



UNIVERSITY OF DAYTON

and

SINCLAIR COMMUNITY COLLEGE

Articulation Agreements
University of Dayton School of Engineering

University of Dayton

Eddy Rojas Molina
Eddy Rojas
Dean, School of Engineering

1-8-16
Date

Sinclair Community College

Anthony M. Ponder
Anthony M. Ponder
Dean, Science, Mathematics and Engineering

7/11/2016
Date

Paul H. Benson
Paul H. Benson
Interim Provost

January 22, 2016
Date

David L. Collins
David L. Collins
Provost

7/12/16
Date

The University of Dayton – Sinclair Community College

Transfer Guide Leading to the University of Dayton Bachelor of Civil Engineering Degree

Introduction

The information in this guide has been reviewed by officials at the listed senior institutions and has been verified as transferable and applicable towards the major listed. The student who intends to transfer to The University of Dayton for the degree listed, and who completes an A.S. degree in Engineering University Transfer at Sinclair Community College, may apply for a Sinclair Guarantee. (To qualify for the Sinclair Guarantee, all coursework for the A.S. degree must be completed at Sinclair Community College.) For information about the Sinclair Guarantee, contact your Academic Advisor.

Course of Study

SINCLAIR COMMUNITY COLLEGE

First Semester			Second Semester		
ENG	1101	3	ENG	1201	3
MAT	2270	5	MAT	2280	5
CHE	1211/1251	5	PHY	2201/2207	5
HIS	1111/1112	3	PHI	2205	3
² Arts & Humanities Elective		3	³ Social & Behavioral Science Elective		3
Total		19	Total		19
Third Semester			Fourth Semester		
CHE	1221/1261	5	MAT	2310	4
COM	2211	3	MEE	2301	3
MAT	2290	5	MEE	2401	3
MEE	2101	5	PHY	2202/2208	5
EGR	1156	3	MEE	2201	3
¹ CEE	213	2	¹ CEE	214	2
Total		21	Total		20
Summer at UD					
¹ CEE	215L	3			
Total		3			

1. Must be taken as a CEE Consortium Credit.
2. Need to select one of the following courses:
 - PLS 1120 - 3
 - ECO 2180 - 3
 - ECO 2160 - 3
 - PSY 1100 - 3
 - SOC 1101 - 3

3. Need to select one of the following courses:

ART 1110 – 3

MUS 1121 – 3

THE 1101 - 3

THE UNIVERSITY OF DAYTON

First Semester			Second Semester		
CEE	313/313L	4	CEE	312/312L	4
CEE	316	3	CEE	311/311L	3
CEE	403	3	CEE	333	3
GEO	218	3	CEE	411	3
PHL	316	3	CEE	300	0
CEE	300	0	CEE	425	3
CEE	221L	2	EGR	103	2
Total		18	Total		18
Third Semester			Fourth Semester		
CEE	412	3	CEE	400	0
CEE	434/434L	4	CEE	450	3
CEE	Elective	3	HST	343	3
CEE	Elective	3	CEE/Tech Elective		3
CEE	400	0	CEE Electives		3
Adv. CAP REL		3	Gen. Ed CAP		3
Total		16	Total		15

Notes:

1. The humanities electives should be selected to satisfy the Social Science and Humanities elective requirements of the A.S. degree. To ensure transferability to the University of Dayton these electives should be selected from the approved list.

The University of Dayton – Sinclair Community College

Transfer Guide Leading to the University of Dayton Bachelor of Chemical Engineering Degree

Introduction

The information in this guide has been reviewed by officials at the listed senior institutions and has been verified as transferable and applicable towards the major listed. The student who intends to transfer to The University of Dayton for the degree listed, and who completes an A.S. degree in Engineering University Transfer at Sinclair Community College, may apply for a Sinclair Guarantee. (To qualify for the Sinclair Guarantee, all coursework for the A.S. degree must be completed at Sinclair Community College.) For information about the Sinclair Guarantee, contact your Academic Advisor.

