

OCSE FUSE Awards Spring 2017			
Student	Faculty Mentor	Department	Title
Joseph Aroh	Chris Byrne	SEAS (Mechanical Engineering)	Comparing the Deformation Rates of High Grade Alloys for an Ever-Evolving Automobile Industry
Enes Atici	Ajay Srivastava	Biology	Analysis of Cathepsin-L in Hemocyte Development and Wound Healing
Mark Carrender	Bangbo Yan	Chemistry	Synthesis and Structures of Lanthanide Niobate compounds and their Luminescent Properties
Trason Carter	Ali Er	Physics and Astronomy	Synthesizing Thin Films and Quantum Dots through UHV Pulsed Laser Deposition
Rachel French/ Arjun Kanthawar/ Nikhil Krishna	Richard Schugart	Mathematics	Using Mixed Effects Modeling to Quantify Differences between Patient Groups with Diabetic Foot Ulcers

Olivia Gearner	Keith Philips	Biology	Systematics and Evolution of Bostrichoidea (Coleoptera)
Jordan Gregory	Elizabeth Lemerise	Psychological Sciences	How Does Classroom Context Affect Head Start Teachers' Use of Cognitively Challenging Talk?
Brent Harney	Nancy Rice	Biology	Potential Binding Partners for γ -181
Heidi Hruska	Kevin Williams	Chemistry	Improving Solubility and Altering Reactivity of Platinum (II) Anticancer Complexes
Ruth Hughes	Steve Huskey	Biology	The Kinematics of Envenomation by Yellow Stingrays
Rachel Kaiser	Jason Polk	Geography and Geology	Assessing Stormwater Impacts on Water Quality in an Urban Karst-fed Lake
Sherafghan Khan	Edwin Stevens	Chemistry	Investigation into the Crystal Structure of 1-Methyl-2-Mercaptoimidazol and 6-Propyl-2-Thiouracil
Barnabas Kim	Moon-Soo Kim	Chemistry	Utilizing beads and DNA binding proteins for detection of pathogen-specific DNA sequence
Carson King	Gordon Emslie	Physics and Astronomy	Assessment of the Variation of X-Ray Source Sizes in Solar Flares
Katherine Love	Martin Stone	Agriculture	A Novel Tool for Assessing Biological and Economic Liability of Ash Trees at the Baker Arboretum: Implications for Regional Management
Christopher McDaniel	Nancy Rice	Biology	Methylation of the angiotensin converting enzyme (<i>ACE</i>) gene in normotensive versus hypertensive East Africans

Jeffrey Powers	Amy Brausch	Psychological Sciences	The association between nonsuicidal self-injury and substance use in college students
Allison Rinne	Andrew Mienaltowski	Psychological Sciences	General Correlative Emotion in Older and Young Adults
Tosha Shokes	Jarrett Johnson	Biology	Site selection by the marbled salamander based on substrate pH
Jubilee Sneed	Gordon Smith	SEAS	Recyclable Water Filters
Chandler Staggs	Jeffrey Galloway	SEAS (Computer Science)	Generating Utilities and Virtualization for QIIME