

Recommended Sequence for full-time students.

CAD Degree Checklist 2018-2019

Year One

Fall Semester

<input type="checkbox"/> DRAF 101	Engineering Graphics	4
<input type="checkbox"/> OIT 161	Application Software	3
<input type="checkbox"/> ENGL 151	Freshman Composition	3
<input type="checkbox"/> Elective	General Education Elective – Global Awareness* . . .	3
<input type="checkbox"/> Elective	General Education Elective – Healthy Living*	2
<input type="checkbox"/> FYS 101	First Year Seminar***	1
		<u>16</u>

Comments

Spring Semester

<input type="checkbox"/> DRAF 120	Machine Drafting (prereq. DRAF 101)	3
<input type="checkbox"/> DRAF 181	Applications in AutoCAD (prereq. DRAF 101)	3
<input type="checkbox"/> DRAF 234	SolidWorks (prereq. DRAF 101)	3
<input type="checkbox"/> MATH 118	Applied Algebra & Trig 1	3
<input type="checkbox"/> ENTE 160	Manufacturing Processes	3
		<u>15</u>

Summer Semester

<input type="checkbox"/> Elective	General Education Elective – Creativity*	3
<input type="checkbox"/> ENTE 170	CNC & CAM (prereq. ENTE 160)	3
		<u>6</u>

Year Two

Fall Semester

<input type="checkbox"/> DRAF 141	Descriptive Geometry (prereq. DRAF 101)	3
<input type="checkbox"/> DRAF 221	Architectural Drafting (prereq. DRAF 101)	3
<input type="checkbox"/> DRAF 252	Advanced SolidWorks (prereq. DRAF 234)	3
<input type="checkbox"/> ENTE 215	Material Science	3
<input type="checkbox"/> MATH 119	Applied Algebra & Trig 2 (prereq. MATH 118)	3
		<u>15</u>

Spring Semester

<input type="checkbox"/> DRAF 211	Dimensioning & Tolerancing (prereq. 120 & 234) . . .	3
<input type="checkbox"/> DRAF 262	Engineering Design (prereq. DRAF 252)	3
<input type="checkbox"/> ENTE 220	Statics & Strength of Materials (prereq. MATH 119) .	3
<input type="checkbox"/> PHYS 111	College Physics 1 (prereq. MATH 119)	4
<input type="checkbox"/> Elective	Communication 101, 111, or 207**	3
		<u>16</u>

Many of the above courses are only offered once per year. If you are out of sequence, please check with the CAD instructor for course availability.

* One general education core course required in each of the following categories; Creativity, Global Awareness, and Healthy living. See the college catalog for further details.

For transfer to Ferris State University's (FSU) Product Design Engineering Technology program (PDET), Art 110 is recommended for the Creativity elective, PSYC 201 is recommended for the Healthy Living elective. See the FSU PDET transfer guide for more details and options.

** For Ferris State University's Product Design Engineering program, COMM 207 is the only transferable communications course.

*** See an Academic Advisor for information about FYS and the conditions that require that this course be successfully completed.