



Exploring and Analyzing Statewide Higher Education Data

May 2025

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Introduction

The roles of WV HEPC's Research & Analysis team



Exploring Statewide Data

Reporting higher education data



The Explorer portal reports data across the higher education pipeline



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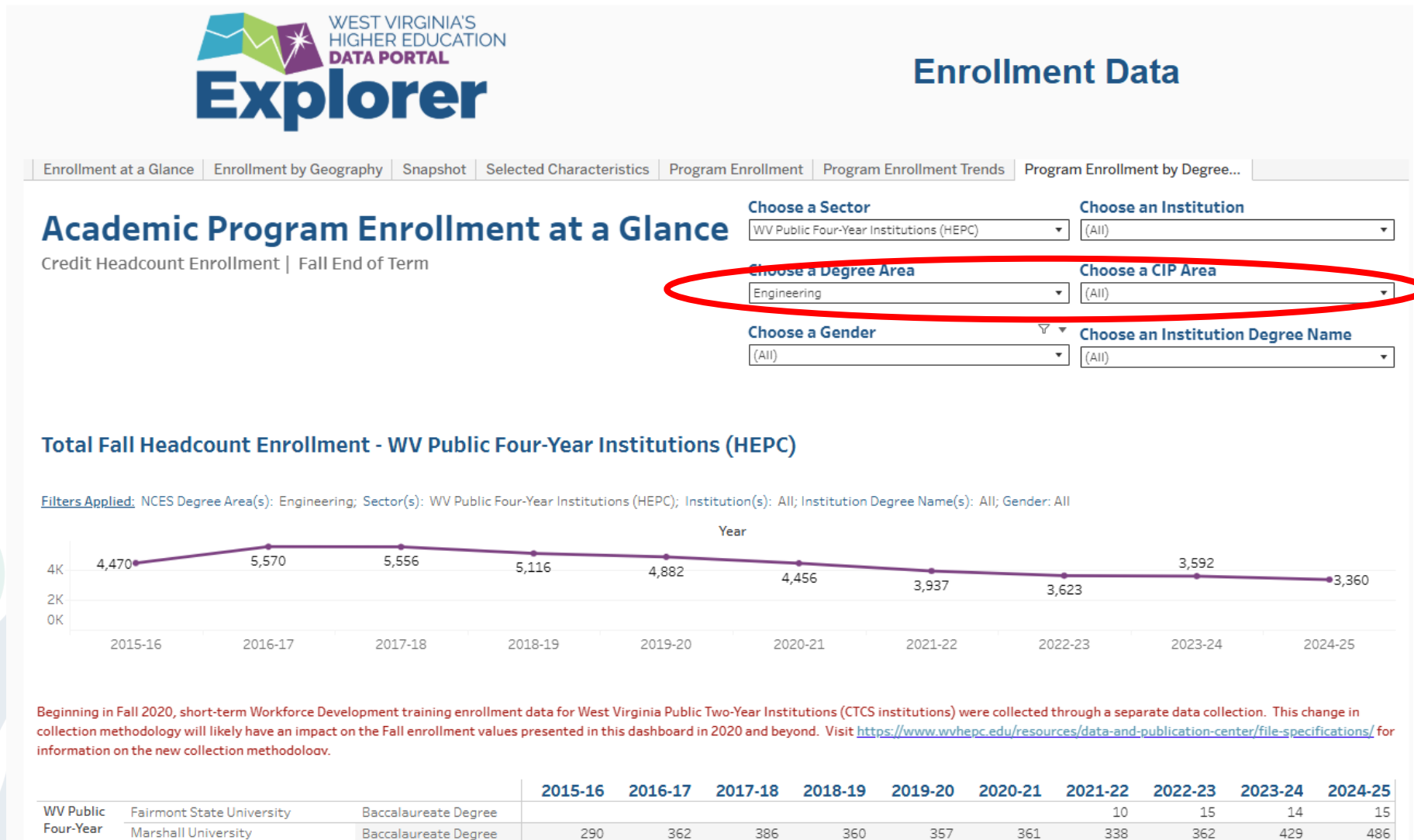


Explorer is an interactive data tool that provides public access to higher education data ranging from the postsecondary aspirations of graduating high school seniors, to their success in college, and workforce outcomes. Use the links below to explore on your own!



