



2017 STEM Teacher Recruitment Fund Grant Recipients

Conexus - \$171,130

- Conexus will recruit and train up to 40 Indiana teachers to teach Conexus' advanced manufacturing and logistics curriculum 'Hire Tech' and provide continuing professional development to up to 150 current Hire Tech teachers. Statewide, more than 200 schools have access to 'Hire Tech'. Conexus will continue to build on 'Hire Tech' growth, and through the grant period will have trained over 200 new STEM teachers serving students from 220 Hoosier public schools.

Independent Colleges of Indiana (ICI) - \$2,156,289

- STEM Teach III will address the dual-credit credentialing crisis in STEM content area by allow STEM dual-credit teachers with the opportunity to complete the credit hour coursework necessary to meet the Higher Learning Commissions' (HLC) dual-credit teacher requirements. ICI, in partnership with the Center of Excellence in Leadership of Learning (CELL) will bring together independent and public colleges and universities to offer graduate courses to in-service teachers for dual-credit credentialing.

Nextech - \$289,705

- Nextech will recruit, train and support over 200 new K-12 educators to equip them with content knowledge and resources necessary to deliver computer science curriculum to over 60 schools in each grant year. Nextech will provide educators with professional development workshops in support of the curriculum and will expand its library of training offerings to include one-day workshops focused on more technical concepts to add knowledge for educators to stay current with both industry trends and student's knowledge.

Purdue Research Foundation (three programs)

- Growing the Pipeline for Agricultural Education Teachers in Indiana - \$58,521
 - The project will continue to bring together Purdue University, Ivy Tech Community College and Vincennes University as partners in providing qualifying Agriculture Education students with tuition funding and mentorship as they work towards their degrees in Education and licensure in Agricultural Education. The 2+2 model (2-year Associate Degree in Agricultural Science at Ivy Tech or Vincennes; transferring to Purdue for completion of an undergraduate Agriculture Education degree) will ensure Indiana has qualified teachers with licensure to teach secondary agricultural science courses.
- Strengthening Indiana's Future through the 21st Century STEM Teachers - \$195,105

- The project will recruit up to 12 prospective teachers from diverse backgrounds who are pursuing a degree and career in K-12 STEM teaching and provide them with scholarships. Along with 13 current scholarship recipients, the project will help prepare future educators to teach STEM disciplines through integrated STEM approaches in K-12 classrooms in Indiana.
- STEM Teacher Retention Through Mentoring- \$531,789
 - This project, a partnership between I-STEM Resource Network at Purdue University and the University of Southern Indiana, Indiana University – Purdue University Fort Wayne, the University of Notre Dame Center for STEM Education, Butler University and 11 school districts, will continue support of 90 current mentees statewide and add up to 10 new mentees who are in their first five years of classroom teaching; these mentees will be supported by 59 mentor teachers.

Teach for America - \$1,628,367

- Teach for America will recruit, train and support up to 210 STEM teachers for placement in public, charter and turnaround schools in Indianapolis and Northwest Indiana, adding to the 323 STEM-grant supported educators that TFA has placed in Indiana schools since 2013.

University of Southern Indiana Foundation (two programs)

- Teaching Eagles Scholarship Program - \$279,096
 - The program will recruit science and mathematics teacher candidates from college students majoring in STEM fields as well as elementary education majors who want to minor in mathematics and science content. Scholarship recipients are eligible to receive tuition stipends, membership in National Council of Teachers of Mathematics (NCTM) or the National Science Teachers Association (NSTA) and sponsorship to attend one of either organizations' regional conferences.
- New Experiences for Instructors of Dual Enrollment (NExIDE) - \$249,102
 - The NExIDE project will address the need for dual-credit teachers in Southwest Indiana to meet Higher Learning Commission (HLC) credentialing requirements. USI will offer graduate-level course rotations in the Department of Mathematics, Department of Biology, Department of Chemistry and Department of Geology and Physics for secondary mathematics and science teachers to complete the HLC required 18 graduate hours in the STEM fields.

