

Logic Model

SITUATION

There are not enough qualified minority students in the biological sciences
 The number of latino students enrolled in ACES is not representative of the Illinois population
 Low graduation rates of Latinos
 We are not contributing to prepare the much needed diverse workforce in the biological sciences

Percent Hispanic Population by Region 2000 to 2010
 Hispanic or Latino

Assumptions

Lack of awareness about jobs and careers in biosciences
 Low expectations of Latino students
 Family immediate needs prevent students from applying & staying in college
 Students lack role models & associated mentoring

External factors

Less than 50% of Latino students graduate from high school
 U of I entrance requirements are rigorous
 Many government agencies are replacing and diversifying an aging workforce

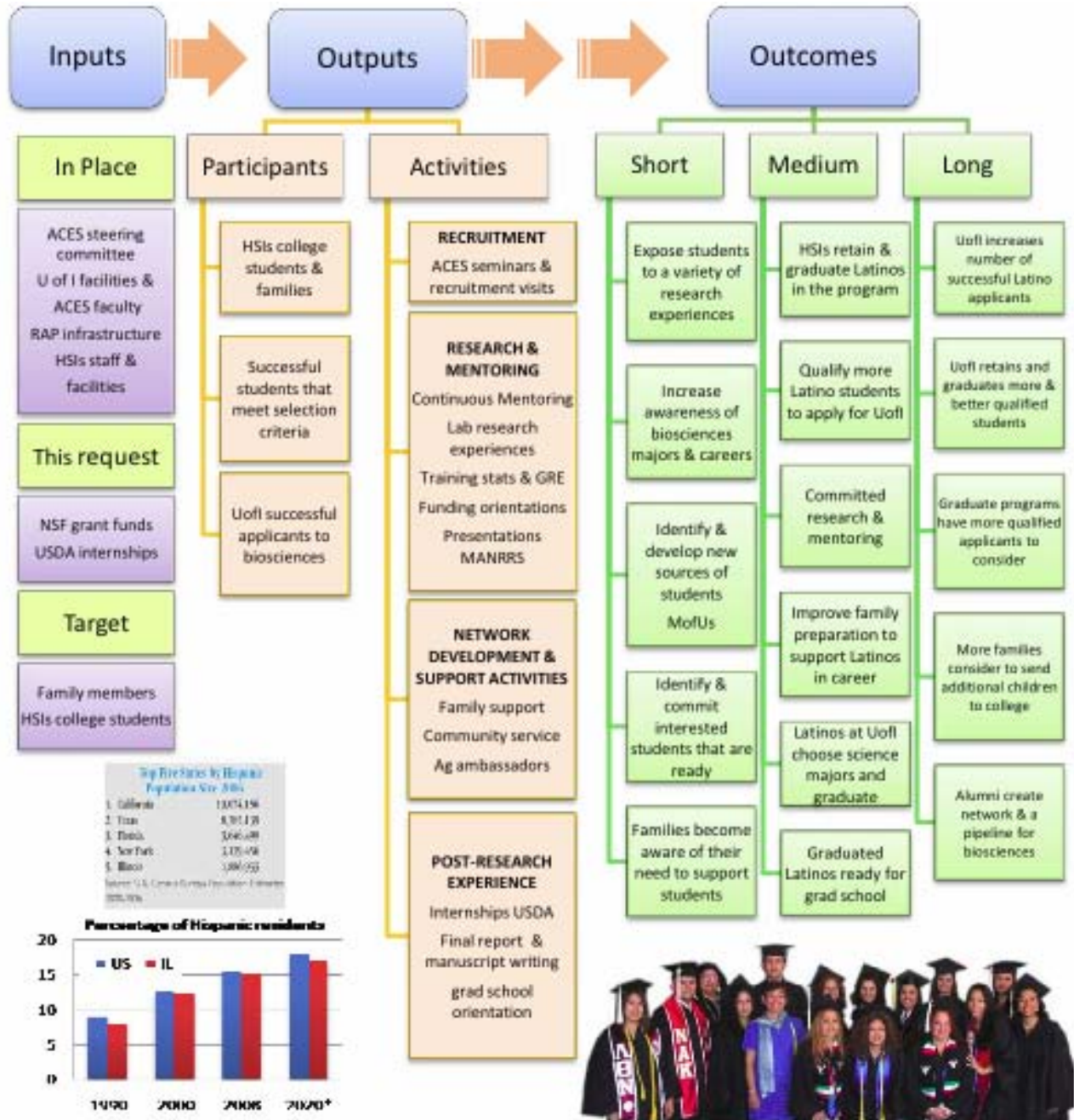


Figure 1. Logic model describing the rationale of our MNB effort to enhance recruitment and retention of minority undergraduate students, especially Latino students, through research in quantitative biology and informatics.