<https://www.wvhepc.edu/resources/data-and-publication-center/>

Student enrollment data can be filtered by degree area

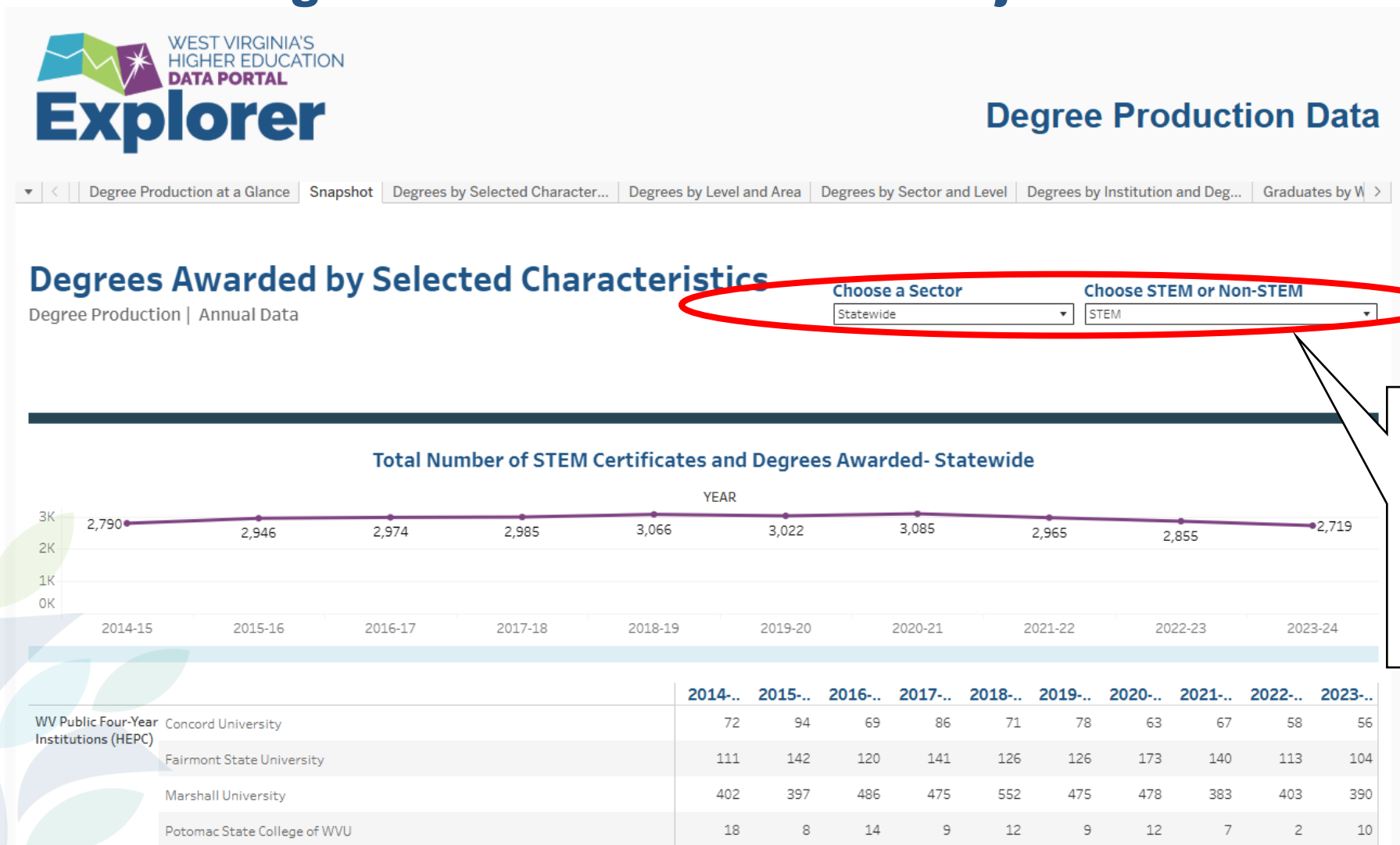


<https://www.wvhepc.edu/resources/data-and-publication-center/data-center-enrollment/>

Exploring and Analyzing Statewide Higher Education Data

| 5/21/2025 | 7

The number of degrees awarded to STEM majors can be selected



Degrees include both pure and broader STEM areas of study

<https://www.wvhepc.edu/resources/data-and-publication-center/data-center-graduation/>

WV median wages are reported by program area

WEST VIRGINIA'S HIGHER EDUCATION DATA PORTAL Explorer

Workforce Outcomes

Median Wages | Working in West Virginia | Most Popular Degrees | Program Matters

Workforce Outcomes for Public High School and Postsecondary Graduates

The data presented on this dashboard were derived from the The West Virginia P-20 Statewide Longitudinal Data System (P-20 SLDS)*. This dashboard is designed to provide public access to key data elements that provide insight into the employment outcomes of the state's public high school and postsecondary graduates.

Graduation Year: 2018-2019 | State/Institutional: Statewide

Choose a Program Area: Engineering, General

Annual median wages for **2018-2019 Statewide** graduates by the highest degree earned in West Virginia.

Program Area	Time After Graduation	Baccalaureate	Master's
Engineering, General	2 years	\$53,048	\$101,183
	4 years	\$55,656	\$128,967
	6 years	\$63,502	\$145,505