Project Lead The Way - \$829,098

- Project Lead The Way (PLTW) will use 100% of awarded funds to provide Core Training Tuition grants to schools and districts seeking to increase the number of teachers trained to teach PLTW's hands-on, Activity-, Project- and Problem-based (APB) STEM curriculum. Core Training Tuition grants will offset the cost of more than 600 teacher professional development opportunities for Indiana K-12 teachers, preparing them with the training and resources needed to teach PLTW's STEM courses and content.

Hoosier STEM Academy - \$1,582,584

- Ball State University, Indiana University – Purdue University Indianapolis (IUPUI), Purdue University and Valparaiso University will partner to establish a new program for in-service teachers wishing to

credentialed to teach dual credit secondary, to continue a pre-service STEM teacher fellow program each university participated in as part of the Woodrow Wilson Indiana Teaching Fellowship Program, and to expand graduate-level STEM course offerings to serve both groups. Pre-service will have opportunities to complete six or more credit hours of graduate-level STEM content course as a path to receiving a credential to teach dual-credit secondary STEM courses. Hoosier STEM Academy pre-service teaching fellows will receive a stipend to pursue a one-year master's degree in education with a STEM focus at an Academy partner institution and commit to three years of teaching in an underserved Indiana public school or one facing a shortage of qualified STEM teachers.

University of Evansville - \$113,551

- The University of Evansville will expand the 'Teaching Aces' program and will license up to 10 additional teachers in math and science fields by providing tuition scholarships to Transition to Teaching students. New Transition to Teaching students will have access to both orientation and math and science education mentoring programs. The University will also develop a STEM professional development initiative for up to 20 current, licensed Southwest Indiana elementary education teachers and undergraduate elementary education majors.

University of Indianapolis - \$262,801

- UIndy's "Teach Today, Transform Tomorrow" program will recruit students for its new Elementary Education STEM Teacher Program. Candidates will be recruited during 2017 and the freshman class will start in August of 2018. The class will receive a \$10,000 renewable stipend and must graduate with a STEM-focus education degree. UIndy will work with surrounding Indianapolis school districts to identify, recruit and invest in students who have excelled in STEM coursework and who have a predisposition toward teaching. The University will reach out to first-generation and underrepresented high school students by joining the Center of Excellence in Leadership of Learning (CELL) high school network meetings and work with high school teachers to identify candidates with the potential to attend college, graduate and teach STEM at the elementary school level.

Indiana University Foundation (three grants)

- Dual-Credit STEM pipeline - \$869,949
 - Indiana University will be working on establishing a long-term, sustainable solution for dual-credit credentialing and teacher preparation to meet current Higher Learning Commission (HLC) dual-credit teacher credentialing requirements. The University will provide graduate courses, teacher stipends and development support for over 200 Advance College Project (ACP) licensed in-service teachers who currently do not possess HLC qualifications to teach STEM dual-credit courses. Along with grant funds, IU will contribute 23% to the initiative. Over 600 course enrollments will be available in Math, Chemistry, Biology and Informatics, with teachers earning an average of 10 credits.
- Growing Tomorrow's STEM Teachers (GTST) - \$240,394
 - Indiana University Southeast will address a regional need for an increase in the number of in-service teachers who are credentialed to teach dual-credit course in high school STEM areas. GTST will recruit and increase the percentage of qualified dual-credit STEM teachers to meet

HLC requirements and recruit new pre-service teachers in Math, Science and Technology into teacher education through the University's new accelerated post-baccalaureate secondary education program "Advance to Teaching".

- SEISTEM, the SouthEast Indiana STEM Project - \$143,359
 - The SouthEast Indiana STEM project (SEISTEM) will increase science and math content knowledge of teacher in rural areas of Southeastern Indiana and in high-poverty schools where there is a shortage of license math and science teachers. The project will provide opportunities for in-service and pre-service teachers licensed or seeking licensure in non-SEM areas to develop the content knowledge necessary to obtain fifth thru ninth grade licensure.