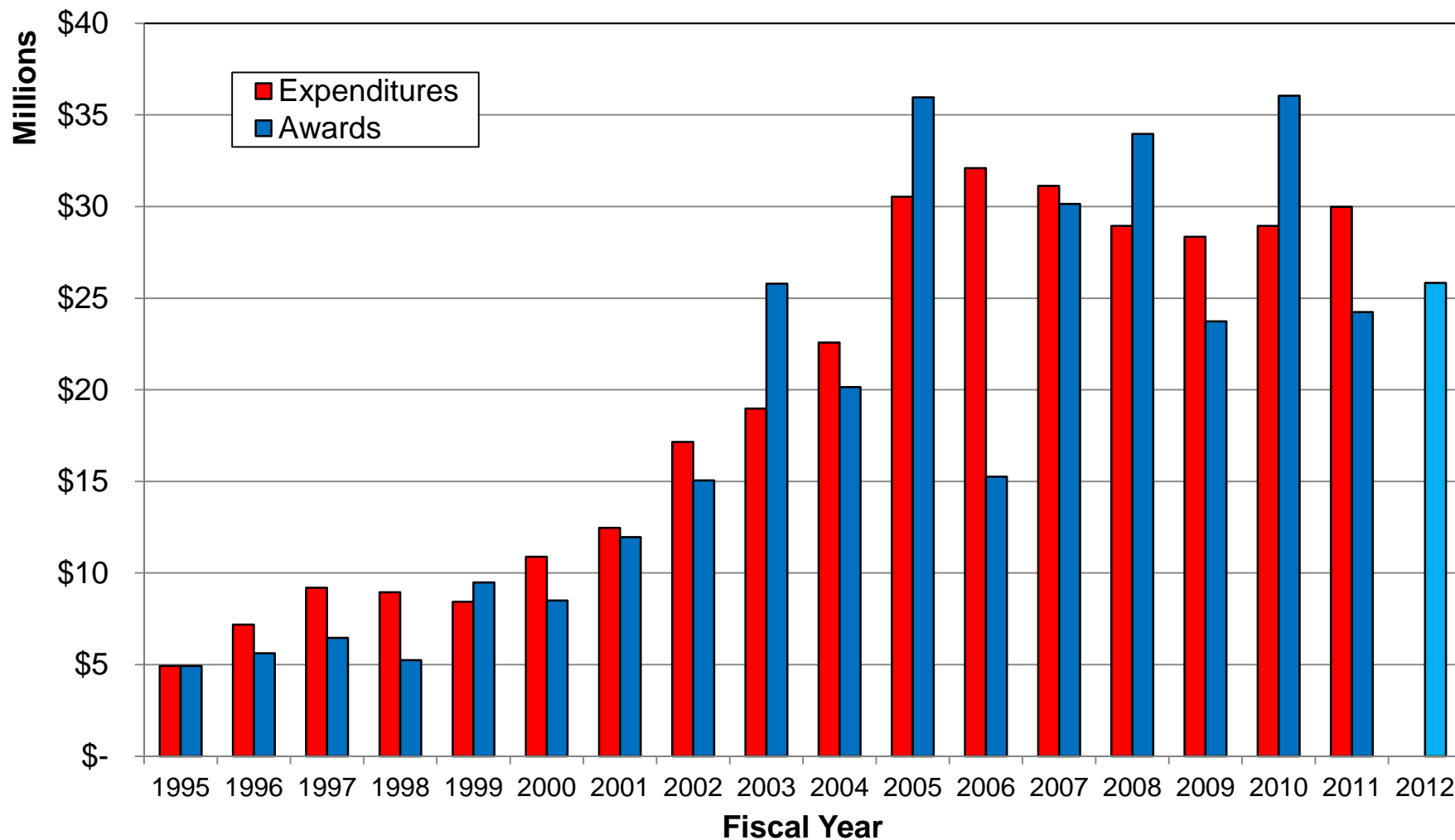




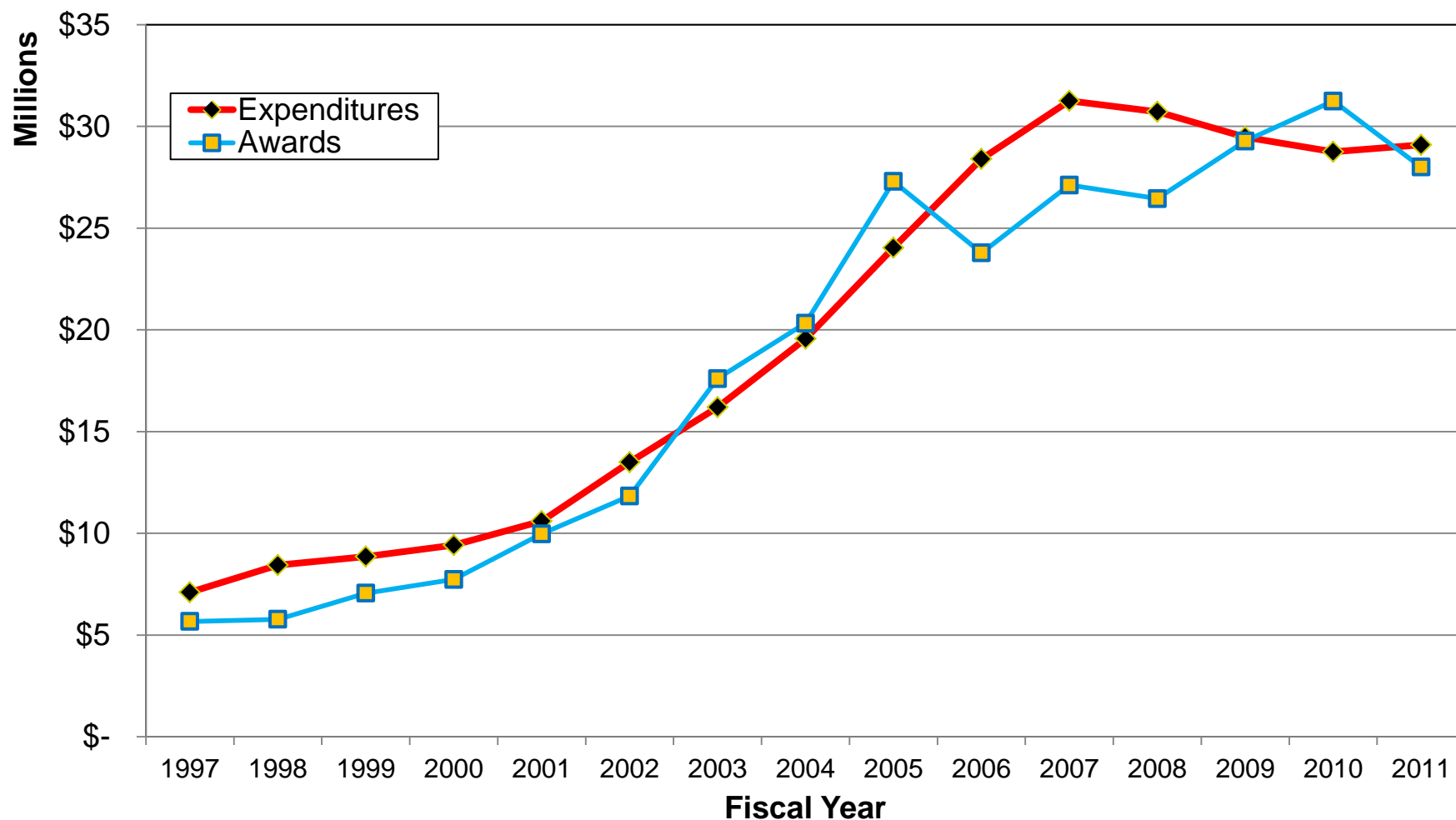
Research & Graduate Education

BCOE Faculty Meeting
June 6, 2012

Research Activity



Research Activity (3-Yr Averages)



