

What is Needed from the Engineering Community —— and —— How to Drive Change

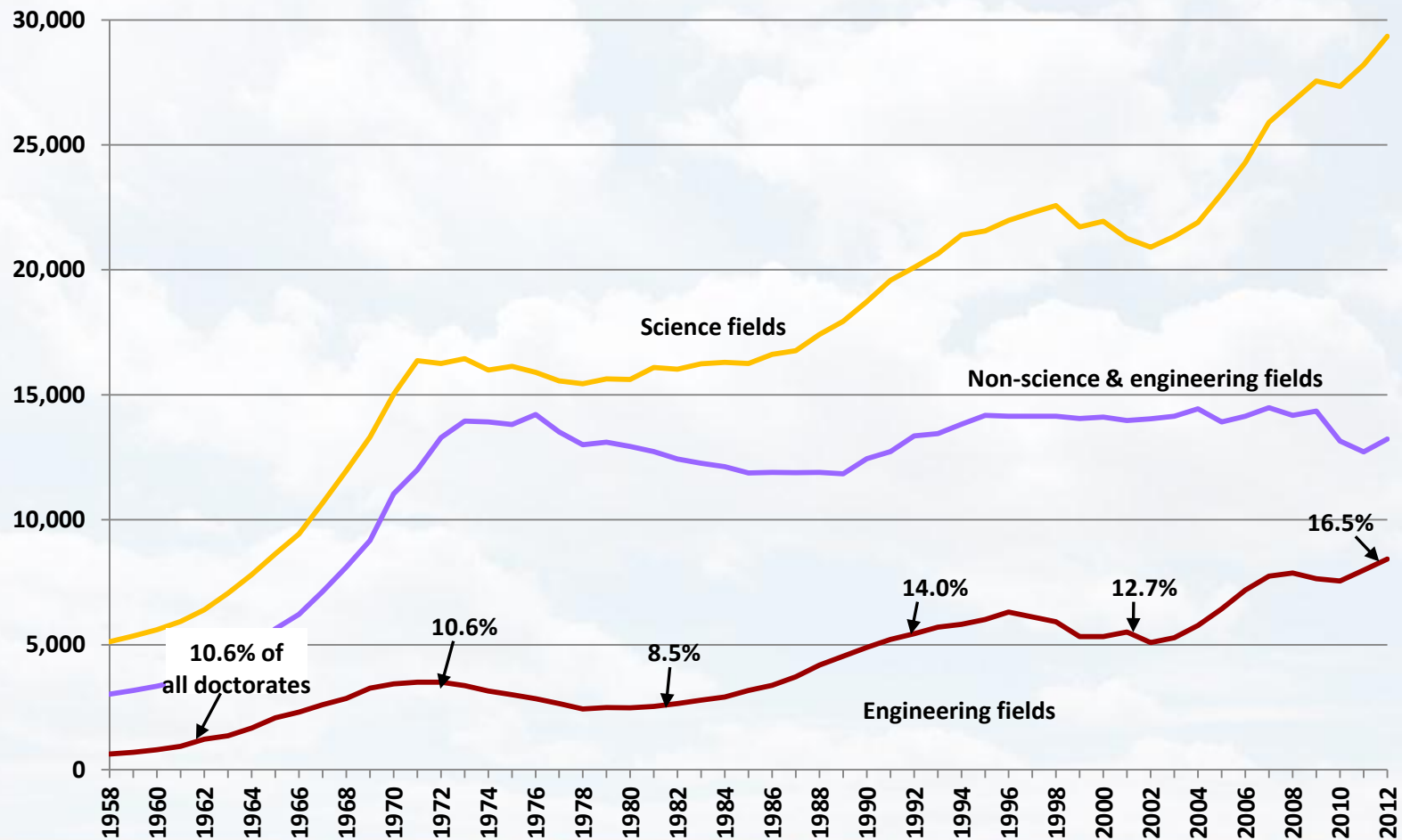


Dr. Cora B. Marrett, Deputy Director
National Science Foundation

2014 NAE-AAES Convocation of the
Professional Engineering Societies

April 28, 2014

Doctorates Awarded by U.S. Colleges and Universities, by Field of Study: 1958 - 2012

