

# CERTIFICATE IN DESIGN THINKING

Open to all undergraduate students on-campus and through CSU Online, the Certificate in Design Thinking provides undergraduate students with an opportunity to explore creative approaches to solve problems. This human-centered approach explores the needs of society and applies elementary or emerging technologies – or tools – to inspire improvement and innovation in the development of spaces, objects, services, problems and ideas that define daily experiences and overall quality of life. Students will gain an awareness of the impact of design thinking and its application to their major, discipline, or profession.

Learn more about the Certificate in Design Thinking, including planned course offerings each semester, on the Nancy Richardson Design Center website. (<https://www.chhs.colostate.edu/rdc/learn/>)

## Requirements Effective Fall 2025

Courses from this list may not double-count for the Minor in Design Thinking.

Students cannot earn both the certificate and minor in Design Thinking.

Additional coursework may be required due to prerequisites.

| Code   | Title  | Credits |
|--|--|---------|
| IDEA 210                                     | Introduction to Design Thinking (GT-AH1)                     | 3       |
| Select 9 credits from the following courses: |  | 9       |
| IDEA 310A                                    | Design Thinking Toolbox: Paper Products                      |         |
| IDEA 310B                                    | Design Thinking Toolbox: 3D Modeling                         |         |
| IDEA 310D                                    | Design Thinking Toolbox: Digital Imaging                     |         |
| IDEA 310E                                    | Design Thinking Toolbox: Foundations of Woodworking          |         |
| IDEA 310F                                    | Design Thinking Toolbox: Foundations of Textile Design       |         |
| IDEA 310G                                    | Design Thinking Toolbox: Infographics                        |         |
| IDEA 310H/<br>CS 310H                        | Design Thinking Toolbox: Mixed Reality Design                |         |
| IDEA 310I                                    | Design Thinking Toolbox: Foundations of Metal Fabrication    |         |
| IDEA 310J                                    | Design Thinking Toolbox: Graphic Noveling                    |         |
| IDEA 310K                                    | Design Thinking Toolbox: Technical Sketching and Drawing     |         |
| IDEA 310L                                    | Design Thinking Toolbox : Creating Things That Think         |         |
| IDEA 310M                                    | Design Thinking Toolbox: Co-designing with Communities       |         |
| IDEA 310N                                    | Design Thinking Toolbox: Screen Printing                     |         |
| IDEA 310O                                    | Design Thinking Toolbox: Digital Interaction and Game Design |         |
| IDEA 310P                                    | Design Thinking Toolbox: Low-Fidelity Prototyping            |         |
| IDEA 310Q                                    | Design Thinking Toolbox: 3D Animation and Storytelling       |         |

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| IDEA 310T            | Design Thinking Toolbox: Mobile Applications        |
| IDEA 310U            | Design Thinking Toolbox: Artificial Intelligence    |
| IDEA 320B            | Design Thinking Toolbox: Advanced 3D Modeling       |
| IDEA 320E            | Design Thinking Toolbox: CNC Furniture Design       |
| IDEA 320F            | Design Thinking Toolbox: Advanced Textile Design    |
| IDEA 320I            | Design Thinking Toolbox: Advanced Metal Fabrication |
| IDEA 424/<br>MGT 424 | Design Thinking in Social Entrepreneurship          |
| IDEA 450             | Design Thinking Collaborative                       |
| IDEA 455/<br>MGT 455 | Designing for Defense                               |

Program Total Credits:

12