COHORT DEFINITION

This cohort includes West Virginia public high school and postsecondary graduates from the academic year **2018-2019** who earned wages in **all 4 quarters during the year** in West Virginia.

WAGE DATA

- Wage data include graduates who: a) were employed in West Virginia; and b) worked **all 4 quarters during the year**;
- Wage data do **NOT** include graduates who: a) were employed outside of West Virginia; b) were self employed; c) worked less than a full year; d) worked for the federal government;

Small cell sizes have been suppressed to protect the privacy of the individuals represented.

<https://www.wvhepc.edu/resources/data-and-publication-center/workforce-data/>

National wages are reported on the US Census' PSEO dashboards



<https://lehd.ces.census.gov/applications/pseo/?type=earnings&compare=postgrad&specificity=2&state=54&institution=54°reelevel=05&gradcohort=0000-3&filter=50&program=15>

Annual reports provide additional data on students in STEM-related programs



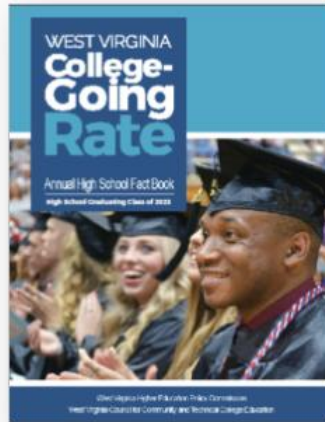
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Featured Reports



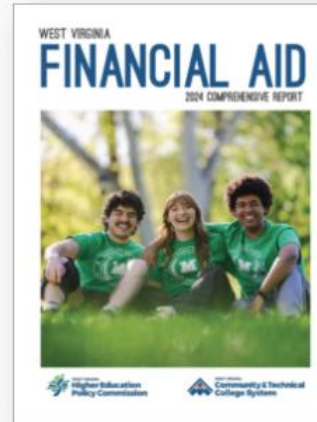
Select a Year ▾

Download



Select a Year ▾

Download



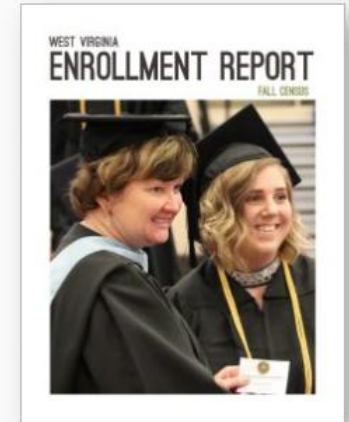
Select a Year ▾

Download



Select a Year ▾

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Select a Year ▾

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The Almanac lists the most popular majors for each institution



