

Sustainable Construction and Design

Mr. Wayne Lidtke

Waterloo Career Center

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Career Focus:

- Prepared for immediate employment, advanced certifications, and further education.

About the program:

- Design, plan, manage, maintain, and build a wide variety of projects from conception to completion.
- Construct a model home utilizing modern materials, methods, and commercial power tools.
- Work with professionals in carpentry, framing, roofing, and concrete finishing.

Certification Opportunities:

- OSHA 10 Hour Safety
- Precision Measurement Certificate

Extra Curricular Opportunities:

- Skills USA Competition
- HCC Construction Competition

Courses:

Course name	HCC Credit	WCSD Credit	WCSD Course Number
Intro to Residential Construction	2	.5	IND220-CW
Construction Safety	1	.25	IND-361-C
Building Science	1	.25	IND362
Applied Geometry	N/A	1	MAT306
Framing Techniques	2	1	IND364
Site Layout and Blueprint Rdg	1	1	IND365
Construction Safety	1	.25	IND-361-C
Construction Tech Lab <i>*Advanced course for those who have completed above courses.</i>	4	2	IND363
Construction Safety	1	.25	IND-361-C

Potential Course Sequence:

Sophomore	<ul style="list-style-type: none"> Intro to Residential Construction/Construction Safety/Building Science/Applied Geometry
Junior	<ul style="list-style-type: none"> Site Layout and Blueprint Rdg/Framing Techniques/Construction Safety Construction Tech Lab
Senior	<ul style="list-style-type: none"> Construction Tech Lab Teaching Assistant Internship