Course of Study

SINCLAIR COMMUNITY COLLEGE

First Semester			Second Semester		
ENG	1101	3	ENG	1201	3
MAT	2270	5	MAT	2280	5
CHE	1211/1251	5	CHE	1221/1261	5
HIS	1111/1112	3	PHY	2201/2207	5
² Social & Behavioral Science Elective		3	³ Arts & Humanities Elective		3
Total		19	Total		21
Third Semester			Fourth Semester		
CHE	2111/2151	5	MAT	2310	4
MEE	2101	3	CHE	2121/2161	5
PHI	2205	3	MEE	2201	3
MAT	2290	5	PHY	2202/2208	5
COM	2211	3			
Total		19	Total		15
² CME	203	3			
² CME	281	3			

1. Must be taken as a CME Consortium Credit.
2. Need to select one of the following courses:
 - PLS 1120 - 3
 - ECO 2180 - 3
 - ECO 2160 - 3
 - PSY 1100 - 3
 - SOC 1101 - 3

3. Need to select one of the following courses:

- ART 1110 - 3
- MUS 1121 - 3
- THE 1101 - 3

THE UNIVERSITY OF DAYTON

First Semester			Second Semester		
CME	311	3	CME	365	3
CME	324	3	CME	306	3
CME	381	3	CME	325	3
EGR	103	2	CME	326L	2
PHL Ethics	3XX	3	EGR	203	3
Gen. Ed CAP		3	Gen. Ed CAP		3
Total		17	Total		17
Third Semester			Fourth Semester		
CME	466L	2	CME	453L	2
CME	465	3	CME	431	3
CME	430	3	CME	408	0/1
CME	452	3	CME Elective		3
CME	408	0/1	ENGR/SCI Electives		3
Adv. CAP REL		3	ENGR/SCI Electives		3
CHM/BIO	Elective	3			
Total		17/18	Total		14/15

Notes:

1. The humanities electives should be selected to satisfy the Social Science and Humanities elective requirements of the A.S. degree. To ensure transferability to the University of Dayton these electives should be selected from the approved list.

The University of Dayton – Sinclair Community College

Transfer Guide Leading to the University of Dayton Bachelor of Computer Engineering Degree

Introduction

The information in this guide has been reviewed by officials at the listed senior institutions and has been verified as transferable and applicable towards the major listed. The student who intends to transfer to The University of Dayton for the degree listed, and who completes an A.S. degree in Engineering University Transfer at Sinclair Community College, may apply for a Sinclair Guarantee. (To qualify for the Sinclair Guarantee, all coursework for the A.S. degree must be completed at Sinclair Community College.) For information about the Sinclair Guarantee, contact your Academic Advisor.

Course of Study

SINCLAIR COMMUNITY COLLEGE

First Semester			Second Semester		
ENG	1101	3	ENG	1201	3
MAT	2270	5	MAT	2280	5
CHE	1211/1251	5	PHY	2201/2207	5
HIS	1111/1112	3	³ Arts & Humanities Elective		3
² Social & Behavioral Science Elective		3			
Total		19	Total		16
Third Semester			Fourth Semester		
COM	2211	3	MAT	2310	4
MEE	2101	3	MEE	2201	3
PHI	2205	3	PHY	2202/2208	5
MAT	2290	5	EGR	1156	3
Total		14	Total		15
¹ ECE 204/204L	4		¹ CPS 350	3	
¹ ECE 215/215L	4				
¹ CPS 150	4				
¹ ECE	201L	1			
¹ CPS	151	4			
¹ ECE 203		1			

1. Must be taken as a CPE Consortium Credit.

2. Need to select one of the following courses:

- PLS 1120 - 3
- ECO 2180 - 3
- ECO 2160 - 3
- PSY 1100 - 3

SOC 1101 - 3

3. Need to select one of the following courses:

ART 1110 - 3

MUS 1121 - 3

THE 1101 - 3

THE UNIVERSITY OF DAYTON

First Semester			Second Semester		
ECE	314/314L	4	ECE	300	0
ECE	303	3	ECE	334	3
PHL Ethics	316/319	3	ECE	340	3
CPS	341	3	ECE	304/304L	4
EGR	103	2	CPS	356	3
Total		15	Total		13
Third Semester			Fourth Semester		
ECE	444	3	ECE	432L	3
ECE	431L	2	TECH	Elective	3
CPS	444	3	ECE	449	3
TECH	Elective	3	ADV. HST. CAP		3
REL	103	3	CPS Elective		3
Adv. CAP REL		3			
Total		17	Total		15

Notes:

1. The humanities electives should be selected to satisfy the Social Science and Humanities elective requirements of the A.S. degree. To ensure transferability to the University of Dayton these electives should be selected from the approved list.