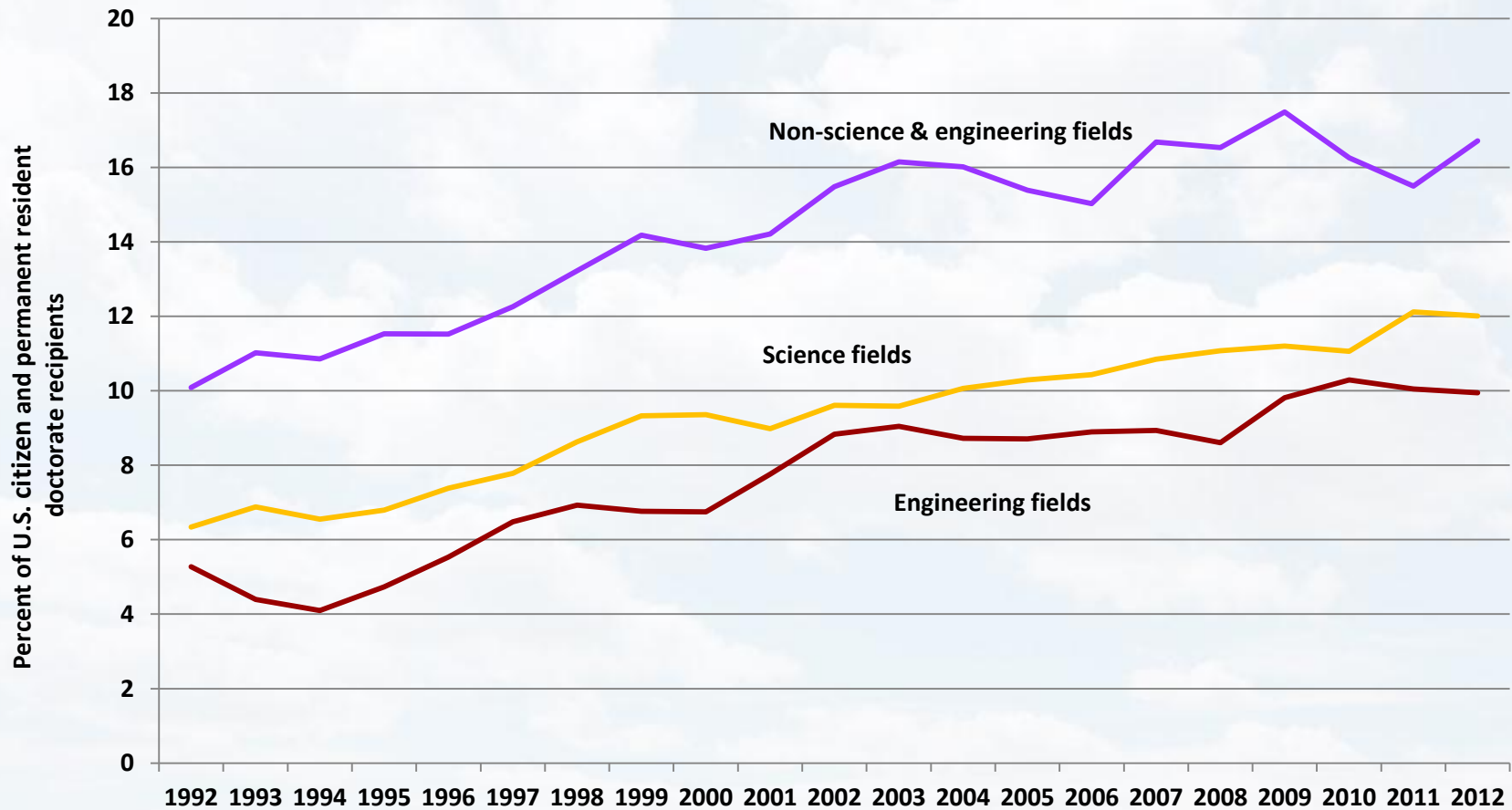


SOURCE: *Doctorate Recipients from U.S. Universities 2012*



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Percent of Doctorates Awarded to Underrepresented Minorities, by Field of Study: 1992-2012

