

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

**TOTAL 121**

**127**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

I.A.I.	WIU		Blackhawk CC	
	Course No.	SH	Course No.	SH
	<b>TOTAL</b>	<b>33</b>		<b>33</b>
	S3 901	Econ 231	EC 221	3
				6
				9
				3
				3
	C1 900	ENGL 180	ENG 101	3
	C1 901R	ENGL 280	ENG 102	3
	C2 900	COMM 241	SPEC 101	3
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>34</b>
	MTH901	MATH 133	MATH 124(F,S)	4
	MTH902	MATH 134	MATH 225(F,S)	4
	MTH903	MATH 231	MATH 226(F,S)	5
	MTH912	MATH 333	MATH 235(S)	3
	PHY911	PHYS 211	PHYS 201(F,S)	5
	PHY912	PHYS 213	PHYS 202(F)	5
				3
	CHM911	CHEM 201	CHEM 101(F,S)	4
	CHM912	CHEM 202	CHEM 102(F,S)	4
	BIO910	BIOL 101	BIOL 105	5 *
				4 *
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>18</b>
	EGR941	ENGR 105	GE 101(F,S)	3
		ENGR 220	CS 251 (F)	3
	EGR944	PHYS 312(S)		4
	EGR942		GE 201 (F)	3
	EGR943		GE 202(S)	3
	EGR945	ENGR 251	GE 205(S)	3
	EGR931	ENGR 271	GT 200(S)	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

**TOTAL**

**121**

**128**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

I.A.I.	WIU		Scott CC	
I.A.I.	Course No.	SH	Course No.	SH
	<b>TOTAL</b>	<b>33</b>		<b>33</b>
		6		6
S3 901	Econ 231	3	ECN 120	3
		9		9
		3		3
		3		3
C1 900	ENGL 180	3	ENG 107	3
C1 901R	ENGL 280	3	ENG 108	3
C2 900	COMM 241	3	SPC 170	3
<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>34</b>
MTH901	MATH 133	4	MAT 210(FS)	4
MTH902	MATH 134	4	MAT 216(FS)	4
MTH903	MATH 231	4	MAT 219(S)	4
MTH912	MATH 333	3	MAT 227(F)	4
PHY911	PHYS 211	4	PHY 212(S)	5
PHY912	PHYS 213	4	PHY 222(F)	5
		3		
CHM911	CHEM 201	4	CHM 165(FS)	4
CHM912	CHEM 202	4	CHM 175	4
BIO910	BIOL 101	4 *		
<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>19</b>
EGR941	ENGR 105	3	EGR 112	3
	ENGR 220	3	CIS 161	4
EGR944	PHYS 312(S)	4		
EGR942			EGR 180	3
EGR943			EGR 280	3
EGR945	ENGR 251	3	EGR 170	3
EGR931	ENGR 271	3	EGR 285	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

TOTAL

121

127

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

	I.A.I.	WIU	SH	South Eastern Community College	SH
<b>LOWER DIVISION COURSES</b>		<b>Course No.</b>	<b>SH</b>	<b>Course No.</b>	<b>SH</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>34</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
Differential Equations	MTH912	MATH 333	3	MAT 227	4
University Physics I (Chg's #)	PHY911	PHYS 211	4	PHY 212	5
University Physics III (Chg'd #)	PHY912	PHYS 213	4	PHY 222	5
Other Physics†			3		
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					
† Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course					
<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
Computational Methods for Engineers (New)		ENGR 220	3	CME	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			124	
	I.A.I.	WIU		College of Lake County	
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 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>31</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
Differential Equations	MTH912	MATH 333	3	MTH 227	3
University Physics I (Chg's #)	PHY911	PHYS 211	4	PHY 123	5
University Physics III (Chg'd #)	PHY912	PHYS 213	4	PHY 124	5
Other Physics†			3		
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					
† Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course					
<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
Computational Methods for Engineers (New)		ENGR 220	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

**TOTAL**

**121**

**131**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

I.A.I.	WIU		Harold Washington College	
	Course No.	SH	Course No.	SH
	<b>TOTAL</b>	<b>33</b>		<b>33</b>
	S3 901	Econ 231	ECO 201	3
				6
				9
				3
				3
	C1 900	ENGL 180	ENG 101	3
	C1 901R	ENGL 280	ENG 102	3
	C2 900	COMM 241	Speech 102	3
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>36</b>
	MTH901	MATH 133	Math 207	5
	MTH902	MATH 134	Math 208	5
	MTH903	MATH 231	Math 209	5
	MTH912	MATH 333	Math 210	3
	PHY911	PHYS 211	Physics 235	4
	PHY912	PHYS 213	Physics 236	4
				3
	CHM911	CHEM 201	Chem 201	5
	CHM912	CHEM 202	Chem 203	5
	BIO910	BIOL 101	Biology 115	4 *
				4 *
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>20</b>
	EGR941	ENGR 105	Engr 131	3
		ENGR 220	Engr 190	3
	EGR944	PHYS 312(S)		4
	EGR942		Physics 215	3
	EGR943		Physics 216	3
	EGR945	ENGR 251	Physics 217	3
	EGR931	ENGR 271	Engr 215	5