The image shows the cover of the 'Bluefield State University 2024' Almanac. It features a photograph of a young man and woman looking at a smartphone together. The year '2024' is in large white letters in the top right. Below the photo, the university name 'BLUEFIELD STATE UNIVERSITY' is in large white letters. To the left, under 'TOP 5 DEGREE AREAS UNDERGRADUATE & GRADUATE', is a list of majors: 1 Health Sciences, 2 Engineering, 3 Liberal Arts and Sciences, 4 Business, and 5 Education. The 'Engineering' entry is highlighted with a red box. To the right, various university facts are listed in blue boxes: 'FOUNDED IN 1895', 'PRESIDENT DR. DARRIN MARTIN', 'LOCATED IN BLUEFIELD, WV', 'STUDENT TO FACULTY RATIO 14:1', 'DEGREE LEVELS OFFERED Associate, Bachelor's', and 'CARNEGIE CLASSIFICATION Baccalaureate Colleges; Diverse Fields'.

<https://www.wvhepc.edu/resources/data-and-publication-center/>

Exploring and Analyzing Statewide Higher Education Data

The Financial Aid report includes funding levels across state aid programs, including the WV STEM Scholarship

WEST VIRGINIA FINANCIAL AID 2024 COMPREHENSIVE REPORT



The West Virginia Engineering, Science and Technology (WV STEM) Scholarship Program is a student financial aid program designed to enable and encourage academically-talented individuals to pursue careers in the fields of engineering, science, math and technology. Scholarships are awarded to degree- or certificate-seeking students on the basis of academic qualifications and are not to exceed \$3,000 per academic year. Recipients of the WV STEM Scholarship agree to work full-time in an engineering, science, math or technology field in West Virginia for one year for each year the scholarship was received. Students who do not meet the employment requirement must repay the scholarship received plus interest and any required collection fees.

To qualify for the WV STEM Scholarship, a student must:

- ▶ Be a United States citizen or resident alien who is an eligible non-citizen;
- ▶ Have a cumulative GPA of 3.0 on a 4.0 scale upon graduation from high school or have a cumulative GPA of at least 3.0 on a 4.0 scale after completing two semesters of coursework at an eligible institution of higher education; and
- ▶ Be enrolled or accepted for enrollment in an engineering, science, math or technology program leading to a certificate, associate, or bachelor's degree at an eligible institution of higher education.

Scholarship renewal is not automatic. The scholarship may be renewed as long as the recipient is enrolled as a full-time student in an eligible institution of higher education; is pursuing a certificate, associate, or bachelor's degree in engineering, science, or technology; maintains satisfactory progress according to that institution; and submits an application by the deadline.

Highlights:

- ▶ The number of Engineering, Science, and Technology (WV STEM) Scholarship recipients decreased from 264 in the 2022-23 academic year to 251 in 2023-24. The total amount awarded also decreased during this period, from \$749,215 in 2022-23 to \$720,681 in 2023-24.
- ▶ Recipients received an average award of \$2,871 in 2023-24, an increase from \$2,828 the year before.
- ▶ Most recipients, 92.4 percent, attended a public four-year institution, with West Virginia University enrolling 63.7 percent of the total recipients and Marshall University enrolling 17.1 percent.