Research Activity – 12AY

PIs with >\$500K in Awards

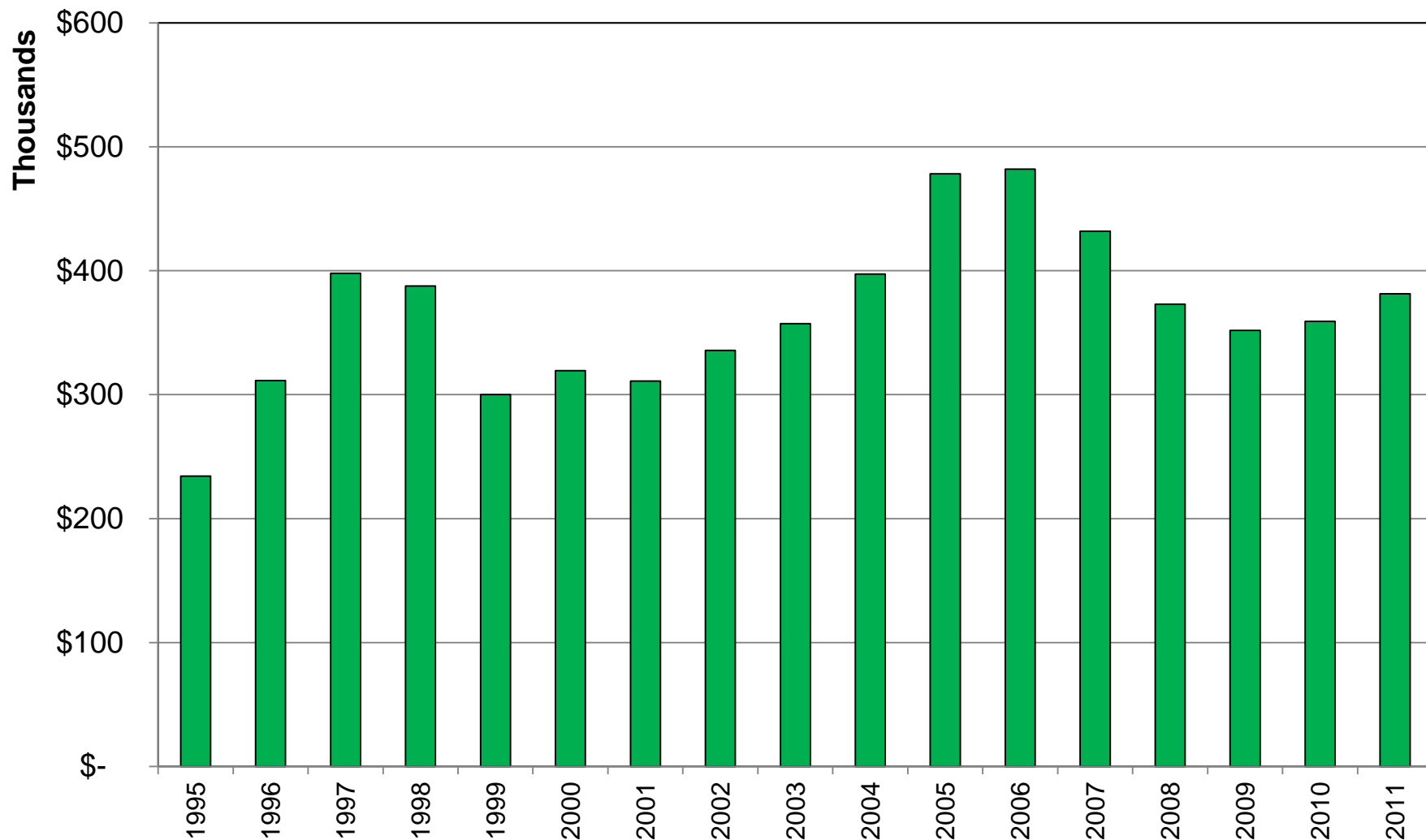
- › Akua Asa-Awuku (CEE, CE-CERT)
- › Alex Balandin (EE)
- › Bir Bhanu (EE, CRIS)
- › Evangelos Christidis (CSE)
- › Tom Durbin (CE-CERT)
- › Kent Johnson (CE-CERT)
- › Eamonn Keogh (CSE)
- › Wayne Miller (CE-CERT)
- › Joe Norbeck (CEE, CE-CERT)
- › C. Ravishankar (CSE, Dean's Office)
- › Amit Roy Chowdhury (EE)
- › Frank Vahid (CSE)
- › Charles Wyman (CEE, CE-CERT)
- › Albert Wang (EE)
- › Zhengyuan (Daniel) Xu (EE)

Research Activity – 11AY

PIs with \$300K-\$500K in Awards

- › Bahman Anvari (BIEN)
- › Matt Barth (EE, CE-CERT)
- › Jay Farrell (EE, CE-CERT)
- › Robert Haddon (CEE, CNSE)
- › George Karavalakis (CE-CERT)
- › Alexander Khitun (EE)
- › David Kisailus (CEE)
- › Alex Korotkov (EE)
- › Anastasios Mourikis (EE)
- › Iulian Neamtiu (CSE)
- › Wei Ren (EE)
- › Sheldon Tan (EE)
- › Vassilis Tsotras (CSE)
- › Sadrul Ula (CE-CERT)

