 11,163,333	35.71%	\$ 12,502,933	12.00%
GRF	235507	OhioLINK	\$ 6,024,682	\$ 6,024,682	\$ 6,024,682	0.00%	\$ 6,024,682	0.00%
GRF	235508	Air Force Institute of Technology	\$ 1,566,723	\$ 1,566,723	\$ 1,641,723	4.79%	\$ 1,641,723	0.00%
GRF	235510	Ohio Supercomputer Center	\$ 4,388,513	\$ 4,388,513	\$ 4,388,513	0.00%	\$ 4,388,513	0.00%
GRF	235511	Cooperative Extension Service	\$ 24,110,186	\$ 24,110,186	\$ 25,110,186	4.15%	\$ 25,110,186	0.00%
GRF	235514	Central State Supplement	\$ 11,685,516	\$ 11,685,516	\$ 11,685,516	0.00%	\$ 11,685,516	0.00%
GRF	235515	Case Western Reserve University School of Medicine	\$ 2,038,940	\$ 2,038,940	\$ 2,038,940	0.00%	\$ 2,038,940	0.00%
GRF	235519	Family Practice	\$ 3,007,876	\$ 3,007,876	\$ 3,007,876	0.00%	\$ 3,007,876	0.00%
GRF	235520	Shawnee State Supplement	\$ 2,537,456	\$ 2,537,456	\$ 4,037,456	59.11%	\$ 4,037,456	0.00%
GRF	235525	Geriatric Medicine	\$ 496,043	\$ 496,043	\$ 496,043	0.00%	\$ 496,043	0.00%
GRF	235526	Primary Care Residencies	\$ 1,425,000	\$ 1,425,000	\$ 1,425,000	0.00%	\$ 1,425,000	0.00%
GRF	235533	Program and Project Support	\$ 5,025,000	\$ 0	\$ 2,803,850	N/A	\$ 1,328,000	-52.64%
GRF	235535	Ohio Agricultural Research and Development Center	\$ 36,360,388	\$ 36,361,470	\$ 37,361,470	2.75%	\$ 37,361,470	0.00%



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Line Item Detail by Agency			FY 2018	FY 2019	Appropriations FY 2020	FY 2019 to FY 2020 % Change	Appropriations FY 2021	FY 2020 to FY 2021 % Change
<b>BOR Department of Higher Education</b>								
GRF	235536	The Ohio State University Clinical Teaching	\$ 9,185,494	\$ 9,185,494	\$ 9,185,494	0.00%	\$ 9,185,494	0.00%
GRF	235537	University of Cincinnati Clinical Teaching	\$ 7,554,944	\$ 7,554,944	\$ 7,904,944	4.63%	\$ 7,904,944	0.00%
GRF	235538	University of Toledo Clinical Teaching	\$ 5,888,670	\$ 5,888,670	\$ 5,888,670	0.00%	\$ 5,888,670	0.00%
GRF	235539	Wright State University Clinical Teaching	\$ 2,860,830	\$ 2,860,830	\$ 2,860,830	0.00%	\$ 2,860,830	0.00%
GRF	235540	Ohio University Clinical Teaching	\$ 2,765,651	\$ 2,765,651	\$ 2,765,651	0.00%	\$ 2,765,651	0.00%
GRF	235541	Northeast Ohio Medical University Clinical Teaching	\$ 2,844,469	\$ 2,844,469	\$ 2,844,469	0.00%	\$ 2,844,469	0.00%
GRF	235543	Kent State University College of Podiatric Medicine Clinic Subsidy	\$0	\$0	\$ 500,000	N/A	\$ 500,000	0.00%
GRF	235544	STEM Public-Private Partnership Program	\$0	\$0	\$ 500,000	N/A	\$ 500,000	0.00%
GRF	235546	Central State Agricultural Research and Development	\$ 1,529,582	\$ 1,367,961	\$ 3,492,485	155.31%	\$ 3,492,485	0.00%
GRF	235548	Central State Cooperative Extension Services	\$ 1,444,563	\$ 1,355,799	\$ 3,004,367	121.59%	\$ 3,004,367	0.00%
GRF	235552	Capital Component	\$ 8,447,629	\$ 3,630,087	\$ 1,584,491	-56.35%	\$ 1,584,491	0.00%
GRF	235555	Library Depositories	\$ 1,397,132	\$ 1,397,132	\$ 1,396,592	-0.04%	\$ 1,396,592	0.00%
GRF	235556	Ohio Academic Resources Network	\$ 3,077,343	\$ 3,077,343	\$ 3,077,343	0.00%	\$ 3,077,343	0.00%
GRF	235558	Long-term Care Research	\$ 309,035	\$ 309,035	\$ 309,035	0.00%	\$ 309,035	0.00%
GRF	235559	Central State University - Agriculture Education	\$ 250,000	\$ 250,000	\$ 0	-100.00%	\$ 0	N/A
GRF	235563	Ohio College Opportunity Grant	\$ 99,805,918	\$ 97,758,480	\$ 122,260,500	25.06%	\$ 148,200,000	21.22%
GRF	235572	The Ohio State University Clinic Support	\$ 728,206	\$ 728,206	\$ 728,206	0.00%	\$ 728,206	0.00%
GRF	235591	Co-Op Internship Program	\$ 2,425,900	\$ 674,200	\$ 1,262,500	87.26%	\$ 1,462,500	15.84%
GRF	235597	High School STEM Innovation and Ohio College Scholarship and Retention Program	\$0	\$0	\$ 1,000,000	N/A	\$ 1,000,000	0.00%
GRF	235598	Rural University Program	\$0	\$0	\$ 500,000	N/A	\$ 500,000	0.00%
GRF	235599	National Guard Scholarship Program	\$ 18,565,228	\$ 19,005,244	\$ 20,604,000	8.41%	\$ 21,222,120	3.00%
GRF	235909	Higher Education General Obligation Bond Debt Service	\$ 248,856,204	\$ 295,773,404	\$ 323,545,500	9.39%	\$ 348,550,200	7.73%
<b>General Revenue Fund Total</b>			<b>\$ 2,553,677,184</b>	<b>\$ 2,588,363,615</b>	<b>\$ 2,721,287,310</b>	<b>5.14%</b>	<b>\$ 2,807,425,214</b>	<b>3.17%</b>
2200	235614	Program Approval and Reauthorization	\$ 633,912	\$ 507,848	\$ 800,485	57.62%	\$ 744,562	-6.99%
4560	235603	Sales and Services	\$ 1,998	\$ 23,555	\$ 199,250	745.91%	\$ 199,250	0.00%
4E80	235602	Higher Educational Facility Commission Administration	\$ 46,420	\$ 48,193	\$ 53,239	10.47%	\$ 60,000	12.70%
5D40	235675	Conference/Special Purposes	\$ 960,335	\$ 846,470	\$ 1,000,000	18.14%	\$ 1,000,000	0.00%
5FR0	235650	State and Non-Federal Grants and Award	\$ 354,477	\$ 1,236,560	\$ 1,402,150	13.39%	\$ 1,402,150	0.00%
5JC0	235654	Federal Research Network	\$ 3,450,000	\$ 3,450,000	\$ 4,950,000	43.48%	\$ 4,950,000	0.00%

