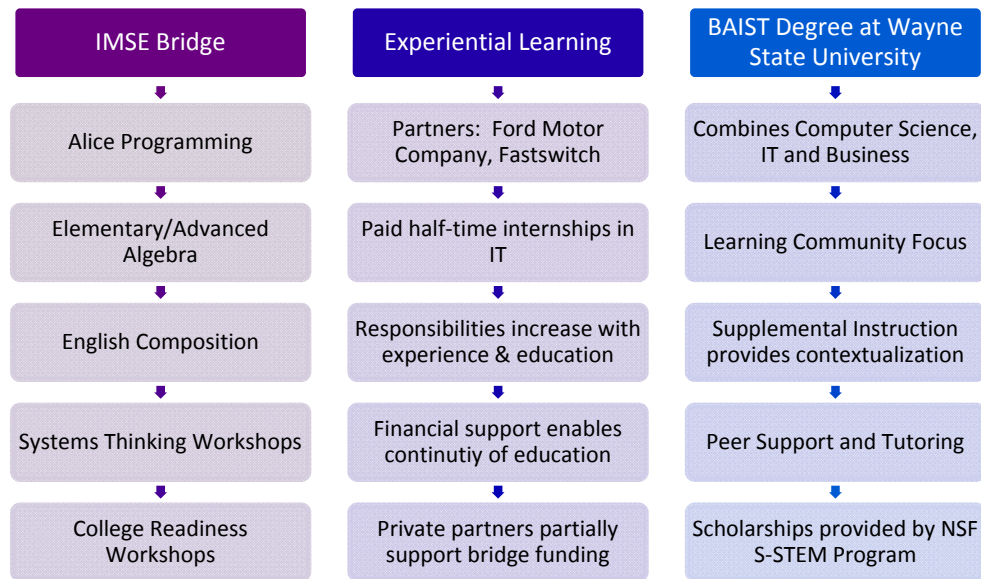


Enabling Success in Computing in Detroit

The Information Management and Systems Engineering Program
bpc.cs.wayne.edu



A collaboration between Wayne State University in Detroit and Focus: HOPE has increased the participation of African-American students in Computer Science courses at Wayne State to 30%, an increase of 36%. This alliance, the Information Management and Systems Engineering (IMSE) program, addresses the severe under-representation of minorities, women, and first-generation college students in the computing and information technology. The program guides and supports disadvantaged students at critical junctures from a GED through the completion of a post-secondary degree.

The IMSE model is comprehensive, integrated, and research-based, leveraging techniques which have been proven to increase engagement, capacity, and continuity for under-represented undergraduate students in the computing and IT disciplines. IMSE was developed in to address a broad spectrum of needs for under-represented and first-generation college students. The IMSE bridge remediates college readiness problems and increases student engagement. The Experiential Learning component provides financial support in the form of paid IT positions as well as provide a real-world business context to the academic program. The students also receive tutoring, peer support and supplemental instruction in the context of a learning community in the department of Computer Science at Wayne State University as they earn their Bachelor of Arts in Information Systems Technology.

The project is supported by a combination of NSF-funding (BPC and S-STEM), Wayne State University support, and private industrial support.

The project currently has 19 students. For more information contact Monica Brockmeyer, 313-577-0662, mab@cs.wayne.edu.



IMSE Student with Peer Instructor



Alice world depicting personal narrative



Third IMSE Bridge Group