

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

Note: Titles are not exact quotes, but equivalent titles for WIU courses

	TOTAL 121			126	
	I.A.I.	WIU		Blackhawk CC	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	EC 221	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 101	3
College Writing II	C1 901R	ENGL 280	3	ENG 102	3
Intro to public speaking	C2 900	COMM 241	3	SPEC 101	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>33</b>
Calculus I	MTH901	MATH 133	4	MATH 124(F,S)	4
Calculus II	MTH902	MATH 134	4	MATH 225(F,S)	4
Calculus III	MTH903	MATH 231	4	MATH 226(F,S)	5
Linear Algebra†	MTH911	MATH 311	3	MATH 230(S)	3
Differential Equations	MTH912	MATH 333	3	MATH 235(S)	3
University Physics I	PHY911	PHYS 197	4	PHYS 201(F,S)	5
University Physics II	PHY912	PHYS 198	4	PHYS 202(F)	5
Inorganic Chemistry I	CHM911	CHEM 201	4	CHEM 101(F,S)	4
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHEM 102(F,S)	4 *
Biology GE*†	BIO910	BIOL 101	4 *	BIOL 105	5 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>
Introduction to CAD	EGR941	ENGR 105	3	GE 101(F,S)	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CS 251 (F)	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			GE 201 (F)	3
Dynamics	EGR943			GE 202(S)	3
Strength of Materials	EGR945	ENGR 251	3	GE 205(S)	3
Engineering Circuits	EGR931	ENGR 271	3	GT 200(S)	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

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	TOTAL 121			124	
	I.A.I.	WIU		Scott CC	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECN 120	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 107	3
College Writing II	C1 901R	ENGL 280	3	ENG 108	3
Intro to public speaking	C2 900	COMM 241	3	SPC 170	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>30</b>
Calculus I	MTH901	MATH 133	4	MAT 210(FS)	4
Calculus II	MTH902	MATH 134	4	MAT 216(FS)	4
Calculus III	MTH903	MATH 231	4	MAT 219(S)	4
Linear Algebra†	MTH911	MATH 311	3		
Differential Equations	MTH912	MATH 333	3	MAT 227(F)	4
University Physics I	PHY911	PHYS 197	4	PHY 212(S)	5
University Physics II	PHY912	PHYS 198	4	PHY 222(F)	5
Inorganic Chemistry I	CHM911	CHEM 201	4	CHM 165(FS)	4
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHM 175	4 *
Biology GE*†	BIO910	BIOL 101	4 *		
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>19</b>
Introduction to CAD	EGR941	ENGR 105	3	EGR 112	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CIS 161	4
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			EGR 180	3
Dynamics	EGR943			EGR 280	3
Strength of Materials	EGR945	ENGR 251	3	EGR 170	3
Engineering Circuits	EGR931	ENGR 271	3	EGR 285	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

Note: Titles are not exact quotes, but equivalent titles for WIU courses

	TOTAL 121			123	
	I.A.I.	WIU		South Eastern Community College	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECN 120	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 107	3
College Writing II	C1 901R	ENGL 280	3	ENG 108	3
Intro to public speaking	C2 900	COMM 241	3	SPC 170	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>30</b>
Calculus I	MTH901	MATH 133	4	MAT 210	4
Calculus II	MTH902	MATH 134	4	MAT 216	4
Calculus III	MTH903	MATH 231	4	MAT 219	4
Linear Algebra†	MTH911	MATH 311	3		
Differential Equations	MTH912	MATH 333	3	MAT 227	4
University Physics I	PHY911	PHYS 197	4	PHY 212	5
University Physics II	PHY912	PHYS 198	4	PHY 222	5
Inorganic Chemistry I	CHM911	CHEM 201	4	CHM 165	4
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHM 175	4 *
Biology GE*†	BIO910	BIOL 101	4 *		
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>
Introduction to CAD	EGR941	ENGR 105	3	CAD 172	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	Programming	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			Statics	3
Dynamics	EGR943			Dynamics	3
Strength of Materials	EGR945	ENGR 251	3	Strength of Ma	3
Engineering Circuits	EGR931	ENGR 271	3	Electric Circuit	3