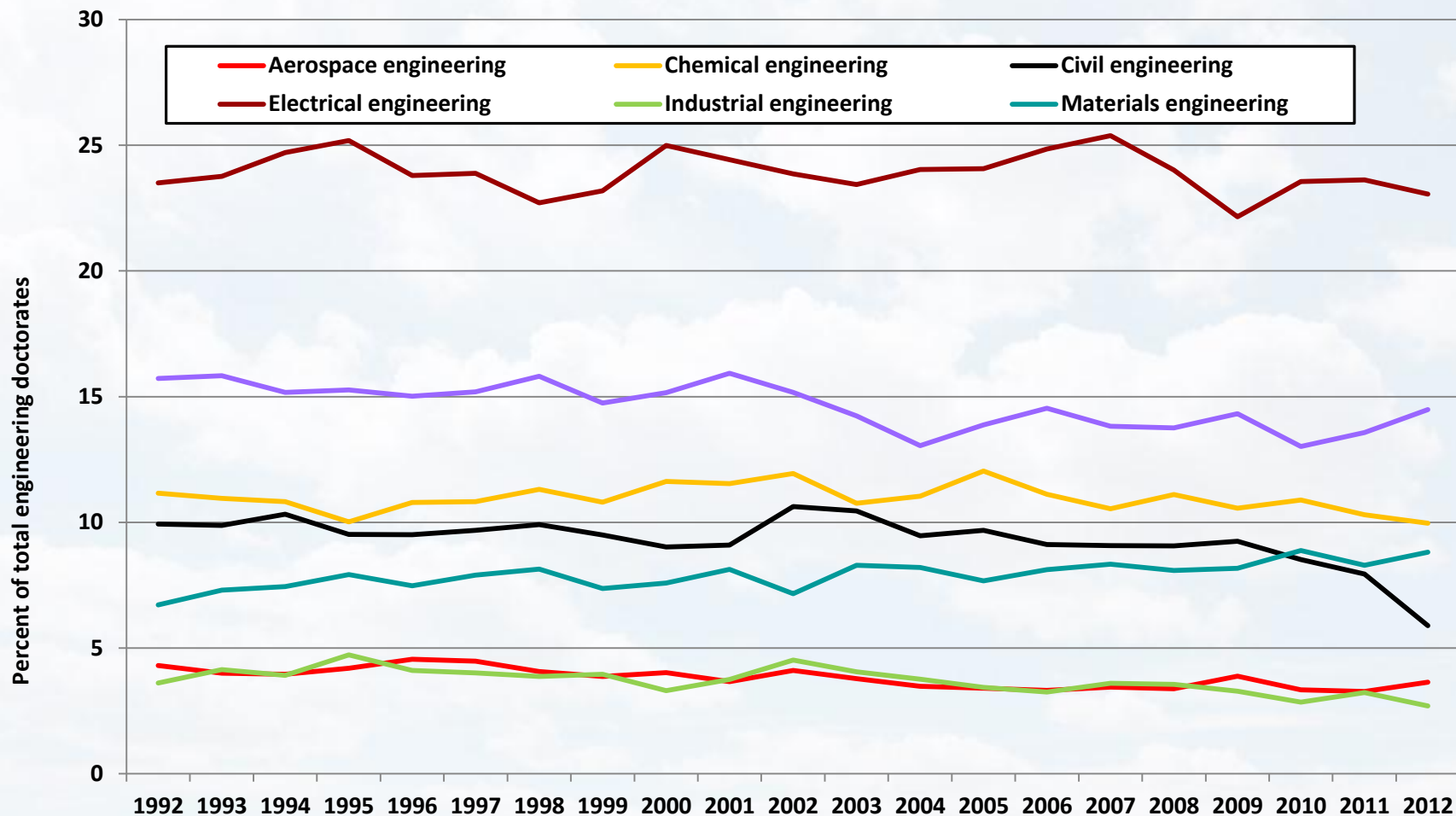


SOURCE: *Doctorate Recipients from U.S. Universities 2012*



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Engineering Doctorates Awarded, by Subfield: 1992 - 2012



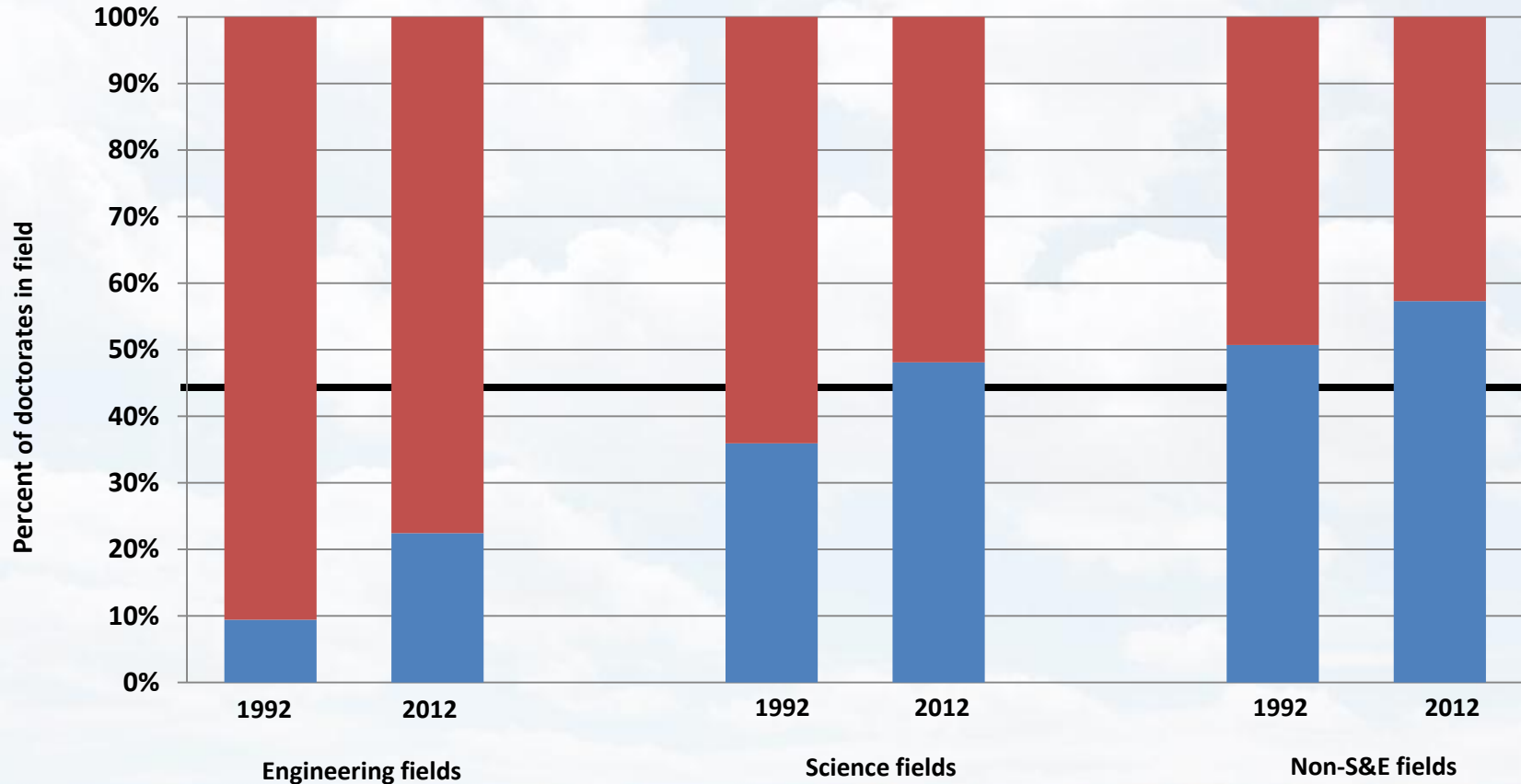
SOURCE: *Doctorate Recipients from U.S. Universities 2012*