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

**TOTAL**

**121**

**127**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

I.A.I.	WIU		Spoon River College	
I.A.I.	Course No.	SH	Course No.	SH
	<b>TOTAL</b>	<b>33</b>		<b>33</b>
	S3 901	Econ 231	BUS 251	3
		6		6
		9		9
		3		3
		3		3
	C1 900	ENGL 180	ENG 101	3
	C1 901R	ENGL 280	ENG 102	3
	C2 900	COMM 241	COM 103	3
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>34</b>
	MTH901	MATH 133	MAT 151	5
	MTH902	MATH 134	MAT 152	5
	MTH903	MATH 231	MAT 251	3
	MTH912	MATH 333	MAT 265	3
	PHY911	PHYS 211	PH 121	4
	PHY912	PHYS 213	PH 122	4
		3		
	CHM911	CHEM 201	CHE 170	5
	CHM912	CHEM 202	CHE 180	5
	BIO910	BIOL 101	BIO 140	3 *
		4 *		
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>18</b>
	EGR941	ENGR 105	CAD 110	3
		3		
		3	CS 147	3
	EGR944	PHYS 312(S)		4
	EGR942		Statics	3
	EGR943		Dynamics	3
	EGR945	ENGR 251	Strength of Ma	3
	EGR931	ENGR 271	Electric Circuit	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

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

	TOTAL 121			125	
	I.A.I.	WIU		Sauk Valley CC	
<b>LOWER DIVISION COURSES</b>		<b>Course No.</b>	<b>SH</b>	<b>Course No.</b>	<b>SH</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 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>30</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
Differential Equations	MTH912	MATH 333	3	MAT 211(F)	3
University Physics I (Chg's #)	PHY911	PHYS 211	4	PHY 211 (S)	5
University Physics III (Chg'd #)	PHY912	PHYS 213	4	PHY 212 (F)	5
Other Physics†			3		
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					
† Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course					
<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
Computational Methods for Engineers (New)		ENGR 220	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

**TOTAL**

**121**

**124**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

	I.A.I.	WIU	SH	Kishwaukee College	SH
		<b>Course No.</b>	<b>SH</b>	<b>Course No.</b>	<b>SH</b>
	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
			6		6
	S3 901	Econ 231	3	ECO 260	3
			9		9
			3		3
			3		3
	C1 900	ENGL 180	3	ENG 103	3
	C1 901R	ENGL 280	3	ENG 104	3
	C2 900	COMM 241	3	SPE 100	3
	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>31</b>
	MTH901	MATH 133	4	MAT 229	5
	MTH902	MATH 134	4	MAT 230	4
	MTH903	MATH 231	4	MAT 231	4
	MTH912	MATH 333	3	MAT 260	3
	PHY911	PHYS 211	4	PHY 260	5
	PHY912	PHYS 213	4	PHY 261	5
			3		
	CHM911	CHEM 201	4	CHE 210	5
	CHM912	CHEM 202	4	CHE 211	5
	BIO910	BIOL 101	4 *	BIO 101/2	4 *
	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>18</b>
	EGR941	ENGR 105	3	EGR 277	3
		ENGR 220	3	CS 147	3
	EGR944	PHYS 312(S)	4		
	EGR942			EGR 270	3
	EGR943			EGR 272	3
	EGR945	ENGR 251	3	EGR 280	3
	EGR931	ENGR 271	3	EGR 290	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

