

Transforming Construction Industry through Education (Bringing Industry and Innovation into the Classroom)



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Geodesign Education



- First program launched in 2013
- Academic programs offered worldwide
- Diverse offerings
 - Undergraduate, graduate, certificate, concentration, single course
- Mixed platforms
 - Residential and online
- Interdisciplinary training
- Growing market



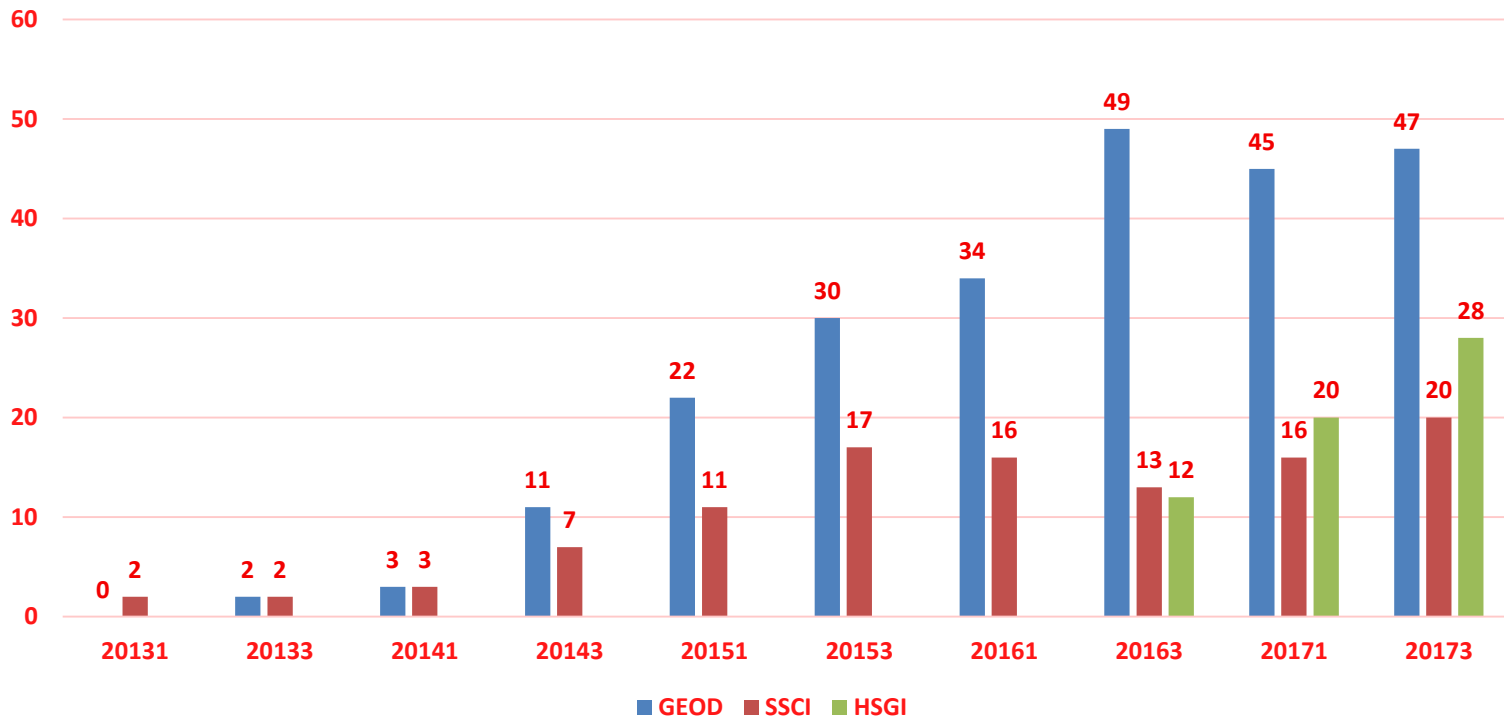
Sample of US Geodesign Programs

University	Offering	Academic Unit	Platform
Penn State University	Masters; Grad Certificate	College of Arts and Architecture	Online
University of Florida	Undergrad Geodesign Specialization	College of Design, Construction, and Planning	Residential
University of Redlands	MS Geodesign	College of Arts and Sciences	Residential
University of Southern California	BS Geodesign	Schools of Architecture, Planning, and Spatial Sciences	Residential
University of Wisconsin	Graduate Capstone in Geodesign	Department of Landscape Architecture	Online

Growth of USC Geodesign Program

- 48 majors; 48 minors (spatial studies; HSGI)

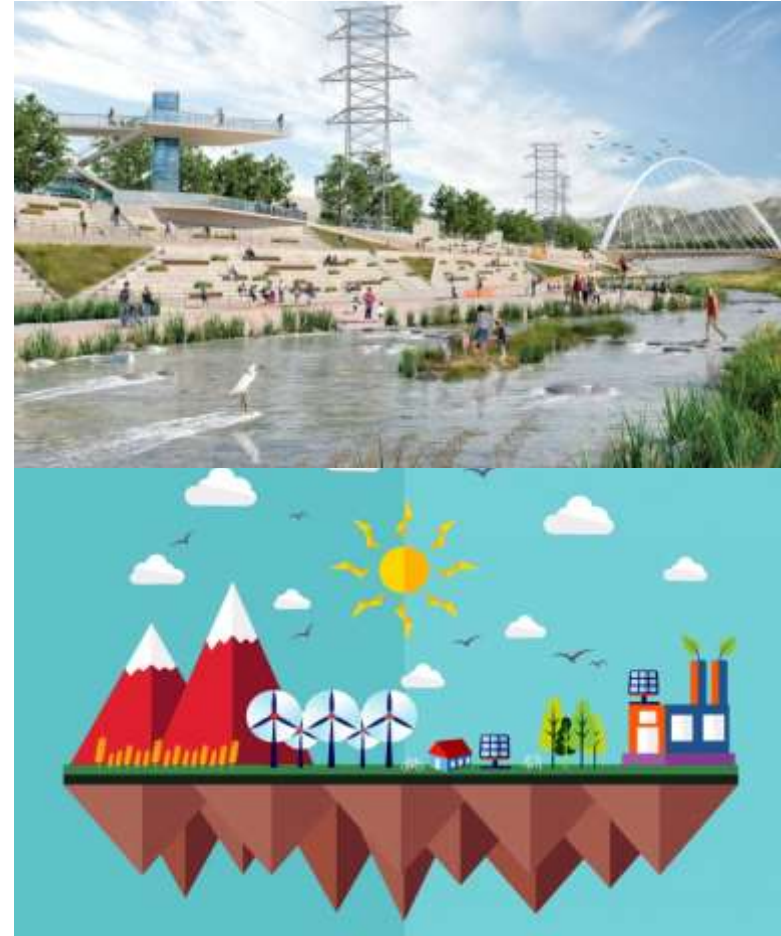
Undergraduate Program Growth



Broad Student Interest



- Students changed majors from:
**Anthropology, Architecture,
Astronautical Engineering, Biology,
Chemistry, English, Engineering,
Human Biology, Music, Physics,
Urban and Regional Planning,
Sociology**
- **Generalist vs Specialist**



Enduring Challenges



- **Curriculum and coordination**
 - Faculty coordination
 - Team teaching
- **Facilities**
 - Large and diverse computing infrastructure
- **Geodesign as a process**
 - Teach across disciplines and promote community engagement
- **Build and develop the Geodesign community**