## WIU ENGINEERING CURRICULUM

### Equivalent Course Offerings

Note: Titles are not exact quotes, but equivalent titles for WIU courses

	TOTAL 121			127	
	I.A.I.	WIU		College of Lake County	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECO 221	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 121	3
College Writing II	C1 901R	ENGL 280	3	ENG 122	3
Intro to public speaking	C2 900	COMM 241	3	CMM 121	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>34</b>
Calculus I	MTH901	MATH 133	4	MTH 145	5
Calculus II	MTH902	MATH 134	4	MTH 146	4
Calculus III	MTH903	MATH 231	4	MTH 246	4
Linear Algebra†	MTH911	MATH 311	3	MTH 225	3
Differential Equations	MTH912	MATH 333	3	MTH 227	3
University Physics I	PHY911	PHYS 197	4	PHY 123	5
University Physics II	PHY912	PHYS 198	4	PHY 124	5
Inorganic Chemistry I	CHM911	CHEM 201	4	CHM 121	5
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHM 123	5*
Biology GE*†	BIO910	BIOL 101	4 *	BIO 161	4*
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>
Introduction to CAD	EGR941	ENGR 105	3	EGR 121	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	MCS 140	3
Statics and Dynamics	EGR944	PHYS 312(S)	4	EGR 221	5
Statics	EGR942				
Dynamics	EGR943				
Strength of Materials	EGR945	ENGR 251	3	EGR 222	3
Engineering Circuits	EGR931	ENGR 271	3	EGR 260?	4

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

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	TOTAL 121			129	
	I.A.I.	WIU		Harold Washington College	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECO 201	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 101	3
College Writing II	C1 901R	ENGL 280	3	ENG 102	3
Intro to public speaking	C2 900	COMM 241	3	Speech 102	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>34</b>
Calculus I	MTH901	MATH 133	4	Math 207	5
Calculus II	MTH902	MATH 134	4	Math 208	5
Calculus III	MTH903	MATH 231	4	Math 209	5
Linear Algebra†	MTH911	MATH 311	3	Math 212	3
Differential Equations	MTH912	MATH 333	3	Math 210	3
University Physics I	PHY911	PHYS 197	4	Physics 235	4
University Physics II	PHY912	PHYS 198	4	Physics 236	4
Inorganic Chemistry I	CHM911	CHEM 201	4	Chem 201	5
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	Chem 203	5 *
Biology GE*†	BIO910	BIOL 101	4 *	Biology 115	4 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>20</b>
Introduction to CAD	EGR941	ENGR 105	3	Engr 131	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	Engr 190	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			Physics 215	3
Dynamics	EGR943			Physics 216	3
Strength of Materials	EGR945	ENGR 251	3	Physics 217	3
Engineering Circuits	EGR931	ENGR 271	3	Engr 215	5

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

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	TOTAL 121			125	
	I.A.I.	WIU		Spoon River College	
LOWER DIVISION COURSES		Course No.	SH	Course No.	SH
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	BUS 251	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 101	3
College Writing II	C1 901R	ENGL 280	3	ENG 102	3
Intro to public speaking	C2 900	COMM 241	3	COM 103	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>32</b>
Calculus I	MTH901	MATH 133	4	MAT 151	5
Calculus II	MTH902	MATH 134	4	MAT 152	5
Calculus III	MTH903	MATH 231	4	MAT 251	3
Linear Algebra†	MTH911	MATH 311	3	MAT 263	3
Differential Equations	MTH912	MATH 333	3	MAT 265	3
University Physics I	PHY911	PHYS 197	4	PH 121	4
University Physics II	PHY912	PHYS 198	4	PH 122	4
Inorganic Chemistry I	CHM911	CHEM 201	4	CHE 170	5
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHE 180	5 *
Biology GE*†	BIO910	BIOL 101	4 *	BIO 140	3 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>
Introduction to CAD	EGR941	ENGR 105	3	CAD 110	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CS 147	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			Statics	3
Dynamics	EGR943			Dynamics	3
Strength of Materials	EGR945	ENGR 251	3	Strength of Ma	3
Engineering Circuits	EGR931	ENGR 271	3	Electric Circuit	3