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# All Fund Groups

Line Item Detail by Agency			FY 2018	FY 2019	Appropriations FY 2020	FY 2019 to FY 2020 % Change	Appropriations FY 2021	FY 2020 to FY 2021 % Change
<b>BOR Department of Higher Education</b>								
5NH0	235517	Short-Term Certificates	\$0	\$ 4,127,000	\$ 0	-100.00%	\$ 0	N/A
5NH0	235684	OhioMeansJobs Workforce Development Revolving Loan Program	\$ 188,763	\$ 155,139	\$ 245,163	58.03%	\$ 0	-100.00%
5P30	235663	Variable Savings Plan	\$ 6,486,039	\$ 6,742,685	\$ 7,743,050	14.84%	\$ 7,915,343	2.23%
5RA0	235616	Workforce and Higher Education Programs	\$ 5,907,457	\$0	\$0	N/A	\$0	N/A
5UK0	235594	OhioCorps Pilot Program	\$0	\$ 2,431,666	\$0	N/A	\$0	N/A
5Y50	235618	State Financial Aid Reconciliation	\$0	\$ 1,001,195	\$ 0	-100.00%	\$ 0	N/A
6450	235664	Guaranteed Savings Plan	\$ 831,303	\$ 828,000	\$ 956,973	15.58%	\$ 1,001,626	4.67%
6820	235606	Nursing Loan Program	\$ 717,079	\$ 640,620	\$ 889,611	38.87%	\$ 891,320	0.19%
<b>Dedicated Purpose Fund Group Total</b>			<b>\$ 19,577,783</b>	<b>\$ 22,038,931</b>	<b>\$ 18,239,921</b>	<b>-17.24%</b>	<b>\$ 18,164,251</b>	<b>-0.41%</b>
7011	235634	Research Incentive Third Frontier	\$ 5,337,200	\$ 3,440,662	\$ 6,500,000	88.92%	\$ 6,500,000	0.00%
7014	235639	Research Incentive Third Frontier - Tax	\$ 852,000	\$ 2,729,969	\$ 1,500,000	-45.05%	\$ 1,500,000	0.00%
<b>Bond Research and Development Fund Group Total</b>			<b>\$ 6,189,200</b>	<b>\$ 6,170,632</b>	<b>\$ 8,000,000</b>	<b>29.65%</b>	<b>\$ 8,000,000</b>	<b>0.00%</b>
3120	235611	Gear-up Grant	\$ 1,328,863	\$ 1,549,863	\$ 1,995,808	28.77%	\$ 2,000,000	0.21%
3120	235612	Carl D. Perkins Grant/Plan Administration	\$ 970,685	\$ 1,123,362	\$ 1,332,315	18.60%	\$ 1,350,000	1.33%
3120	235617	Improving Teacher Quality Grant	\$ 1,441,641	\$ 654,777	\$ 0	-100.00%	\$ 0	N/A
3120	235641	Adult Basic and Literacy Education - Federal	\$ 15,627,204	\$ 14,947,407	\$ 17,579,996	17.61%	\$ 17,600,000	0.11%
3BG0	235651	Gear Up Grant Scholarships	\$ 1,228,237	\$ 1,556,850	\$ 1,750,000	12.41%	\$ 1,750,000	0.00%
3H20	235608	Human Services Project	\$ 243,175	\$0	\$ 375,000	N/A	\$ 375,000	0.00%
3N60	235658	John R. Justice Student Loan Repayment Program	\$ 52,011	\$ 102,822	\$ 70,000	-31.92%	\$ 70,000	0.00%
<b>Federal Fund Group Total</b>			<b>\$ 20,891,815</b>	<b>\$ 19,935,080</b>	<b>\$ 23,103,119</b>	<b>15.89%</b>	<b>\$ 23,145,000</b>	<b>0.18%</b>
<b>Department of Higher Education Total</b>			<b>\$ 2,600,335,982</b>	<b>\$ 2,636,508,258</b>	<b>\$ 2,770,630,350</b>	<b>5.09%</b>	<b>\$ 2,856,734,465</b>	<b>3.11%</b>