Total Engineering, Science and Technology Scholarship Recipients, Awards, and Average Award, 2019-20 to 2023-24

	2019-20	2020-21	2021-22	2022-23	2023-24
Recipients	250	233	253	264	251
Awards	\$717,006	\$662,027	\$705,344	\$749,215	\$720,681
Average Award	\$2,868	\$2,841	\$2,788	\$2,838	\$2,871



<https://www.wvhepc.edu/resources/data-and-publication-center/>

Exploring and Analyzing Statewide Higher Education Data

| 5/21/2025 | 13



The Health Sciences report provides data on students going into medical, dental and pharmacy programs within the state

2024 WEST VIRGINIA

HEALTH SCIENCES

AND RURAL HEALTH REPORT



WEST VIRGINIA HIGHER EDUCATION POLICY COMMISSION

Marshall University Joan C. Edwards School of Medicine



ENTERING CLASS ADMISSION RATE

	2023-2024	2022-2023	2021-2022	2020-2021	2019-2020
In-State					
Acceptances/Applicants	71/161	86/151	103/199	95/209	88/190
Admission Rate	44%	57%	52%	45%	46%
Out-of-State					
Acceptances / Applicants	68/1,680	32/1,765	25/2,123	15/1,922	29/2,015
Admission Rate	4%	2%	1.2%	0.8%	1%
Total Acceptances / Applicants	139/1,841	118/1,916	128/2,322	110/2,131	117/2,205
Total Admission Rate	7.5%	7%	6%	5%	5%

ENTERING CLASS ACADEMIC QUALIFICATIONS

	2023-2024	2022-2023	2021-2022	2020-2021	2019-2020
Mean GPA	3.8	3.66	3.63	3.61	3.65
Mean MCAT® (New Version)	505	503	504	502	502

ACADEMIC YEAR DATA

		2023-2024	2022-2023	2021-2022	2020-2021	2019-2020
First Year New Enrollment	In-State	41	59	63	69	63
	Out-of-State	31	21	17	11	17
	Total	72	80	80	80	80
Total Graduates		56	79	69	74	79
Total Medical Students		290	330	321	315	335
Tuition and Fees	In-State	\$25,615	\$24,376	\$24,324	\$24,004	\$23,904
	Out-of-State	\$59,198	\$57,734	\$57,682	\$56,788	\$54,772

<https://www.wvhepc.edu/resources/data-and-publication-center/>

Exploring and Analyzing Statewide Higher Education Data

| 5/21/2025 | 14

Requesting and Analyzing Statewide Data

Providing requested data



Data request process



Identify questions and select data

Resources and Publications



- Institutional Authorization (PDF) [📄](#)
- Academic Common Market (PDF) [📄](#)
- General Studies and Course Equivalency Transfer Agreement (PDF) [📄](#)
- Advanced Placement Guide (PDF) [📄](#)



- Data and Research Requests
- **File Specs and Reporting Calendar**
- Report and Publication Archive

	A	B	C	D
24	Students who continued to be enrolled after your internal deadline for spring enrollment, and subsequently dropped/withdrew from all courses should be included, with the "W" code in the "Withdrawal, End of Term" field (#31).			
25				
26				
27				
28	NOTE:			
29	In order to minimize changes at the institution level during the creation of the file submission data, any fields listed as "Filler" can continue to be populated with values that you have used in the past, although those columns will no longer be evaluated by the FileSub application. You may also use any alphanumeric character(s) to maintain the spacing of the fixed format submission file.			
30	Field Number	Column	TITLE	Date Revised
31	1	1-2	Institutional Code Number	Revised May 2005
32	2	3-7	Reporting Year and Semester	Revised July 2004
33	3	8-16	Student's SSN	
34	4	17-18	Campus Code	Revised July 2004
35	5	19	Health Science Indicator	
36	6A	20-31	Student's Last Name	
37	6B,6C	32-33	Student's 1st & 2nd Initial	
38	7	34-39	Month, Year of Birth	
39	8	40	Gender	
40	9	41	Filler-was Race	Revised June 2009
41	10	42	Citizenship	
42	11	43-44	County of Residence	
43	12	45-47	State or Foreign Country	Revised July 2016, June 2017, June 2023 (effective Summer 2023 submission)
44	13	48-55	Student's Degree Objective	Revised May 2009, July 2015, June 2020, July 2023
45	14	56-61	Filler	
46	15	62	Filler-was Career Technical	Revised June 2022
	16	63	Student Level	Revised May 2009, June 2020, June 2023 (Clarification), June 2024