## WIU ENGINEERING CURRICULUM

### Equivalent Course Offerings

Note: Titles are not exact quotes, but equivalent titles for WIU courses

	TOTAL		121	128	
	I.A.I.	WIU		Sauk Valley CC	
LOWER DIVISION COURSES		Course No.	SH	Course No.	SH
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECO 211 (S)	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 101 (FS)	3
College Writing II	C1 901R	ENGL 280	3	ENG 103 (FS)	3
Intro to public speaking	C2 900	COMM 241	3	SPC 170	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>33</b>
Calculus I	MTH901	MATH 133	4	MAT 203(FS)	4
Calculus II	MTH902	MATH 134	4	MAT 204 (S)	4
Calculus III	MTH903	MATH 231	4	MAT 205 (S)	4
Linear Algebra†	MTH911	MATH 311	3	MAT 231	3
Differential Equations	MTH912	MATH 333	3	MAT 211(F)	3
University Physics I	PHY911	PHYS 197	4	PHY 211 (S)	5
University Physics II	PHY912	PHYS 198	4	PHY 212 (F)	5
Inorganic Chemistry I	CHM911	CHEM 201	4	CHE 105(F)	5
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHE 106 (S)	5*
Biology GE*†	BIO910	BIOL 101	4 *		
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>20</b>
Introduction to CAD	EGR941	ENGR 105	3	EGR 103	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CIS 207	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			PHY 221 (F)	3
Dynamics	EGR943			PHY 222 (S)	3
Strength of Materials	EGR945	ENGR 251	3	Strength of Ma	3
Engineering Circuits	EGR931	ENGR 271	3	PHY 246/7	5

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

Note: Titles are not exact quotes, but equivalent titles for WIU courses

	TOTAL 121			128	
	I.A.I.	WIU		Kishwaukee College	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECO 260	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 103	3
College Writing II	C1 901R	ENGL 280	3	ENG 104	3
Intro to public speaking	C2 900	COMM 241	3	SPE 100	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>35</b>
Calculus I	MTH901	MATH 133	4	MAT 229	5
Calculus II	MTH902	MATH 134	4	MAT 230	4
Calculus III	MTH903	MATH 231	4	MAT 231	4
Linear Algebra†	MTH911	MATH 311	3	MAT 240	4
Differential Equations	MTH912	MATH 333	3	MAT 260	3
University Physics I	PHY911	PHYS 197	4	PHY 260	5
University Physics II	PHY912	PHYS 198	4	PHY 261	5
Inorganic Chemistry I	CHM911	CHEM 201	4	CHE 210	5
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHE 211	5 *
Biology GE*†	BIO910	BIOL 101	4 *	BIO 101/2	4 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>
Introduction to CAD	EGR941	ENGR 105	3	EGR 277	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CS 147	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			EGR 270	3
Dynamics	EGR943			EGR 272	3
Strength of Materials	EGR945	ENGR 251	3	EGR 280	3
Engineering Circuits	EGR931	ENGR 271	3	EGR 290	3





# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

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	TOTAL 121			126	
	I.A.I.	WIU		Illinois Valley Community College	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3		3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 1001	3
College Writing II	C1 901R	ENGL 280	3	ENG 1002	3
Intro to public speaking	C2 900	COMM 241	3	SPH 1001	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>32</b>
Calculus I	MTH901	MATH 133	4	MTH 2001	5
Calculus II	MTH902	MATH 134	4	MTH 2002	4
Calculus III	MTH903	MATH 231	4	MTH 2003	4
Linear Algebra†	MTH911	MATH 311	3	MTH 2006	3
Differential Equations	MTH912	MATH 333	3	MTH 2007	3
University Physics I	PHY911	PHYS 197	4	PHY 2001	4
University Physics II	PHY912	PHYS 198	4	PHY 2002	4
Inorganic Chemistry I	CHM911	CHEM 201	4	CHM 1006	5
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHM 1007	5 *
Biology GE*†	BIO910	BIOL 101	4 *	BIOL 1000	3 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>19</b>
Introduction to CAD	EGR941	ENGR 105	3	EGR 1000	4
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CSI 1007	4
Statics and Dynamics	EGR944	PHYS 312(S)	4	TAM 2001	5
Statics	EGR942				
Dynamics	EGR943				
Strength of Materials	EGR945	ENGR 251	3	Strength of Ma	3
Engineering Circuits	EGR931	ENGR 271	3	Electric Circuits	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

