# APPROVED COURSES FOR THE BERKELEY CERTIFICATE IN DESIGN INNOVATION

## BERKELEY CERTIFICATE IN DESIGN INNOVATION

### I lower division (2+ units)

#### DESIGN FOUNDATIONS

- **ART 8/8A- Intro to Visual Thinking - 4u**
- **ART 23AC- Digital Media: Foundations - 4u**
- **DESI INV 10- Discovering Design - 2u**
- **DESI INV 15- Design Methodology - 3u**
- **ENVI DES 1- Intro to Environmental Design - 3u**

#### DESIGN SKILLS

- **ARCH 11A- Intro to Visual Representation & Drawing - 4u**
- **ARCH 11B- Intro to Design - 5u**
- **ARCH 150- Introduction to Structures - 4u**
- **ARCH 160- Introduction to Construction - 4u**
- **DESI INV 21- Visual Communications & Sketching - 3u**
- **DESI INV 22- Prototyping & Fabrication - 3u**
- **DESI INV 23- Creative Programming and Electronics - 3u**
- **DESI INV 25- User Experience Design - 3u**
- **DESI INV 190-1/ME 292C- Human-Centered Design Methods - 2u**
- **DESI INV 190-7- Human-Centered Design Challenge: Making Mobile Sensing and Cybersecurity Tangible - 2u**
- **ENGI 25- Visualization for Design - 2u**
- **ENGI 26- 3D Modeling for Design - 2u**
- **ENGI 27- Intro to Manufacturing & Tolerancing - 2u**
- **FILM 179- Understanding Film Sound - 4u**
- **LD ARCH 1- Drawing a Green Future - 4u**
- **LD ARCH 189- Representation as Research: Contemporary Topics in Landscape Visualization - 3u**
- **MUSIC 158A- Sound and Music Computing with CNMAT Technologies - 4 units**
- **THEATER 173- Scenography: Scenic Design for Performance - 3u**
- **THEATER 174- Scenography: Costume Design for Performance - 3u**
- **THEATER 175A- Scenography: Lighting Design for Performance - 4u**
- **THEATER 177- Sound Design for Performance - 4u**
- **THEATER 178- Video Production for Performance - 3u**
- **UGBA 190D- Innovation and Design Thinking in Business - 2u**

### I upper division (3+ unit course)

#### ADVANCED DESIGN

- **ART100/TDPS100/UGBA190T- Collaborative Innovation - 4u**
- **ART 178- Game Design Methods - 4u**
- **CIV ENG 186- Design of Cyber-Physical Systems - 3u**
- **COMPSCI 160- User Interface Design & Development - 4u**
- **COMPSCI 194-84/ME290U/DES INV 190E-1- Interactive Device Design - 4u**
- **COMPSCI 294-137/DES INV 190-4 - Virtual Reality & Immersive Computing - 3u**
- **CY PLAN 140- Urban Design: City Building & Place Making - 3u**
- **DESI INV 181- Reimagining Mobility: Design Development and Delivery - 3u**
- **DESI INV 190-2- Global Product Development - 3u**
- **DESI INV 190E-2/ME 193C/ME 292C- Upper-Limb Prosthesis Design - 4u**
- **IEOR 170- Industrial Design and Human Factors - 3u**
- **INFO 290-006 - Product Design Studio - 3u**
- **INTEGBI C32/LZ 30Z- Bioinspired Design - 3u**
- **LD ARCH 111- Plants in Design - 3u**
- **ME 110/UGBA 190T- Intro to Product Development - 3u**
- **ME 122- Processing Materials in Manufacturing - 3u**
- **ME C178/BIOE C137- Situated Instrument Design for Musical Expression - 4u**
- **ART C166/NWMEDIA C166/NWMEDIA 204 - Critical Practices - 4u**
- **NWMEDIA C203- Critical Making - 4u**
- **THEATER 175B- Scenography: Lighting Design for the Theater - 4u**

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Declaration of Intent to obtain the Certificate does not give you priority to register in these courses. Please check Berkeley Academic Guide for course prerequisites: [http://guide.berkeley.edu/courses](http://guide.berkeley.edu/courses)

DES INV 190-2 is now DES INV 25; DES INV 190-1 is now DES INV 181; DES INV 190-001 & DES INV 190-5 are now DES INV 190-7; Please check the names of the DES INV 190s (along with 190's from other departments) as they are temporary and are subject to revision and reuse.

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