Student

Registration

Course

Workload

Schedule

FinAid

Student

Registration

Course

Workload

Schedule

FinAid

Personnel

Graduation

Applicant

Submit data request form and discuss

Resources and Publications



- Institutional Authorization (PDF) [📄](#)
- Academic Common Market (PDF) [📄](#)
- General Studies and Course Equivalency Transfer Agreement (PDF)
- Advanced Placement Guide (PDF) [📄](#)



- **Data and Research Requests**
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Research Proposal Application

Last Modified May 5, 2025

The West Virginia Higher Education Policy Commission (Commission) has developed a process whereby external researchers may request extant data from Commission to conduct research and program evaluation studies germane to postsecondary education.

All individuals or organizations requesting access to these data must complete this Research Proposal Application and submit it to the Commission's Division of Policy and Planning. If the project is approved and the data requested are available, a Data Disclosure Agreement will be developed and must be signed prior to the release of any potentially identifiable student data. Please complete each section of the application fully. If any fields are left blank, the application will not be considered.

Section I. Your Contact Information

Name of Principal Investigator or Requestor:	
Organization (If applicable):	
Phone Number:	
Email Address:	
Address:	
City:	
State:	
Zip Code:	
Today's Date:	

Section II. Additional Investigators

1. List the names, contact information, and role of any additional investigators participating in the research that will have access to the data requested.

Research role			
<input type="checkbox"/> Co-Researcher	<input type="checkbox"/> Professional/Technical Staff	<input type="checkbox"/> Support Staff	<input type="checkbox"/> Other – Explain
Name		Email	
Research role			
<input type="checkbox"/> Co-Researcher	<input type="checkbox"/> Professional/Technical Staff	<input type="checkbox"/> Support Staff	<input type="checkbox"/> Other – Explain
Name		Email	
Research role			
<input type="checkbox"/> Co-Researcher	<input type="checkbox"/> Professional/Technical Staff	<input type="checkbox"/> Support Staff	<input type="checkbox"/> Other – Explain
Name		Email	

1

Section III. Data Privacy and Limitations

2. The Family Educational Rights and Privacy Act (FERPA) permits an educational agency or institution to disclose information containing personally identifiable information (PII) as long as the disclosure meets one or more of the conditions prescribed in 20 U.S.C. § 1232g(b) and (h) – (j) and 34 CFR § 99.31. The Privacy Technical Assistance Center has created a high-level document detailing these exceptions. Please review the exceptions in the link below prior to submitting an application.

Please note that some data is governed by additional data privacy and protection laws such as the Higher Education Act of 1965 (HEA), the Gramm-Leach-Bliley Act (GLBA), and the Health Insurance Portability and Accountability Act of 1996 (HIPAA) and the Commission may or may not be permitted to disclose these data.

https://studentprivacy.ed.gov/ferpa#0.1_sp34.1.99.d

Provide a clear description of how your project fits into the FERPA permitted exceptions.