Note: Titles are not exact quotes, but equivalent titles for WIU courses

	TOTAL 121			124	
	I.A.I.	WIU		Heartland CC	
LOWER DIVISION COURSES		Course No.	SH	Course No.	SH
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>30</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECON 111	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENGL 101	3
College Writing II	C1 901R	ENGL 280	3	ENGL 102	3
Intro to public speaking	C2 900	COMM 241	3		
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>33</b>
Calculus I	MTH901	MATH 133	4	MATH 161	4
Calculus II	MTH902	MATH 134	4	MATH 162	4
Calculus III	MTH903	MATH 231	4	MATH 163	4
Linear Algebra†	MTH911	MATH 311	3	MATH 240	4
Differential Equations	MTH912	MATH 333	3	MATH 272	4
University Physics I	PHY911	PHYS 197	4	PHYS 171	4
University Physics II	PHY912	PHYS 198	4	PHYS 172	4
Inorganic Chemistry I	CHM911	CHEM 201	4	CHEM 161	5
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHEM 162	5 *
Biology GE*†	BIO910	BIOL 101	4 *	BIOL 110	4 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>19</b>
Introduction to CAD	EGR941	ENGR 105	3	ENGR 110	4
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CSIS 171	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			ENGR 271	3
Dynamics	EGR943			ENGR 272	3
Strength of Materials	EGR945	ENGR 251	3	Strength of Ma	3
Engineering Circuits	EGR931	ENGR 271	3	Electric Circuits	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

Note: Titles are not exact quotes, but equivalent titles for WIU courses

	TOTAL 121			127	
	I.A.I.	WIU		Illinois Central College	
LOWER DIVISION COURSES		Course No.	SH	Course No.	SH
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECON 110	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENGL 110	3
College Writing II	C1 901R	ENGL 280	3	ENGL 111	3
Intro to public speaking	C2 900	COMM 241	3	COMM 110	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>31</b>
Calculus I	MTH901	MATH 133	4	MATH 222	5
Calculus II	MTH902	MATH 134	4	MATH 223	4
Calculus III	MTH903	MATH 231	4	MATH 224	4
Linear Algebra†	MTH911	MATH 311	3	MATH 230	3
Differential Equations	MTH912	MATH 333	3	MATH 250	3
University Physics I	PHY911	PHYS 197	4	PHYS 211	4
University Physics II	PHY912	PHYS 198	4	PHYS 212	4
Inorganic Chemistry I	CHM911	CHEM 201	4	CHEM 130	4
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHEM 132	4 *
Biology GE*†	BIO910	BIOL 101	4 *	BIOL 114	4 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>21</b>
Introduction to CAD	EGR941	ENGR 105	3	ENGR 113	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	ENGR 230	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			ENGR 251	3
Dynamics	EGR943			ENGR 252	3
Strength of Materials	EGR945	ENGR 251	3	Strength of Ma	3
Engineering Circuits	EGR931	ENGR 271	3	ENGR 240/1	6

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

Note: Titles are not exact quotes, but equivalent titles for WIU courses

	TOTAL 121			126	
	I.A.I.	WIU		Carl Sandburg College	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECO 200	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 101	3
College Writing II	C1 901R	ENGL 280	3	ENG 102	3
Intro to public speaking	C2 900	COMM 241	3	SPE 120	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>33</b>
Calculus I	MTH901	MATH 133	4	MAT 240	5
Calculus II	MTH902	MATH 134	4	MAT 241	5
Calculus III	MTH903	MATH 231	4	MAT 242	4
Linear Algebra†	MTH911	MATH 311	3	MAT 250	3
Differential Equations	MTH912	MATH 333	3	MAT 260	3
University Physics I	PHY911	PHYS 197	4	PHY 161	5
University Physics II	PHY912	PHYS 198	4	PHY 162	5
Inorganic Chemistry I	CHM911	CHEM 201	4	CHM 110	4
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHM 120	4 *
Biology GE*†	BIO910	BIOL 101	4 *	BIO 120	3 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>
Introduction to CAD	EGR941	ENGR 105	3	DRF 206	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CIS 128	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			PHY 200	3
Dynamics	EGR943			PHY 210	3
Strength of Materials	EGR945	ENGR 251	3	Strength of Mater	3
Engineering Circuits	EGR931	ENGR 271	3	Electric Circuits	3