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Doctorates Awarded, by Sex and Field of Study: 1992 - 2012

■ Women ■ Men

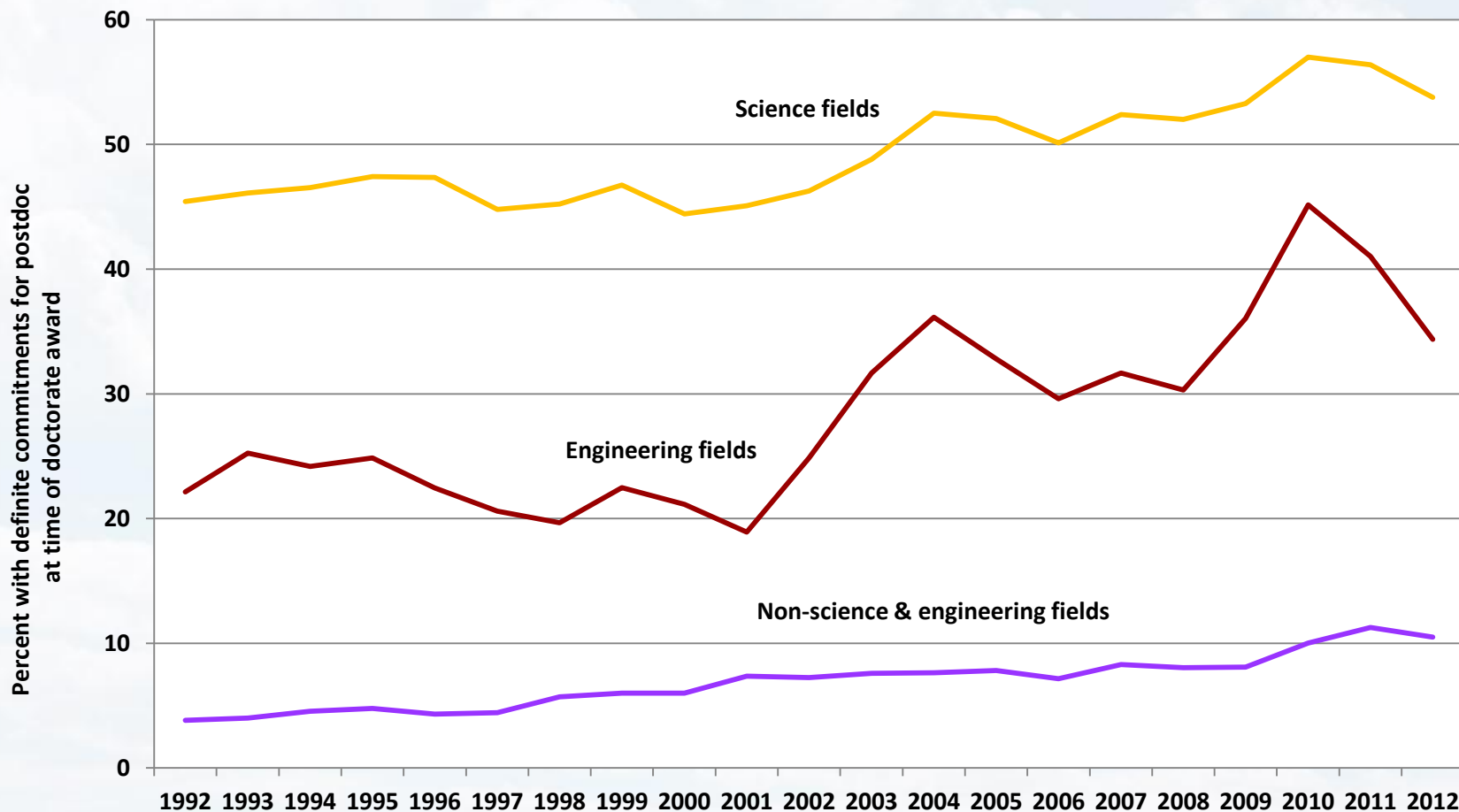


SOURCE: *Doctorate Recipients from U.S. Universities 2012*



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Postdoc Rate, by Field of Study: 1992 - 2012