Expenditures per Faculty FTE

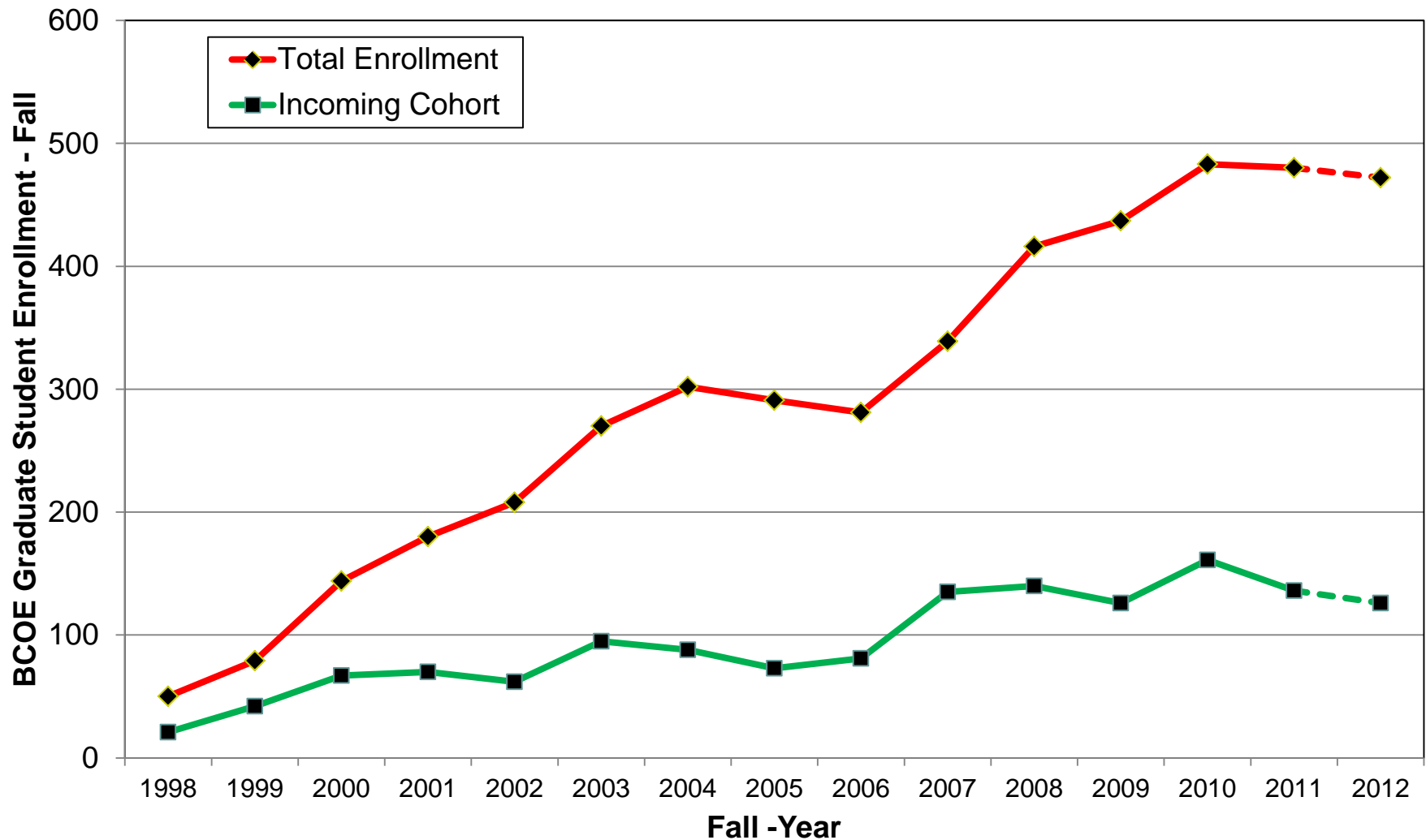


Graduate Education

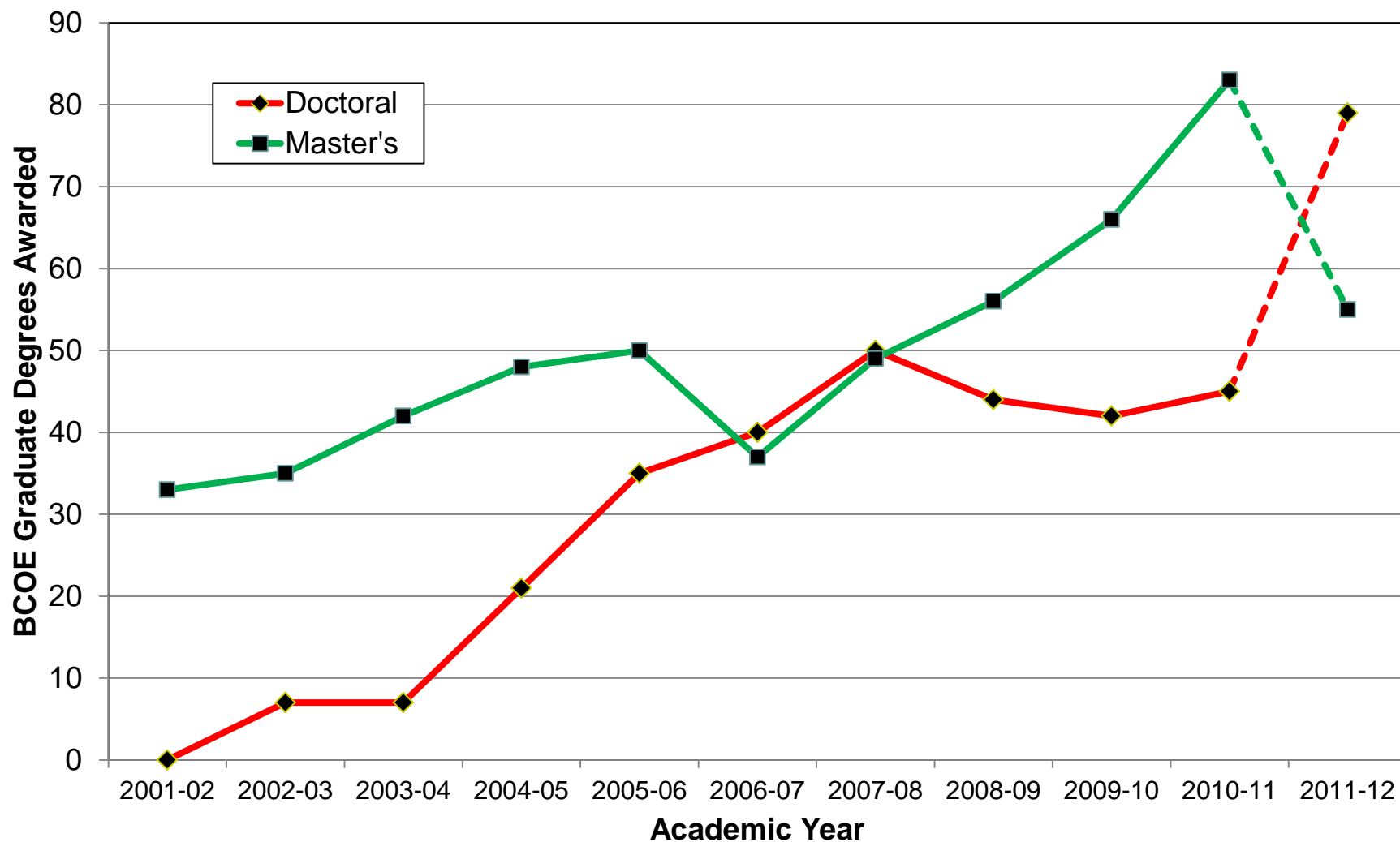
New Programs

- MS/PhD
 - Computer Engineering (MS) – approved by CCGA
 - Engineering (MS, online) - approved by CCGA
- Five-Yr BS/MS
 - Computer Engineering/Computer Science (campus approved)
 - Computer Engineering/Computer Engineering (in process)