The University of Dayton – Sinclair Community College

Transfer Guide Leading to the University of Dayton Bachelor of Electrical Engineering Degree

Introduction

The information in this guide has been reviewed by officials at the listed senior institutions and has been verified as transferable and applicable towards the major listed. The student who intends to transfer to The University of Dayton for the degree listed, and who completes an A.S. degree in Engineering University Transfer at Sinclair Community College, may apply for a Sinclair Guarantee. (To qualify for the Sinclair Guarantee, all coursework for the A.S. degree must be completed at Sinclair Community College.) For information about the Sinclair Guarantee, contact your Academic Advisor.

Course of Study

SINCLAIR COMMUNITY COLLEGE

First Semester			Second Semester		
ENG	1101	3	ENG	1201	3
MAT	2270	5	MAT	2280	5
CHIE	1211/1251	5	PHY	2201/2207	5
HIS	1111/1112	3	³ Arts & Humanities Elective		3
² Social & Behavioral Science Elective		3			
Total		19	Total		16
Third Semester			Fourth Semester		
COM	2211	3	MAT	2310	4
MEE	2101	3	MEE	2201	3
PHI	2205	3	PHY	2202/2208	5
MAT	2290	5	EGR	1156	3
Total		14	Total		15
¹ ECE 204/204L		4			
¹ ECE 215/215L		4			
¹ CPS 150		4			
¹ ECE	203	1			
¹ ECE	201L	1			

1. Must be taken as a CME Consortium Credit.
2. Need to select one of the following courses:
 - PLS 1120 - 3
 - ECO 2180 - 3
 - ECO 2160 - 3
 - PSY 1100 - 3

SOC 1101 - 3

3. Need to select one of the following courses:

ART 1110 - 3

MUS 1121 - 3

THE 1101 - 3

THE UNIVERSITY OF DAYTON

First Semester			Second Semester		
ECE	332	3	ECE	300	0
ECE	314/314L	4	ECE	333	3
ECE	303/303L	4	ECE	340	3
PHL Ethics	316/319	3	ECE	334	3
MTH	Elective	3	ECE	304/304L	4
			Gen. Ed CAP		3
Total		17	Total		16
Third Semester			Fourth Semester		
ECE	415	3	ECE	432L	3
ECE	431L	2	TECH	Elective	3
ECE	401/401L	4	TECH	Elective	3
TECH	Elective	3	EGR	103	2
TECH	Elective	3	ADV. HST. CAP		3
Adv. CAP REL		3			
Total		18	Total		14

Notes:

1. The humanities electives should be selected to satisfy the Social Science and Humanities elective requirements of the A.S. degree. To ensure transferability to the University of Dayton these electives should be selected from the approved list.

The University of Dayton – Sinclair Community College

Transfer Guide Leading to the University of Dayton Bachelor of Mechanical Engineering Degree

Introduction

The information in this guide has been reviewed by officials at the listed senior institutions and has been verified as transferable and applicable towards the major listed. The student who intends to transfer to The University of Dayton for the degree listed, and who completes an A.S. degree in Engineering University Transfer at Sinclair Community College, may apply for a Sinclair Guarantee. (To qualify for the Sinclair Guarantee, all coursework for the A.S. degree must be completed at Sinclair Community College.) For information about the Sinclair Guarantee, contact your Academic Advisor.

Course of Study

SINCLAIR COMMUNITY COLLEGE

First Semester			Second Semester		
ENG	1101	3	ENG	1201	3
MAT	2270	5	MAT	2280	5
CHE	1211/1251	5	PHY	2201/2207	5
HIS	1111/1112	3	PHI	2205	3
Hum. Elective		3	² Hum. Elective		3
Total		19	Total		19
Third Semester			Fourth Semester		
COM	2211	3	MAT	2310	3
MAT	2290	5	MEE	2301	3
MEE	2101	5	MEE	2401	3
EGR	2201	3	PHY	2202/2208	5
MEE	2201	3	EGR	1156	3
			MEE	1301	3
Total		19	Total		21

