

Named #1 most innovative public university  
in the U.S. by Reuters in 2017.

The University of Washington is a global leader in education and research and the world's most innovative public university. From new molecules and materials to novel therapies and efficient energy systems, UW Chemical Engineering provides cutting-edge solutions to today's most pressing societal problems.

Faculty and students play key roles at flagship interdisciplinary centers, including the Molecular Engineering and Sciences Institute, the Clean Energy Institute, the Institute for Nano-Engineered Systems, the Molecular Engineering Materials Center MRSEC, and the new Center for the Science of Synthesis Across Scales EFRC.

The department has recently introduced a strategic initiative in Data Science, and offers a transcribed Data Science option to PhD and MS students.

Our alumni and faculty have launched companies and are industry leaders and prominent academic scholars.

#### **ENERGY SYSTEMS**

ADLER | CAO | HILLHOUSE | HOLMBERG | JENEKHE  
POZZO | SUBRAMANIAN | SCHWARTZ | STUVE | YU

Photovoltaics, Energy polymers  
Electromechanical conversion  
Energy storage, Fuel cells  
Energy systems management

#### **BIO-BASED SYSTEMS**

DEFOREST | JIANG | NANCE  
POSNER | POZZO | RATNER

Regenerative medicine  
Neuromedicine  
Nanomedicine

BANEYX | BECK | CAROTHERS | DEFOREST  
LIDSTROM | PFAENDTNER

Metabolic engineering, Synthetic biology  
Systems biology, Biomolecular engineering  
Bioconversions & biofuels

#### **INTERFACIAL ENGINEERING**

BANEYX | BERG | CASTNER | DEFOREST  
HILLHOUSE | HOLMBERG | JIANG | NANCE  
POSNER | POZZO | PFAENDTNER | RATNER  
SCHWARTZ | OVERNEY | YU

Biocompatible materials, Antifouling materials  
Bio-inspired materials, Surfaces and interfaces  
Transport properties, Drug delivery  
Nanomaterials, Hybrid materials

# W

UNIVERSITY of WASHINGTON  
**CHEMICAL  
ENGINEERING**  
**KNOWLEDGE  
AND SOLUTIONS  
FOR A CHANGING  
WORLD**



[www.uw.cheme.washington.edu](http://www.uw.cheme.washington.edu)