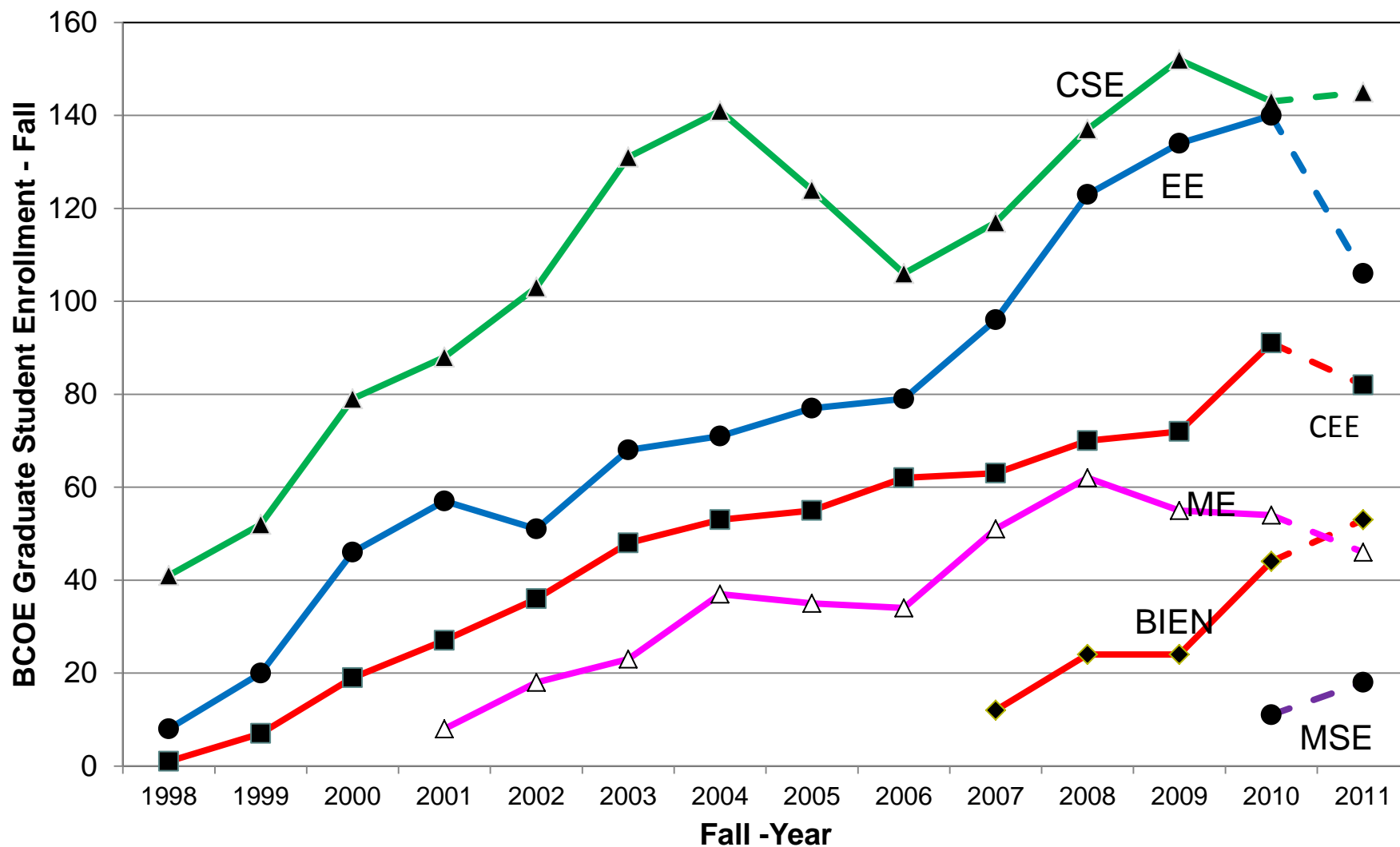
Graduate Student Enrollment



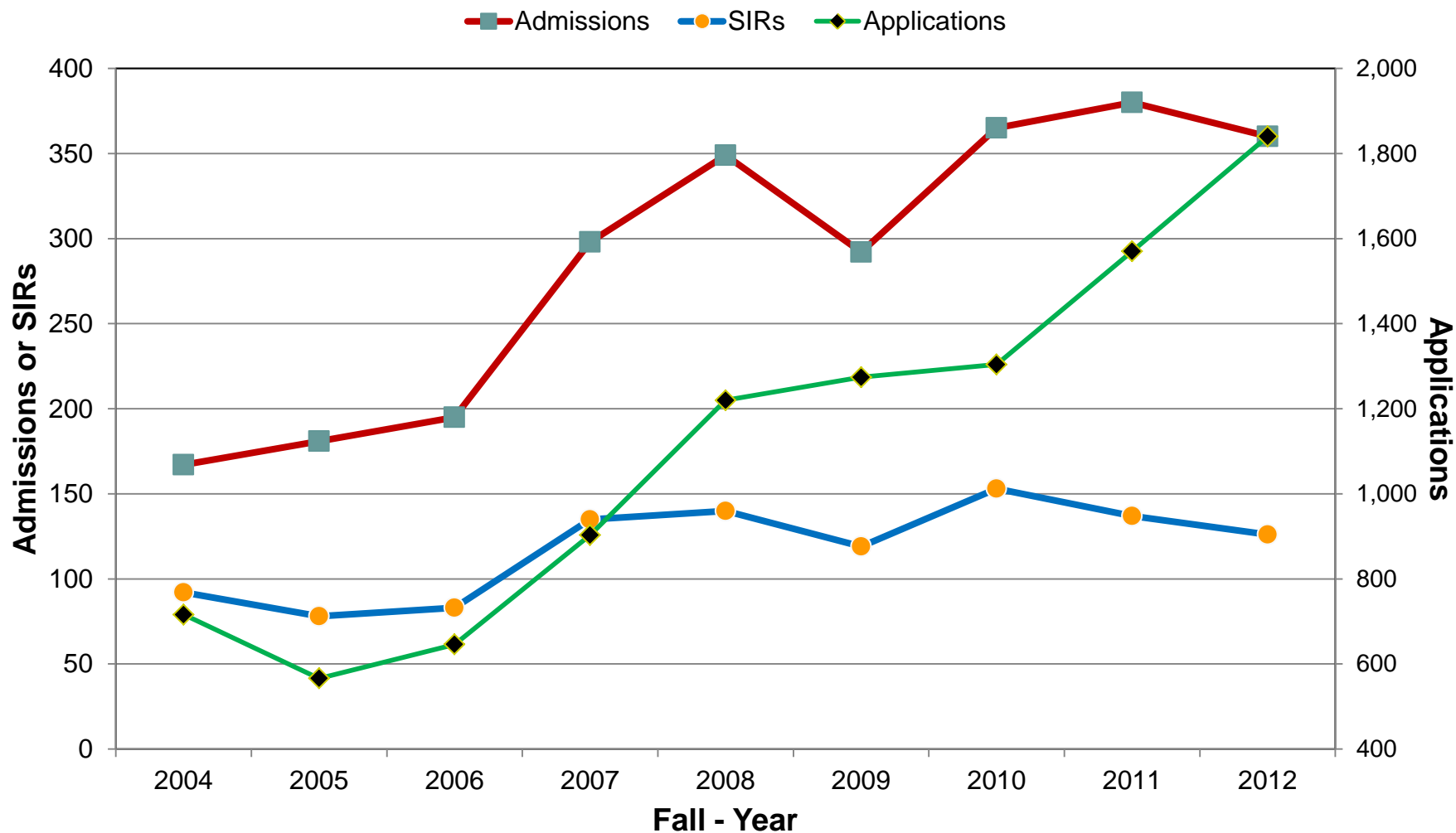
Graduate Degrees Awarded



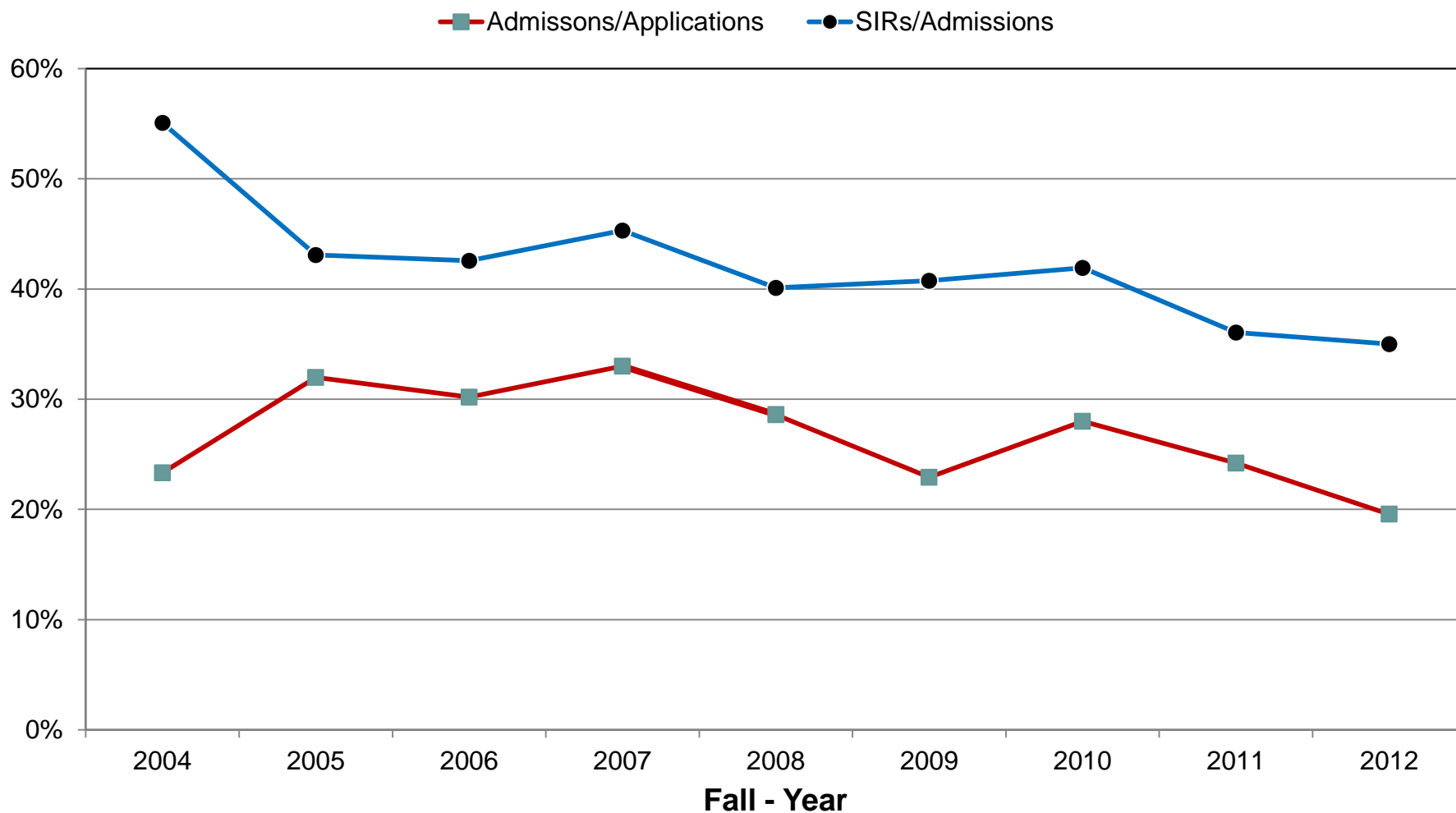
Total Graduate Students* by Department



Trends in Recruitment



Trends in Recruitment



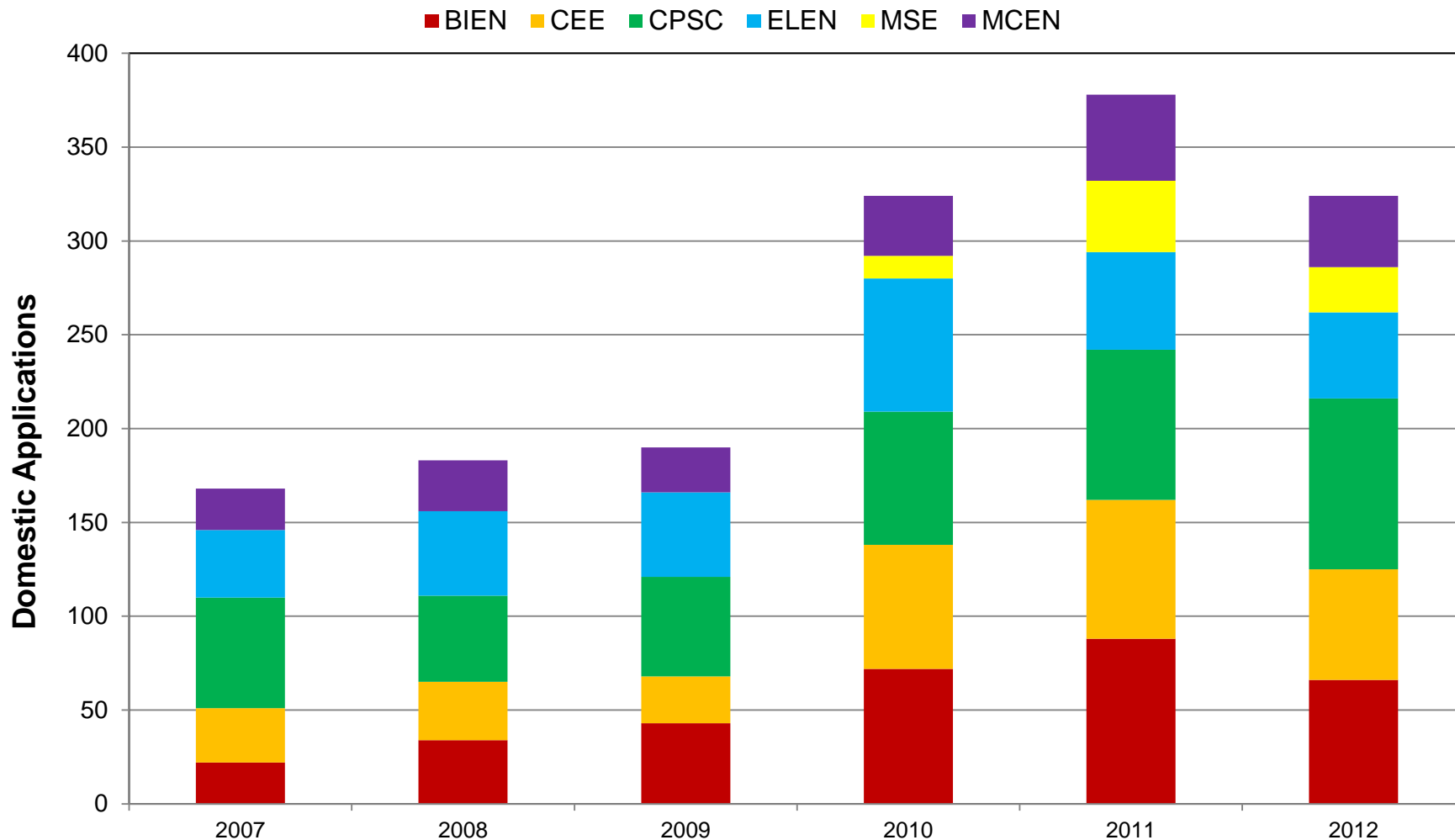
Strategic Plan for Graduate Education

- Research and Graduate Education are inexorably linked.
 - Primary factor in where a student attends graduate school is the faculty members at the school due to his/her research and research network.
 - BCOE must hire and retain the highest quality faculty measured by their impact publications, awards, fellowships, service, etc.
 - BCOE must attract and achieve a high level of extramural funding in support of the research and graduate education enterprise.