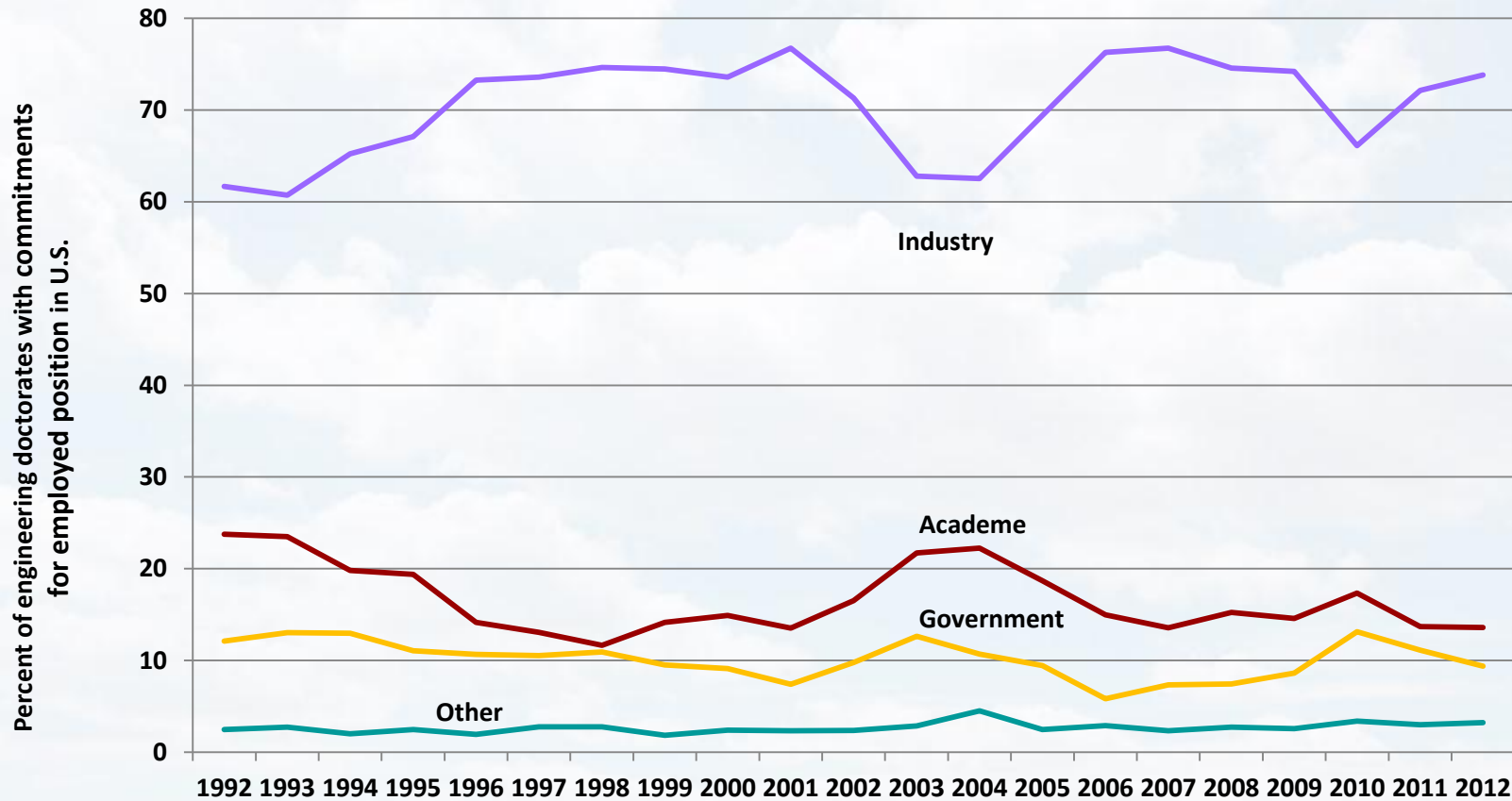


SOURCE: *Doctorate Recipients from U.S. Universities 2012*



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Employment Sector of Engineering Doctorates with Definite U.S. Employment Commitments: 1992 - 2012



