Vertically Integrated Projects

vip.uw.edu
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APPROACH

Through Vertically Integrated Projects (VIP), undergraduates earn academic credit working on research and design teams. VIP teams include undergraduate students (freshman through senior), graduate students, and faculty. VIP projects address real-world design and research challenges, span multiple years, and are multidisciplinary.

VIP provides the time, context, and mentorship for students to develop technical depth, disciplinary breadth, leadership skills, and communication skills:

- **Time** for students to practice professional skills and experience different roles on a large team
- **Context** for undergraduates to solve real, open-ended research and design problems
- **Mentorship** from peers and faculty to develop technical and leadership skills and mentor less experienced team members

UW SITE

The UW VIP Program is led out of the College of Engineering. It includes students from engineering, design, architecture, business, and science.

ACADEMIC CREDIT & COMMITMENT

VIP students participate for multiple quarters or multiple years. VIP students typically earn 1-2 credits per quarter. The expected weekly time commitment varies by team; however, 1 credit typically requires 3-7 hours/week and 2 credits typically requires 7-12 hours/week.

RECRUITING

The UW VIP Program recruits each quarter and is open to students of any class standing, major, background, and experience level.

For more details, check out https://vip.uw.edu/joining. Questions can be directed to info@vip.uw.edu.

INTERNATIONAL CONSORTIUM

Georgia Tech founded VIP in 2009. Through funding from the Helmsley Charitable Trust, Georgia Tech created a consortium institutions in 2015. The VIP Consortium currently includes 20 domestic and eight international universities.

TEAMS

3DNAMES
3D Nano-**A**dditive **M**anufacturing of **E**ngineered **S**tructures is designing novel materials, using 3D laser lithography

ccessmap
Developing a navigational tool for people with limited mobility

DAWGMA
Building new strains of microorganisms that can perform novel tasks

UW ECOCAR ADVANCED VEHICLE WORKS
Redesigning a Camaro to reduce energy consumption and emissions

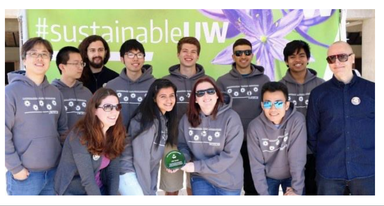
ENGINEERING INNOVATION IN HEALTH
Developing needs-based and human-centered healthcare design solutions

HUSKYADAPT
Creating disability-focused accessible designs and play technology

iGEM
iGEM (International **G**enetically **E**ngineering **M**achine) is advancing synthetic biology

University of Washington iGEM

UW-SOLAR
Designing and installing solar infrastructure on campus



OSREAD
Creating a platform to improve literacy, specifically targeting dyslexia

OSRead

VIP Vertically Integrated Projects

UNIVERSITY of WASHINGTON