## WIU ENGINEERING CURRICULUM

### Equivalent Course Offerings

Note: Titles are not exact quotes, but equivalent titles for WIU courses

	TOTAL 121			127	
	I.A.I.	WIU		Oakton Community College	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
Social Science (6 s.h. + MacroEcon)			6		6
Macroeconomics	S3 901	Econ 231	3	ECO 201	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	EGL 101	3
College Writing II	C1 901R	ENGL 280	3	EGL 102	3
Intro to public speaking	C2 900	COMM 241	3	SPE 103	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>33</b>
Calculus I	MTH901	MATH 133	4	MAT 250	5
Calculus II	MTH902	MATH 134	4	MAT 251	4
Calculus III	MTH903	MATH 231	4	MAT 252	4
Linear Algebra†	MTH911	MATH 311	3	MAT 260	3
Differential Equations	MTH912	MATH 333	3	MAT 262	3
University Physics I	PHY911	PHYS 197	4	PHY 221	5
University Physics II	PHY912	PHYS 198	4	PHY 222	5
Inorganic Chemistry I	CHM911	CHEM 201	4	CHM 121	4
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHM 122	4 *
Biology GE*†	BIO910	BIOL 101	4 *	BIOL 121	4 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>19</b>
Introduction to CAD	EGR941	ENGR 105	3	ENG 120	3
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CSC 170/171-3	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			ENG 211	3
Dynamics	EGR943			ENG 212	3
Strength of Materials	EGR945	ENGR 251	3	ENG 217	3
Engineering Circuits	EGR931	ENGR 271	3	ENG 220	4



## WIU ENGINEERING CURRICULUM

Equivalent Course Offerings	TOTAL		121	127	
	I.A.I.	WIU		Waubonsee Community College	
		Course No.	SH	Course No.	SH
<b>LOWER DIVISION COURSES</b>					
<b>GENERAL EDUCATION</b>	I.A.I.	TOTAL		TOTAL	
Social Science (6 s.h. + MacroEcon)			33		33
Macroeconomics	S3 901	Econ 231	3	ECN 121	3
Humanities & Fine Arts			9		9
Human well being			3		3
Multicultural Studies			3		3
College Writing I	C1 900	ENGL 180	3	ENG 101	3
College Writing II	C1 901R	ENGL 280	3	ENG 102	3
Intro to public speaking	C2 900	COMM 241	3	COM 100	3
<b>MATH &amp; SCIENCE (ABET 30 hrs)</b>	I.A.I.	Total		Total	
Calculus I	MTH901	MATH 133	4	MTH 131	4
Calculus II	MTH902	MATH 134	4	MTH 132	4
Calculus III	MTH903	MATH 231	4	MTH 233	4
Linear Algebra†	MTH911	MATH 311	3	MTH 236	4
Differential Equations	MTH912	MATH 333	3	MTH 240	3
University Physics I	PHY911	PHYS 197	4	PHY 221	5
University Physics II	PHY912	PHYS 198	4	PHY 222	5
Inorganic Chemistry I	CHM911	CHEM 201	4	CHM 121	4
Inorganic Chemistry II*†	CHM912	CHEM 202	4 *	CHM 122	4 *
Biology GE*†	BIO910	BIOL 101	4 *	BIO 120	3 *
* Optional, not required for QC program					
† Not required or recommended by IAI					
<b>ENGINEERING CORE COURSES</b>	I.A.I.	Total		Total	
Introduction to CAD	EGR941	ENGR 105	3	EGR 101	4
Programming for Engineering & Science	CS911	CS 225(F,S)	3	CIS 130or150	3
Statics and Dynamics	EGR944	PHYS 312(S)	4		
Statics	EGR942			EGR 220	3
Dynamics	EGR943			EGR 230	3
Strength of Materials	EGR945	ENGR 251	3	Strength of Mater	3
Engineering Circuits	EGR931	ENGR 271	3	ENGR 240	3