Section IV. Background Information About Your Project

1. What is the title of your study?

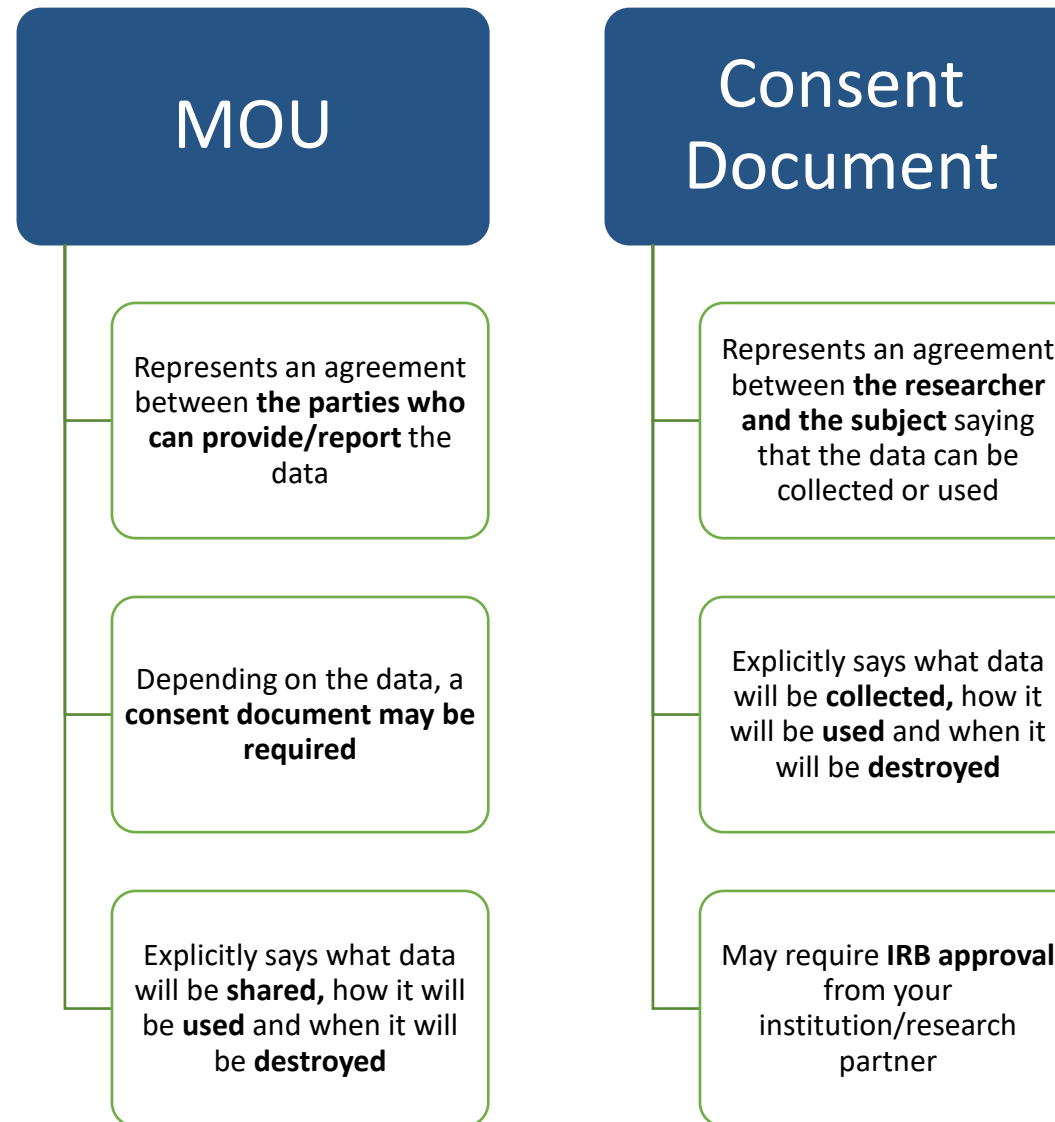
2. Provide a brief overview of the objectives of your study (please summarize each objective succinctly). If you have hypotheses you will be testing, please list them here.

3. When do you anticipate beginning and completing your research project?

Project Start Date:		Project End Date:	
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2

Create an MOU and/or consent document



Templates for these documents can be provided

Analyze and share results



Questions?

Contact us!



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