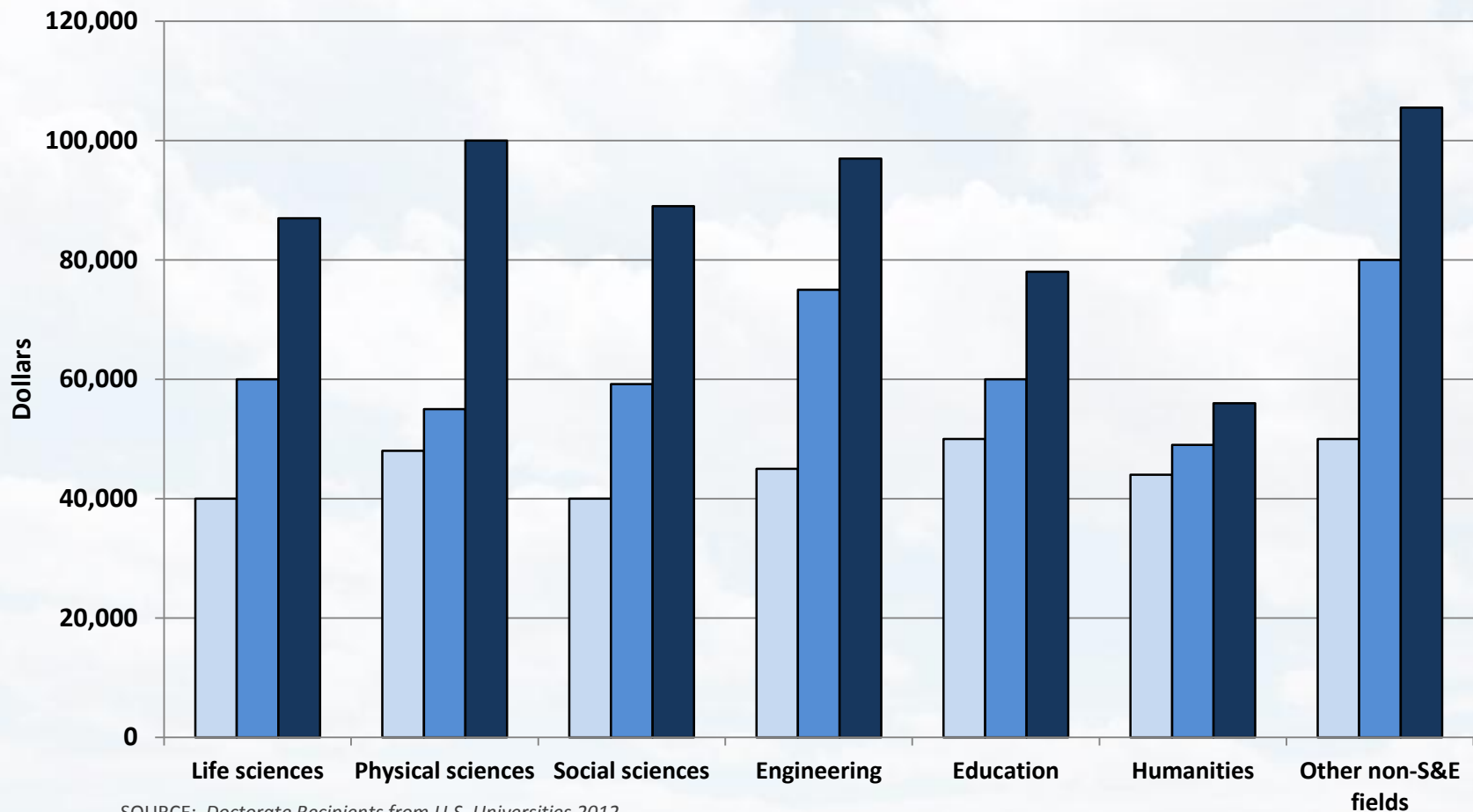
SOURCE: *Doctorate Recipients from U.S. Universities 2012*



