

### Full-time Computer Aided Design and Drafting AAS Career Ready Pathways (Design Emphasis 21 Months)

Guided pathways are recommended course sequences for earning a certificate or degree. Waubonsee's academic and career advising and counseling professionals are available to guide students on their path to graduate.

Fall	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
ENG101 First-Year Composition I or ENG152 Business Communication	3	ENG101: C or better in ENG085 or ENG095, transitional English in high school, or college placement measures. ENG152: None	FA   SP   SU	<input type="checkbox"/>
Math Elective: MTH103 Technical Math	3	None	FA   SP   SU	<input type="checkbox"/>
CAD100 Technical Drawing I or EGR101 Engineering Graphics	3	Corequisite: CAD102	FA	<input type="checkbox"/>
CAD102 AutoCAD I	3	Recommended Corequisite: CAD100 and EGR101	FA   SP	<input type="checkbox"/>
CAD125 MicroStation I	3	None. Recommended Corequisite: EGR101	FA	<input type="checkbox"/>
<b>Total</b>	<b>15</b>			

Spring	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
ENG102 First-Year Composition II or ENG153 Technical Writing	3	ENG102: C or better in ENG101. ENG153: None	FA   SP   SU	<input type="checkbox"/>
CAD118 Technical Drawing II	3	CAD100 and CAD102 Corequisite: CAD120	SP	<input type="checkbox"/>
CAD120 AutoCAD II	3	CAD102 or consent of Instructor. Recommended Corequisite: CAD118	FA   SP	<input type="checkbox"/>
CAD122 Geometric Dimensioning and Tolerancing	2	Recommended: CAD100, CAD102, and EGR101. Recommended Corequisite: CAD120, CAD240, or CAD241	SP	<input type="checkbox"/>
CAD131 Civil Engineering, Using Civil3D	3	CAD102 or EGR101	SP	<input type="checkbox"/>
MTT100 Safety Principles	1	None	FA   SP	<input type="checkbox"/>
<b>Total</b>	<b>15</b>			

Fall	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
COM100 Fundamentals of Speech Communication <b>or</b> COM121 Communication in the Workplace	3	None	FA   SP   SU	<input type="checkbox"/>
Social and Behavioral Sciences Elective	3	None	FA   SP   SU	<input type="checkbox"/>
CAD127 Residential Architectural	3	CAD102 or EGR101	FA	<input type="checkbox"/>
CAD240 Intro-Parametric Modeling/SolidWorks	3	CAD120, or EGR101, or consent of instructor. Recommended Corequisite: CAD122, CAD241	FA	<input type="checkbox"/>
CAD241 Intro-Parametric Modeling/Inventor	3	CAD120, CAD122 and EGR101, or consent of instructor. Recommended Corequisite: CAD240	FA	<input type="checkbox"/>
<b>Total</b>	<b>15</b>			

Spring	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
CAD129 Commercial Architectural	3	CAD127	SP	<input type="checkbox"/>
CAD242 Adv Parametric Modeling/SolidWorks	3	CAD241 or consent of instructor	SP	<input type="checkbox"/>
CAD243 Adv Parametric Modeling/Inventor	3	CAD241 or consent of instructor	SP	<input type="checkbox"/>
CIS110 Business Information Systems	3	None	FA   SP   SU	<input type="checkbox"/>
Choose from: AMT, BUS, CAD, CIS, CMT, EGR, HVA, ITS, MTT or WLD	3	<a href="#">See Catalog</a>	FA   SP	<input type="checkbox"/>
<b>Total</b>	<b>15</b>	<b>Questions? Call (630) 466-2361 or email <a href="mailto:advising@waubonsee.edu">advising@waubonsee.edu</a></b>		
<b>Degree Total</b>	<b>60</b>			