**TOTAL**

**121**

**129**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

I.A.I.	WIU		Rock Valley College	
	Course No.	SH	Course No.	SH
	<b>TOTAL</b>	<b>33</b>		<b>33</b>
		6		6
S3 901	Econ 231	3	ECO 110	3
		9		9
		3		3
		3		3
C1 900	ENGL 180	3	ENG 101	3
C1 901R	ENGL 280	3	ENG 103	3
C2 900	COMM 241	3	SPE 131	3
	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>34</b>
MTH901	MATH 133	4	MAT 135	5
MTH902	MATH 134	4	MAT 235	4
MTH903	MATH 231	4	MAT 236	4
MTH912	MATH 333	3	MAT 240	3
PHY911	PHYS 211	4	PHY 215	5
PHY912	PHYS 213	4	PHY 225	5
		3		
CHM911	CHEM 201	4	CHM 101	4
CHM912	CHEM 202	4	CHM 102	4
BIO910	BIOL 101	4 *	BIO 106/7	4 *
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>20</b>
EGR941	ENGR 105	3	EGR 135	4
	ENGR 220	3	CIS 276	4
EGR944	PHYS 312(S)	4		
EGR942			EGR 206	3
EGR943			EGR 207	3
EGR945	ENGR 251	3	EGR 221	3
EGR931	ENGR 271	3	EGR 231	3





# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

**TOTAL**

**121**

**125**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

I.A.I.	WIU		Heartland CC	
	Course No.	SH	Course No.	SH
	<b>TOTAL</b>	<b>33</b>		<b>30</b>
	S3 901	Econ 231	ECON 111	3
				6
				9
				3
				3
	C1 900	ENGL 180	ENGL 101	3
	C1 901R	ENGL 280	ENGL 102	3
	C2 900	COMM 241		3
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>34</b>
	MTH901	MATH 133	MATH 161	4
	MTH902	MATH 134	MATH 162	4
	MTH903	MATH 231	MATH 163	4
	MTH912	MATH 333	MATH 272	4
	PHY911	PHYS 211	PHYS 171	4
	PHY912	PHYS 213	PHYS 172	4
				3
	CHM911	CHEM 201	CHEM 161	5
	CHM912	CHEM 202	CHEM 162	5
	BIO910	BIOL 101	BIOL 110	4 *
				4 *
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>19</b>
	EGR941	ENGR 105	ENGR 110	4
		ENGR 220	CSIS 171	3
	EGR944	PHYS 312(S)		4
	EGR942		ENGR 271	3
	EGR943		ENGR 272	3
	EGR945	ENGR 251	Strength of Ma	3
	EGR931	ENGR 271	Electric Circuits	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

**TOTAL**

**121**

**128**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

I.A.I.	WIU		Illinois Central College	
	Course No.	SH	Course No.	SH
	<b>TOTAL</b>	<b>33</b>		<b>33</b>
	S3 901	Econ 231	ECON 110	3
				6
				9
				3
				3
	C1 900	ENGL 180	ENGL 110	3
	C1 901R	ENGL 280	ENGL 111	3
	C2 900	COMM 241	COMM 110	3
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>32</b>
	MTH901	MATH 133	MATH 222	5
	MTH902	MATH 134	MATH 223	4
	MTH903	MATH 231	MATH 224	4
	MTH912	MATH 333	MATH 250	3
	PHY911	PHYS 211	PHYS 211	4
	PHY912	PHYS 213	PHYS 212	4
				3
	CHM911	CHEM 201	CHEM 130	4
	CHM912	CHEM 202	CHEM 132	4
	BIO910	BIOL 101	BIOL 114	4 *
				4 *
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>21</b>
	EGR941	ENGR 105	ENGR 113	3
		ENGR 220	ENGR 230	3
	EGR944	PHYS 312(S)		4
	EGR942		ENGR 251	3
	EGR943		ENGR 252	3
	EGR945	ENGR 251	Strength of Ma	3
	EGR931	ENGR 271	ENGR 240/1	6

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

**TOTAL 121**

**128**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

I.A.I.	WIU		Carl Sandburg College	
	Course No.	SH	Course No.	SH
	<b>TOTAL</b>	<b>33</b>		<b>33</b>
	S3 901	Econ 231	ECO 200	3
				6
				9
				3
				3
	C1 900	ENGL 180	ENG 101	3
	C1 901R	ENGL 280	ENG 102	3
	C2 900	COMM 241	SPE 120	3
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>35</b>
	MTH901	MATH 133	MAT 240	5
	MTH902	MATH 134	MAT 241	5
	MTH903	MATH 231	MAT 242	4
	MTH912	MATH 333	MAT 260	3
	PHY911	PHYS 211	PHY 161	5
	PHY912	PHYS 213	PHY 162	5
				3
	CHM911	CHEM 201	CHM 110	4
	CHM912	CHEM 202	CHM 120	4
	BIO910	BIOL 101	BIO 120	3 *
				4 *
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>18</b>
	EGR941	ENGR 105	DRF 206	3
		ENGR 220	CIS 128	3
	EGR944	PHYS 312(S)		4
	EGR942		PHY 200	3
	EGR943		PHY 210	3
	EGR945	ENGR 251	Strength of Mater	3
	EGR931	ENGR 271	Electric Circuits	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		Oakton Community 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	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>34</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
Differential Equations	MTH912	MATH 333	3	MAT 262	3
University Physics I (Chg's #)	PHY911	PHYS 211	4	PHY 221	5
University Physics III (Chg'd #)	PHY912	PHYS 213	4	PHY 222	5
Other Physics†			3		
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					
† Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course					
<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
Computational Methods for Engineers (New)		ENGR 220	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**

