



Defense Associated Graduate Student Innovators  
AT STRATEGIC OHIO COUNCIL FOR HIGHER EDUCATION

## SINCE 2004

453

Total Collaborative Projects

330

Fully Funded by DAGSI

75

Fully Funded by AFRL

49

Funded by DAGSI and AFRL

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## OHIO UNIVERSITIES

Involved in Collaborative Projects  
with AFRL through DAGSI

- Air Force Institute of Technology
- Bowling Green State University
- Case Western Reserve University
- Miami University
- Ohio University
- The Ohio State University
- University of Akron
- University of Cincinnati
- University of Dayton
- University of Toledo
- Wright State University

## DAGSI FUNDING

- 26 consecutive years of Ohio funding since 1996.
- Increase student stipends to remain competitive.
- Leverage the increase in demand for graduate student research by AFRL.
- Fund more projects annually to develop research talent to meet AFRL and Ohio high-tech workforce needs.
- 2023-2025 state funding requirement of \$2.2M/yr.

"This program continues to exceed our objectives and is bringing tangible value to AFRL." - Mick Hitchcock, AFRL/SB

## CLOSING OHIO'S WORKFORCE GAP

70%  
(115/162)

of DAGSI graduates are  
employed throughout Ohio.

20%  
(23/115)

of these graduates are  
employed by AFRL.

23.5%  
(27/115)

of these graduates are  
employed by Ohio  
Universities.

56.5%  
(65/115)

of these graduates are  
employed by other companies  
throughout Ohio, such as:

- Booz Allen Hamilton
- GE Aviation
- Lexis Nexis
- NASA Glenn
- P&G

30%  
(50/165)

of DAGSI graduates are employed in  
states other than Ohio.

## **AFRL/DAGSI Research Program Success Measures (6/6/2022)**

- Program was first funded by Ohio in 1999, with 453 projects sponsored to date
- Research is undertaken by students and faculty on topics defined by AFRL, using AFRL and university facilities and resources
- Program is open to teams from any Ohio research university
- State funding totals \$44.5 million since 1999
- 1999-2003 (Total of \$16.2 million in State funding): 48 collaborative projects funded, with approximately 200 Ohio faculty and 230 students involved
- 2004-present (\$1.6 million/yr state funding in FY21): 330 projects awarded DAGSI funding in the annual competitive round, each fellowship supporting one student and one faculty member
- 70% of graduates are employed in Ohio industry, academic, and government lab positions
- AFRL has hired at least 23 students who held AFRL/DAGSI fellowships, plus many others working for local businesses that contract with AFRL
- The first AFRL/DAGSI Cooperative Agreement was signed in August of 2012, providing a vehicle for cost share by AFRL
  - Almost \$3 million was obligated by AFRL
  - 54 projects have received AFRL funding; including 23 that have been fully funded by AFRL
- The new AFRL/DAGSI Cooperative Agreement was signed in January of 2019, providing a vehicle for cost share by AFRL and opening funding opportunities for graduate and undergraduate interns across AFRL
  - To date more than \$5.1 million has been obligated by AFRL
  - 70 projects have received AFRL funding; including 52 that have been fully funded by AFRL
    - Out of state funded projects through:
      - Georgia Tech Research Corporation
      - University of Kansas Center for Research
      - Tennessee Technical University
      - Texas A&M University
      - University of Illinois at Urbana-Champaign
      - University of Connecticut
- Summer 2020 marked the beginning of the SOCHE Intern program in AFRL
  - To date, more than \$632K has been obligated
  - Total of 58 interns in AFRL/RG, AFRL/RH, AFRL/RQ and AFRL/RV

## **DAGSI HISTORICAL DATA**

(ODHE FUNDED PROGRAMS – 6/6/2022)

### **SCHOLARSHIP/FELLOWSHIP PROGRAM**

- Awards made 1995-2008
- AFIT, UD, WSU

	AFIT	UD	WSU	TOTAL
FELLOW	11	9	17	37
ASST	30	74	82	186
PHD	69	139	108	316
MS	153	223	212	588
TOTALS	263	445	419	1127

Total over \$33.3M

### **PROGRAM ENHANCEMENTS**

- Cross registration scholarships
- Given on case by case basis to encourage cross registration
- AFIT, UD, WSU
- Approx. 375 students
- Approx. \$960k total awarded

### **JOINT AFRL/DAGSI RESEARCH PROGRAM**

- FY99-03
- Open to any Ohio research university
- \$16.2M in ODHE funds
- 48 projects
- Approx. 200 faculty and 230 students
- Participating universities: AFIT, UD, WSU, OSU, UC, MU, Kent St., UT, OU, CWRU

### **OHIO STUDENT-FACULTY RESEARCH PROGRAM**

- 2004 to present
- Open to any Ohio research university
- Over \$44.5M awarded to date
- 378 projects
- Over 750 faculty and students supported
- Participating universities: AFIT, UD, WSU, OSU, UC, BGSU, CWRU, MU, UA, UT, OU

## **DAGSI HISTORICAL DATA**

(AFRL FUNDED PROJECTS – 6/6/2022)

### **AFRL/DAGSI Cooperative Agreement – FA86550-12-2-7248**

- August 15, 2012 to March 15, 2020
- Open to any Ohio research university
- Total of \$2,991,936 awarded
- 54 projects
- Over 110 faculty and students supported
- Participating universities: The Ohio State University, Wright State University, University of Dayton, University of Cincinnati, University of Akron, Miami University

### **AFRL/DAGSI Cooperative Agreement – FA87650-19-2-9300**

- January 31, 2019 to present
- Open to any US research university
- Over \$5.1M awarded to date
- 70 projects
- Over 140 faculty and students supported on research projects
- Participating Ohio universities: Wright State University, Miami University, The Ohio State University, University of Dayton, University of Cincinnati
- Participating universities outside of Ohio: Georgia Tech Research Corporation, University of Kansas Center for Research, Tennessee Technical University, Texas A&M University, University of Hawaii, University of Illinois at Urbana-Champaign
- Internship Program:
  - RQ – 31
  - RY – 9
  - RQ – 4
  - RH - 14