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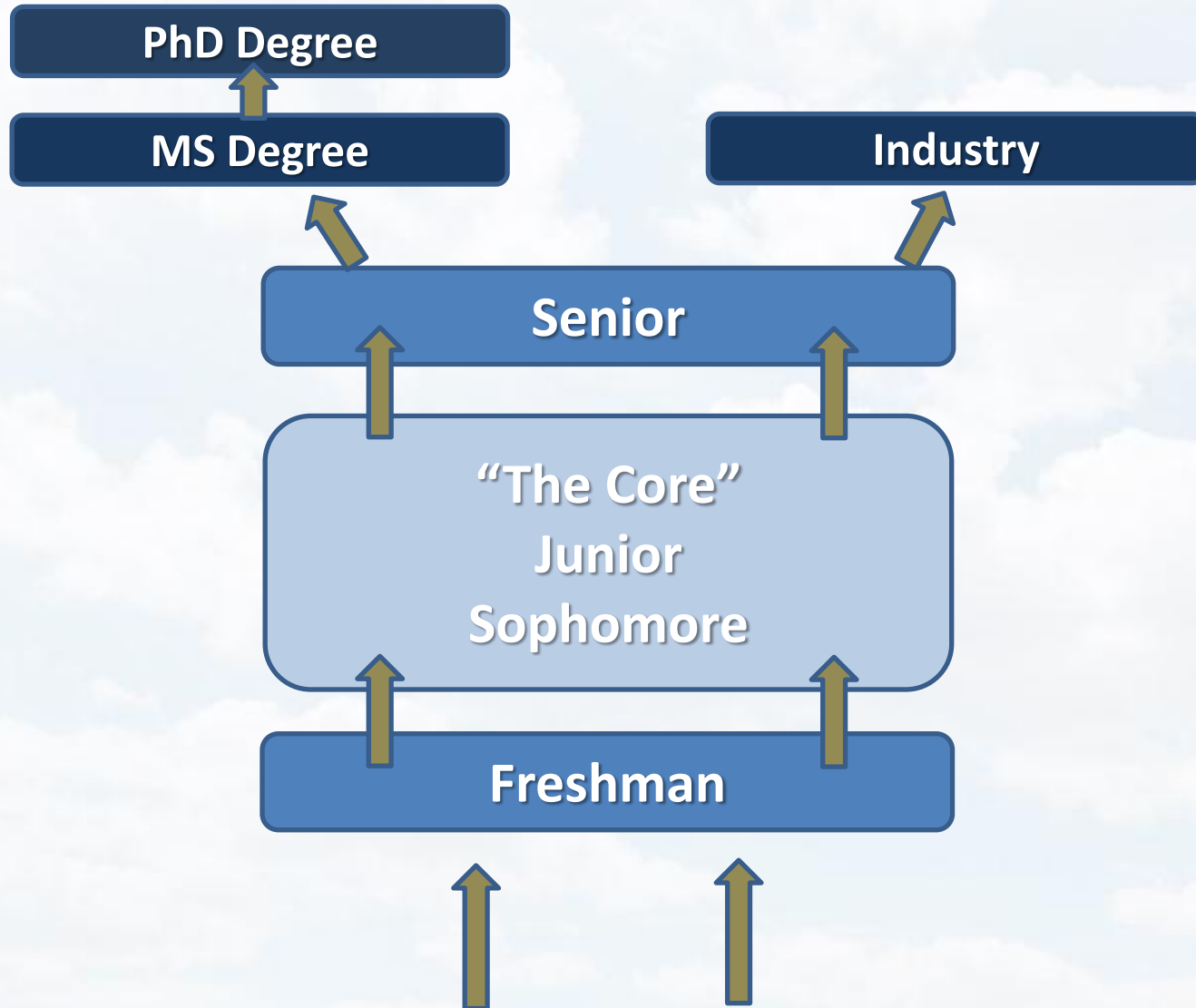
Median Basic Salary of Doctorate Recipient with Definite U.S. Commitments, by Position Type and Field of Study: 2012

