

**Youngstown State University
Appropriation Requests FY2010
Congressmaen Ryan and Wilson, Ranked by YSU**

1. STEM – Advanced Nanocomposite Materials for Lightweight Integrated Armor Systems.

- Federal request: \$4.4 million
- YSU match: \$4.4 million – In-kind: Ohio 3rd Frontier Wright Project (State funds @ \$2.1 million), YSU & Fireline TECON match for Wright Project (Committed at \$2.1 million), New in-kind for reallocated graduate assistants @ \$200,000 – committed by Dean Abraham

2. STEM – Solar-driven Bioreactor for CO2 Capture (To Congressman Wilson’s Office).

- Federal request: \$500,000
- YSU match: Undefined match of student and faculty time, and equipment resources – committed by Dean Abraham.

3. STEM – Advanced Automotive Fuels Research, Development, & Commercialization Cluster.

- Federal request: \$1.5 million
- YSU match: \$1.5 million – 3rd Frontier Capital Funds (Catacel) \$550,000. Also in-kind for student, faculty, and staff time (dependent upon amounts awarded and submitted external proposals), for facilities and equipment (\$150K), and Industrial partners (\$50K) – committed by Dean Abraham.

4. College of Education – Attention Enhancement and Sensory Integration for Learning Skills.

- Federal request: \$110,160
- YSU match: \$110,965 – In-kind: Released time for faculty (\$13,195), and secretary (\$5,520), participating school teacher time (\$84,000), travel (\$3,000), supplies and student wages (\$5,250) – Committed by Dean Ginnetti.

5. HHS – Degree Attainment for Health Professionals through Distance Learning.

- Federal request: \$501,858
- YSU Match: \$501,858 as in-kind faculty and staff time – committed by Dean Elias.

6. STEM – CyberLabNet 2.0 - YSU Defense Industrial Innovation Center for CyberTechnology Research, Development, & Commercialization – This request is a renewal/continuation request based on significant progress on initial funding.

- Federal request: \$6,524,082
- YSU match: \$5.1 million as in-kind student, faculty, and staff time, facilities and equipment, and new grants (state and private); also Ohio Super Computer Center and industrial partner contributions (\$1.4 million). All YSU match is contingent and please note that this is currently funded by DOD and that agency requires no match.

7. STEM – YSU Alternative Energy Technologies Teaching/Research Center.

- Federal request: \$5,692,700
- YSU Match: \$505,000 as in-kind student, faculty and staff time, facilities and equipment; and tuition associated with educational programming – committed by Dean Abraham.

8. STEM – Metrology 2.0 - Defense Center of Excellence in Industrial Metrology, 3D Imaging, & Analytical Data Fusion – This request is a renewal/continuation request. The initial award has recently been received and no work has been completed as yet on the current funding cycle.

- Federal request: \$7,687,054
- YSU match: \$7.7 million as in-kind student, faculty, and staff time, facilities and equipment, and new grants (state and private); also Ohio Super Computer Center and industrial partner contributions (\$2.2 million). All YSU match is contingent and please note that this is currently funded by DOD and that agency requires no match.

9. STEM – YSU Alternative Energy Technologies Teaching Laboratory.

- Federal request: \$2,220,200
- YSU match: \$505,000 as in-kind student, faculty and staff time, facilities and equipment; and tuition associated with educational programming delivered as part of the project – committed by Dean Abraham.

10. HHS – YSU/Mahoning Valley Forensic Toxicology Laboratory – This project has the advantage of significant research additions to the College of Health and Human Services and will also be supported by improved research interactions between HHS and STEM.

- Federal request: \$3,235,000
- YSU Match: \$3,235,000 as in-kind support through space renovation (\$335K), graduate assistants (New - \$200,000), faculty line (Forensics - \$110,000), state technical staff (\$90,000), tuition and associated fees (\$2.0 million) for courses delivered as part of the project, and outside user fees (\$500K) – committed by Dean Elias.