**124**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

I.A.I.	WIU		John Wood CC	
I.A.I.	Course No.	SH	Course No.	SH
	<b>TOTAL</b>	<b>33</b>		<b>33</b>
		6		6
	S3 901	Econ 231	MacroEcon	3
		9		9
		3		3
		3		3
	C1 900	ENGL 180	ENG 101	3
	C1 901R	ENGL 280	ENG 102	3
	C2 900	COMM 241	CMN 101	3
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>31</b>
	MTH901	MATH 133	MAT 220	4
	MTH902	MATH 134	MAT 221	4
	MTH903	MATH 231	MAT 222	4
	MTH912	MATH 333	MAT 251	3
	PHY911	PHYS 211	PHY 223	4
	PHY912	PHYS 213	PHY 224	4
		3		
	CHM911	CHEM 201	CHM 103	4
	CHM912	CHEM 202	CHM 104	4
	BIO910	BIOL 101	BIO 102	3 *
		4 *		
	<b>I.A.I.</b>	<b>Total</b>	<b>Total</b>	<b>18</b>
	EGR941	ENGR 105	CAD	3
		3	Programming	3
	EGR944	PHYS 312(S)		3
	EGR942		Statics	3
	EGR943		Dynamics	3
	EGR945	ENGR 251	Strength of Ma	3
	EGR931	ENGR 271	Electric Circuit	3

# WIU ENGINEERING CURRICULUM

## Equivalent Course Offerings

**TOTAL 121**

**127**

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

### LOWER DIVISION COURSES

#### GENERAL EDUCATION

Social Science (6 s.h. + MacroEcon)

    Macroeconomics

Humanities & Fine Arts

Human well being

Multicultural Studies

College Writing I

College Writing II

Intro to public speaking

#### MATH & SCIENCE (ABET 30 hrs)

Calculus I

Calculus II

Calculus III

Differential Equations

University Physics I (Chg's #)

University Physics III (Chg'd #)

Other Physics†

Inorganic Chemistry I

Inorganic Chemistry II†

Biology GE\*

    \* Optional, not required for QC program

    † Students must complete 15 hours of Physics or Chemistry; Take a 2nd Chem or 3rd Physics Course

#### ENGINEERING CORE COURSES

Introduction to CAD

Computational Methods for Engineers (New)

Statics and Dynamics

    Statics

    Dynamics

Strength of Materials

Engineering Circuits

	I.A.I.	WIU		Waubonsee Community College	
		<b>Course No.</b>	<b>SH</b>	<b>Course No.</b>	<b>SH</b>
	<b>I.A.I.</b>	<b>TOTAL</b>	<b>33</b>		<b>33</b>
			6		6
	S3 901	Econ 231	3	ECN 121	3
			9		9
			3		3
			3		3
	C1 900	ENGL 180	3	ENG 101	3
	C1 901R	ENGL 280	3	ENG 102	3
	C2 900	COMM 241	3	COM 100	3
	<b>I.A.I.</b>	<b>Total</b>	<b>30</b>	<b>Total</b>	<b>33</b>
	MTH901	MATH 133	4	MTH 131	4
	MTH902	MATH 134	4	MTH 132	4
	MTH903	MATH 231	4	MTH 233	4
	MTH912	MATH 333	3	MTH 240	3
	PHY911	PHYS 211	4	PHY 221	5
	PHY912	PHYS 213	4	PHY 222	5
			3		
	CHM911	CHEM 201	4	CHM 121	4
	CHM912	CHEM 202	4	CHM 122	4
	BIO910	BIOL 101	4 *	BIO 120	3 *
	<b>I.A.I.</b>	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>19</b>
	EGR941	ENGR 105	3	EGR 101	4
		ENGR 220	3	CIS 130or150	3
	EGR944	PHYS 312(S)	4		
	EGR942			EGR 220	3
	EGR943			EGR 230	3
	EGR945	ENGR 251	3	Strength of Mater	3
	EGR931	ENGR 271	3	ENGR 240	3