Postdoc Employment in academe Employment in industry

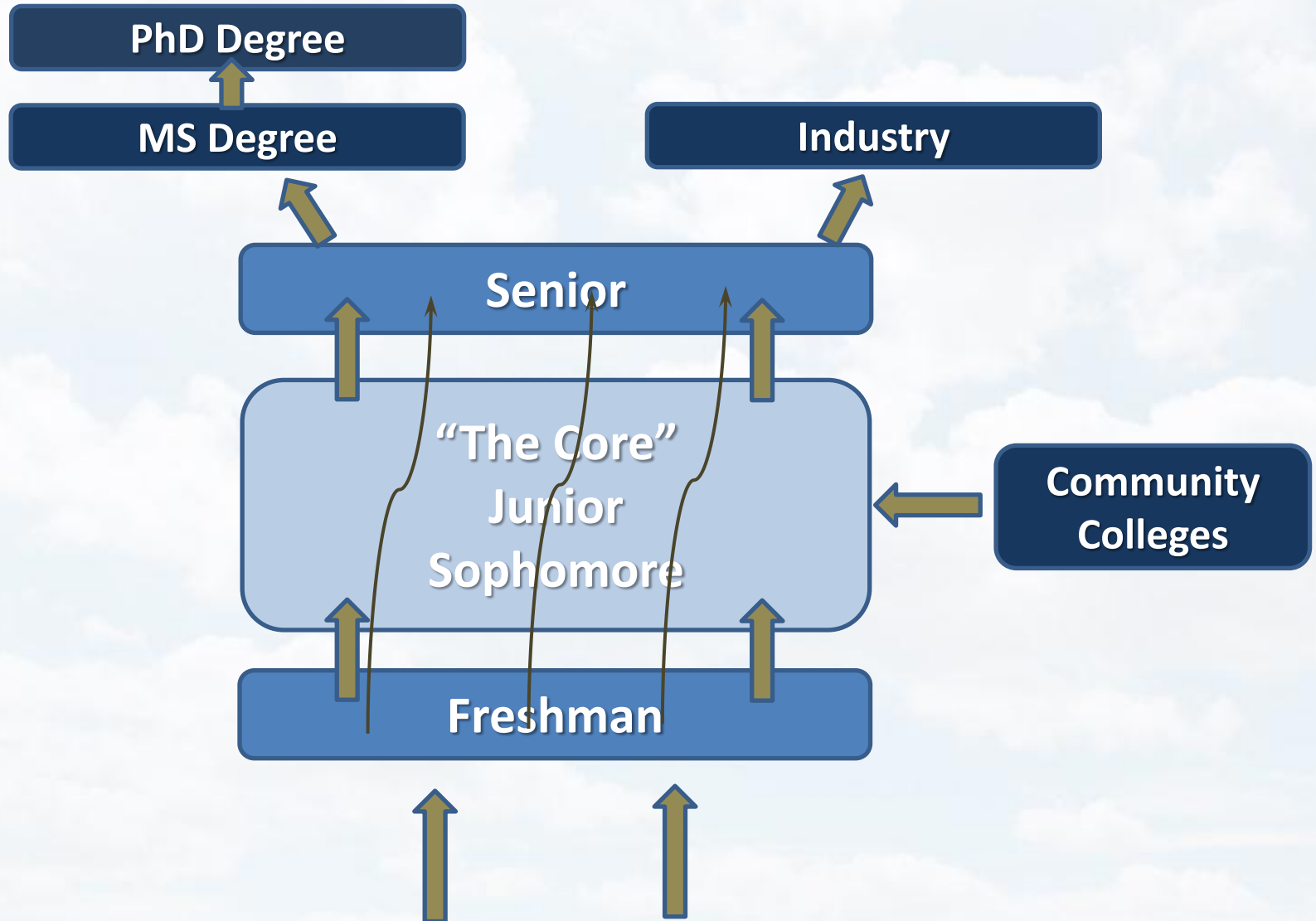


SOURCE: Doctorate Recipients from U.S. Universities 2012

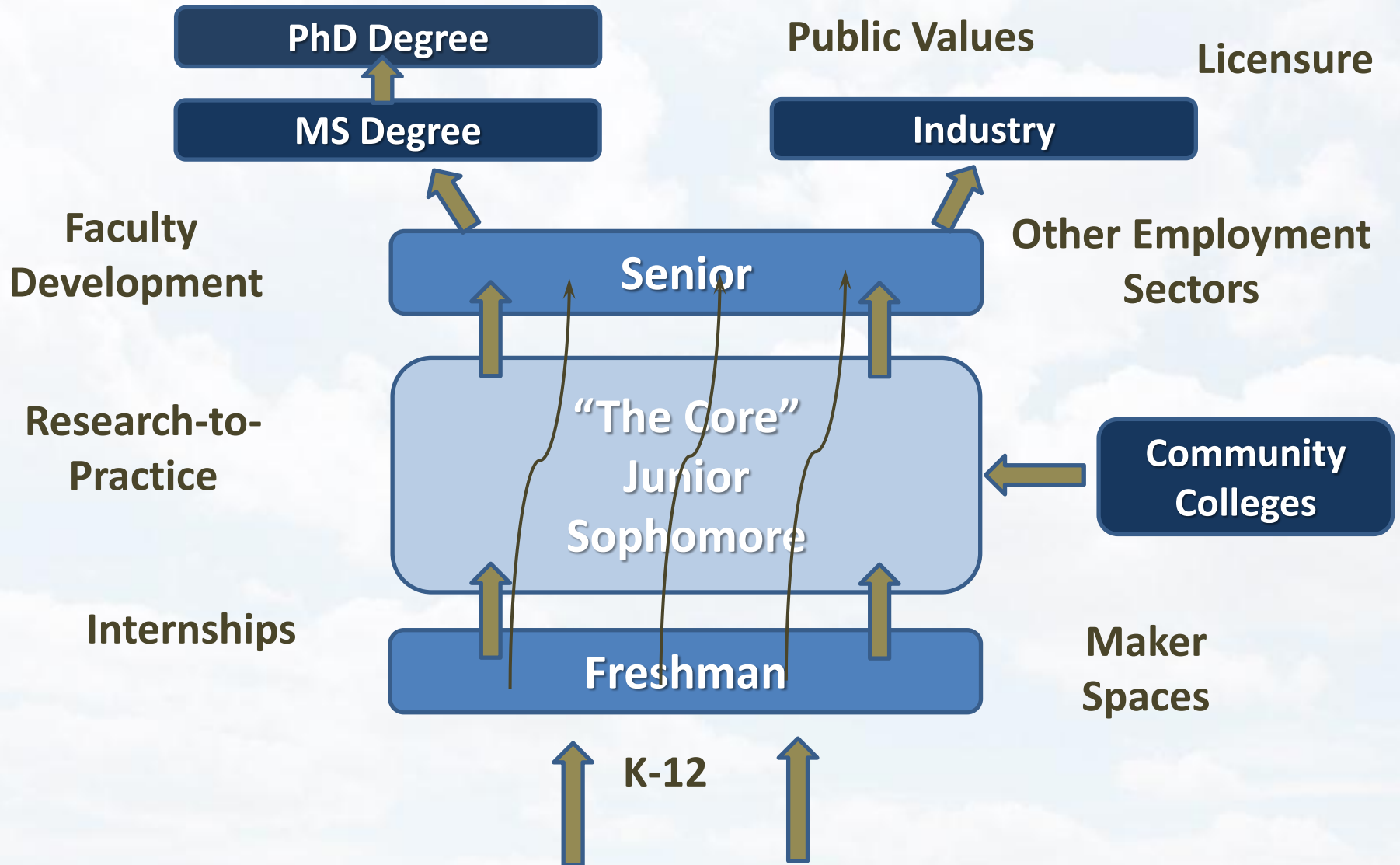
“Linear” Path for Engineers



“Non-Linear” Path for Engineers



Continuing Engineer Development



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