

# Product Development + Manufacturing



CONTINUING EDUCATION

Note: This certificate program is no longer taking new applications



Product Developers practice human-centered design through careful planning and creative thinking, and ultimately drive user satisfaction and business growth.

The Product Development + Manufacturing certificate teaches students to use the design process to develop meaningful solutions to real-world problems. They shape our world as well as our physical and virtual experiences within it.

With this certificate, students gain a range of fundamental creative, diagnostic, mechanical and visual skills allowing them to conquer the many challenges that arise in the physical and digital product development process. The certificate reviews all phases of the product design and development life cycle, including: conceptualization; research; design development; prototyping; user testing; manufacturing and assembly; distribution and marketing. Graduates may pursue careers at product design and manufacturing-related firms or in entrepreneurial pursuits.

## Total Program Cost: \$9,460

Based on current tuition rates; subject to change over the course of your program. Supplies, software subscription fees and other materials are not included.

[Learn More + Apply](#)

LEVEL I: CORE	COURSE NUMBER	SEMESTERS OFFERED	HOURS	TUITION (ONLINE)
<b>Drawing I (Part A)</b>	0637	F, W, Sp, Su	18	\$440
<b>Drawing I (Part B)</b>	0638	F, W, Sp, Su	18	\$440
<b>Design (Part A)</b>	0623	F, W, Sp, Su	18	\$440
<b>Design (Part B)</b>	0624	F, W, Sp, Su	18	\$440
<b>Applied Color</b>	1186	F, W, Sp, Su	18	\$440
<b>Digital Design Techniques (Part A)</b>	1466	F, W, Sp, Su	18	\$440
<b>Digital Design Techniques (Part B)</b>	1467	F, W, Sp, Su	18	\$440
<b>Product Development + Manufacturing: Introduction</b>	0381	F, W, Sp, Su	18	\$440

LEVEL II: CONCENTRATION	COURSE NUMBER	SEMESTERS OFFERED	HOURS	TUITION (ONLINE)
<b>Drawing + Rendering for Product Development</b>	0383	W, Su	18	\$440
<b>Material Exploration</b>	0380	Su	18	\$440
<b>3D Modeling with Rhino (Part A)</b>	9043	F, Sp Session I	18	\$440
<b>3D Modeling with Rhino (Part B)</b>	9044	F, Sp Session II	18	\$440
<b>Design Research Methods</b>	0379	W	18	\$440
<b>Product Dev I: Human Factor (Part A)</b>	9061	Sp Session I	18	\$440
<b>Product Dev I: Human Factor (Part B)</b>	9062	Sp Session II	18	\$440
<b>Product Dev II: Manufacture to Market (Part A)</b>	9033	F Session I	18	\$440
<b>Product Dev II: Manufacture to Market (Part B)</b>	9034	F Session II	18	\$440
<b>Final Studio: Product Development</b> (Includes a final portfolio review)	0376	Sp (full semester)	36	\$660

ELECTIVES	COURSE NUMBER	SEMESTERS OFFERED	HOURS	TUITION (ONLINE)
<b>Student's Choice; may be taken any time</b> equal to three 18-hour courses		F, W, Sp, Su	54	\$1,320

Fall and Spring semesters are comprised of two 6-week sessions; Winter and Spring are single 6-week sessions. Some courses may be offered more frequently than indicated above.

18 Contact Hours = 6 weeks/sessions  
36 Contact Hours = 12 weeks/sessions

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**Find your potential path!** Our curriculum is designed to accommodate busy lives. You can start in the Fall, Winter, Spring or Summer, depending on what works best for you. The paths below show the quickest progression through the program (enrolling in up to two classes per session), but you may wish to adjust this schedule to complete the program at your own pace. **Note: Fall and Spring are comprised of two 6-week sessions (separated by white line below); Winter and Summer semesters are single 6-week sessions.**



<b>FALL</b>	<b>WINTER</b>	<b>SPRING</b>	<b>SUMMER</b>
Two 6-week sessions	One 6-week session	Two 6-week sessions	One 6-week session

Have questions? Contact CE Associate Director for Academic Advising Kathleen Kelly at [kkelly@risd.edu](mailto:kkelly@risd.edu) or 401 454-6206