#### Part-time Computer Aided Design and Drafting AAS Career Ready Pathways (Design Emphasis 3.5 Years)

Fall (year one)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
CAD100 Technical Drawing I or EGR101 Engineering Graphics	3	Corequisite: CAD102	FA	<input type="checkbox"/>
CAD102 AutoCAD I	3	Recommended Corequisite: CAD100 and EGR101	FA   SP	<input type="checkbox"/>
<b>Total</b>	<b>6</b>			

Spring (year one)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
CAD118 Technical Drawing II	3	CAD100 and CAD102 Corequisite: CAD120	SP	<input type="checkbox"/>
CAD120 AutoCAD II	3	CAD102 or consent of Instructor. Recommended Corequisite: CAD118	FA   SP	<input type="checkbox"/>
<b>Total</b>	<b>6</b>			

Summer (year one)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
ENG101 First-Year Composition I or ENG152 Business Communication	3	ENG101: C or better in ENG085 or ENG095, transitional English in high school, or college placement measures. ENG152: None	FA   SP   SU	<input type="checkbox"/>
Math Elective: MTH103 Technical Math	3	None	FA   SP   SU	<input type="checkbox"/>
<b>Total</b>	<b>6</b>			

Fall (year two)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
CAD125 MicroStation I	3	None. Recommended Corequisite: EGR101	FA	<input type="checkbox"/>
CAD 127 Residential Architectural	3	CAD102 or EGR101	FA	<input type="checkbox"/>
<b>Total</b>	<b>6</b>			

Spring (year two)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
CAD122 Geometric Dimensioning and Tolerancing	2	Recommended: CAD100, CAD102, EGR101. Recommended Corequisite: CAD120, CAD240, or CAD241	SP	<input type="checkbox"/>
MT 100 Safety Principles	1	None	FA   SP	<input type="checkbox"/>
CAD129 Commercial Architectural	3	CAD127	SP	<input type="checkbox"/>
<b>Total</b>	<b>6</b>			

Summer (year two)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
ENG102 First-Year Composition II or ENG153 Technical Writing	3	C or better in ENG101. ENG153: None	FA   SP   SU	<input type="checkbox"/>
CIS 110 Business Information Systems	3	None	FA   SP   SU	<input type="checkbox"/>
<b>Total</b>	<b>6</b>			

Fall (year three)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
CAD240 Intro-Parametric Modeling/SolidWorks	3	CAD120, or EGR101, or consent of instructor Corequisite: CAD122, CAD241	FA	<input type="checkbox"/>
CAD 241 Intro-Parametric Modeling/Inventor	3	CAD120, CAD122 and EGR101, or consent of instructor Recommended Corequisite: CAD240	FA	<input type="checkbox"/>
<b>Total</b>	<b>6</b>			

Spring (year three)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
CAD 242 Adv Parametric Modeling/SolidWorks	3	CAD241 or consent of instructor	SP	<input type="checkbox"/>
CAD 243 Adv Parametric Modeling/Inventor	3	CAD241 or consent of instructor	SP	<input type="checkbox"/>
<b>Total</b>	<b>6</b>			

Summer (year three)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
COM 100 Fundamentals of Speech Communication <b>or</b> COM 121 Communication in the Workplace	3	None	FA   SP   SU	<input type="checkbox"/>
Social and Behavioral Sciences Elective	3	None	FA   SP   SU	<input type="checkbox"/>
<b>Total</b>	<b>6</b>			

Fall (last semester)	Credits	Prerequisite	Semester Offered	<input checked="" type="checkbox"/>
CAD131 Civil Engineering, Using Civil3D	3	CAD102 or EGR101	FA	<input type="checkbox"/>
Choose from: AMT, BUS, CAD, CIS, CMT, EGR, HVA, ITS, MTT or WLD	3	<a href="#">See Catalog</a>	FA   SP	<input type="checkbox"/>
<b>Total</b>	<b>6</b>	<b>Questions? Call (630) 466-2361 or email advising@waubonsee.edu</b>		
<b>Degree Total</b>	<b>60</b>			