1. Need to select one of the following courses:

- PLS 1120 - 3
- ECO 2180 - 3
- ECO 2160 - 3
- PSY 1100 - 3
- SOC 1101 - 3

2. Need to select one of the following courses:

- ART 1110 - 3
- MUS 1121 - 3
- THE 1101 - 3

THE UNIVERSITY OF DAYTON

First Semester			Second Semester		
MEE	314	3	MEE	344 or 478	3
MEE	321	3	MEE	341	3
MEE	312/312L	4	MEE	410/410L	4
MEE	308	3	Open Elective		3
PHL	316	3	EGR	103	2
MEE	300	0	REL	103	3
Total		16	Total		18
Third Semester			Fourth Semester		
MEE	427/431L	5	MEE	432L	3
MEE	439	4	MEE	460	3
MEE	Elective	3	MEE	Elective	3
Math/Sci	Elective	3	Open Elective		3
Adv. CAP REL		3	MEE	400	1
			Gen. Ed CAP		3
Total		18	Total		16

Notes:

1. The humanities electives should be selected to satisfy the Social Science and Humanities elective requirements of the A.S. degree. To ensure transferability to the University of Dayton these electives should be selected from the approved list.

**Bachelor of Science in Engineering Technology with a Major in
MECHANICAL ENGINEERING TECHNOLOGY**
Transfer Credit Evaluation

Name: _____ SCC Articulation _____ ID Number _____

Transcript 1 from: Sinclair Community College Dated: _____ Sch. Code: SCC

Transcript 2 from: _____ Dated: _____ Sch. Code: _____

Transcript 3 from: _____ Dated: _____ Sch. Code: _____

2015 REQUIRED

General Education			Other School		Req. Technical			Other School		
Course	Cr.	Sch. Code	Course	Credit Awarded	Course	Cr.	Sch. Code	Course	Credit Awarded	
Arts Studies ()	3				MCT-110L	2	SCC	MET 1231 or 1301 or 1331 or 1351 or 1371	2	
CMM-100	3	SCC	COM-2211	3	MCT-111L	2	SCC	MET-1281	2	
ENG-100	3	SCC	ENG-1101	3	MCT-220	3	SCC	MET-2201 + 2351		
ENG-200	3				MCT-221	3	SCC	MET-2251	3	
HST ()	3				MCT-231	3	SCC	MET-2301	3	
HST-103	3	SCC	HIS-1111 or HIS-1112		MCT-313	3				
PHL/REL ()	3				MCT-317	3				
Ethics ()	3				MCT-330	3				
PHL-103	3	SCC	PHI-2205		MCT-336	3				
REL-103	3	SCC	REL-1112		MCT-336L	1				
SSC-200	3	SCC	PSY-1100 or SOC-1101 or PLS-1120 or PLS-2200 or ECO-2180	3 0 0	MCT-342	3	SCC	MET-2101	3	
					MCT-490	3				
Core Courses					Electives					
Course	Cr.				Course	Cr.				
CHM-123	3	SCC	CHE-1211		MCT-400	3	SCC	MET-1161 / 1241	3	
CHM-123L	1	SCC	CHE-1211		MCT-400	3	SCC	MET-2401	3	
ECT-110	3	SCC	EET-1150 / 1155		MCT-400	3	SCC	MET Elective	3	
ECT-110L	1	SCC	EET-1150 / 1155		ET/SCI-EL	3				
ECT-408	2									
EGR-103	2									
IET-316	3									
IET-317	3	SCC	OPT-2208							
IET-323	3									
MFG-108L	1	SCC	CAM-1109	1						
MFG-204	3	SCC	OPT-2205 + MET-2151		Other Courses					
MFG-204L	1	SCC	OPT-2205 + MET-2151		Course	Cr.				
MFG-206L	1	SCC	OPT-1100		MTH-116	4	SCC	MAT-1580	4	
MFG-208L	1									
MFG-240	3	SCC	CAM-2114 + 2225							
MFG-431	3	SCC	EET-2281 + EGR-1217							
MTH-137	4	SCC	MAT-1295 or 2270							
MTH-138	4	SCC	MAT-2270							
MTH-207	3	SCC	MAT-1450 or 2170							
PHY-201	3	SCC	PHY-1141 or 2201	3						
PHY-201L	1	SCC	PHY-1141 or 2201	1						
PHY-202	3	SCC	PHY-1142 or 2202							
PHY-202L	1	SCC	PHY-1142 or 2202							
SET-100 / SET-102	0									
SET-101	0		WAIVE							
EGR-100	0		WAIVE							
EGR-100	0		WAIVE							
SET-153L	1	SCC	OPT-1198							
SET-200	0									
SET-300	0									
SET-400	1									

