

APPROVED COURSES FOR THE BERKELEY CERTIFICATE IN DESIGN INNOVATION

BERKELEY CERTIFICATE IN DESIGN INNOVATION		
I lower division (2+ units)	DESIGN FOUNDATIONS	
must be taken outside of home College or School	ART 8/8A- Intro to Visual Thinking - 4u ART 23AC- Digital Media: Foundations- 4u DES INV 10- Discovering Design - 2u DES INV 15- Design Methodology - 3u ENV DES 1- Intro to Environmental Design - 3u	ENV DES 4A- Design & Activism - 3u ENV DES 104- Design Frameworks - 3u IEOR 190E-1- Product Design - 3u THEATER 60- Intro to Technical Theater & Production - 4u UGBA 190T- Needfinding in the Wild - 2u
choose 2 (2+ units)	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 DES INV 21- Visual Communications & Sketching - 3u DES INV 22- Prototyping & Fabrication - 3u DES INV 23- Creative Programming and Electronics - 3u DES INV 25- User Experience Design - 3u DES INV 190-1/ME 292C - Human-Centered Design Methods - 2u DES INV 190-7- Human-Centered Design Challenge: Making Mobile Sensing and Cybersecurity Tangible - 2u ENGIN 25- Visualization for Design - 2u ENGIN 26- 3D Modeling for Design - 2u ENGIN 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	
	ART 100/TDPS 100/UGBA 190T- 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 DES INV 181- Reimagining Mobility: Design Development and Delivery - 3u DES INV 190-2- Global Product Development - 3u DES 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 INTEG BI 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- Designing the Human Body - 4u MUSIC 158B- 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

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>

DES INV 24 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.