Goals for Graduate Education

- Achieve an overall graduate Ph.D. enrollment equivalent to about 6 PhD students per faculty member.
- Enhance the number and quality of BCOE graduate applicants through increased recruitment efforts.
- Increase the participation of US students, particularly underrepresented students and women.
- Enhance M.S. programs.

Domestic Applications



Graduate Student Recruitment

- Increase graduate student recruitment efforts:
 - Listings in Peterson's guide (for international student recruitment),
 - Direct mailings of program recruitment information to top domestic GRE test takers,
 - Workshops for high-achieving UCR engineering students (GPA>3),
 - Recruitment open houses for UCR and local non-UCR engineering students,
 - Visitations and presentations by staff and/or faculty at most CSU and UC campuses, and selected strategic national universities (e.g. Morgan State University, Howard University),
 - Promotion through research presentations at national and international research conferences. (Faculty are provided with a few slides to promote UCR and BCOE.),
 - Exhibit booths (often separately from Graduate Division) at national conferences for underrepresented students in science and engineering (i.e., National Society of Black Engineers (NSBE), Society of Hispanic Professional Engineers (SHPE), Society for the Advancement of Chicano and Native American Scientists (SACNAS), and Society of Women Engineers (SWE)), and

Graduate Student Recruitment

- Increase graduate student recruitment efforts:
 - Sponsorship in the National Consortium for Graduate Degrees for Minorities in Engineering and Science (GEM).
 - Cover application fees for all domestic student applicants.
- Difficulty in Follow Up and Providing Timely Information
 - Campus purchase of Hobson's Education CRM Suite service
 - Builds, automates, executes, and tracks the entire admissions communications plan.
 - Captures data on every contact interaction with UCR during the admissions process.
 - Track students from prospect through enrollment, identifying why and how they applied.
 - Diversify the communication strategy for maximum effectiveness through a mix of integrated media and methods.

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