Evaluated By: _____ Date: _____

Approved By: _____ Date: _____

Updated By: _____ Date: _____

Updated By: _____ Date: _____

Total Credits Required in Program: 132
 Total Credits Transferred to UD: 40
 Total Credits Applied to Program: 36
 Total Credits Waived: 0
 Remaining Credits Required: 96

Notes: Transfer articulation (October 2015)
Courses outside SCC MET program



**Bachelor of Science in Engineering Technology with a Major in
Mechanical Engineering Technology (MCT)
2016-2017**

First Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
CHM 123	General Chemistry	3	0	PHL 103	Intro to Philosophy	3	
CHM 123L	General Chemistry Lab	1	0	HST 103	The West and the World	3	0
EGR 103	Engineering Innovation	2		MCT 110L	Technical Drawing & CAD	2	2
ENG 100	College Composition I	3	3	MFG 204	Materials & Processes	3	0
MFG 108L	Manufacturing & Processes Lab	1	1	MFG 204L	Materials & Processes Lab	1	0
MTH 137	Calculus I with Review - part 1	4	0	MTH 138	Calculus I with Review-part 2	4	0
REL 103	Introduction to Religion	3	0	SET 101	Introduction to Engineering Technology II	0	0
SET 100	Introduction to Engineering Technology I	0		EGR 100	Enrichment Workshop	0	0
EGR 100	Enrichment Workshop	0	0	SET 153L	Technical Computation Laboratory	1	0
		<u>17</u>	4			<u>17</u>	2

Sophomore Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
ENG 200	College Composition II	3	3	IET 316	Quantitative Analysis	3	
MCT 111L	Intro to Design	2	2	CMM 100	Principles of Oral Comm	3	
MCT 220	Statics & Dynamics	3	0	MCT 221	Strength of Materials	3	3
MFG 208L	Geometric Dimensioning & Tolerancing	1		MCT 231	Fluid Mechanics	3	3
MTH 207	Intro to Statistics	3	0	MFG 206L	Dimensional Metrology	1	0
PHY 201	General Physics	3	3	PHY 202	General Physics II	3	0
PHY 201L	General Physics Lab	1	1	PHY 202L	General Physics Lab II	1	0
SET 200	Professional Development for Sophomores	0					
		<u>16</u>	9			<u>17</u>	6

Junior Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
IET 323	Project Management	3		IET 317	Industrial Economic and Financial Analysis	3	0
ECT 110	Electrical Circuits I	3	0	MCT 317	Machine Dynamics	3	
ECT 110L	Electrical Circuits Lab I	1	0	MCT 330	Design of Machine Elements	3	
MCT 313	Industrial Mechanisms	3		MFG 240	Manufacturing and Product Design	3	0
MCT 336	Fluid Power	3		MFG 431	Controls for Industrial Automation	3	0
MCT 336L	Fluid Power Lab	1		SET 400	Professional Development for Seniors	1	
SET 300	Professional Development for Juniors	0					
	Art Study	3					
		<u>17</u>	0			<u>16</u>	0

Senior Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
ECT 408	Data Acquisition and Measurement	2		MCT 490	Senior Project	3	
MCT 342	Thermodynamics	3	3		Technical Elective	3	#REF!
	Technical Elective	3	3		Technical Elective	3	
	Technical Elective	3	3		Advanced Religious Studies	3	
	Advanced Philosophy	3			Advanced Historical Studies	3	3
SSC 200	Social Science Elective	3					
		<u>17</u>	9			<u>15</u>	#REF!



**Bachelor of Science in Engineering Technology with a major
in Global Manufacturing Systems Engineering Technology
2016-2017 (GMT) 133 CrHr**

First Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
CHM 123	General Chemistry	3	0	SET 153L	Technical Computation	1	
CHM 123L	General Chemistry Lab	1	0	EGR 103	Engineering Innovation	2	
ENG 100	Writing Seminar I	3	0	HST 103	The West and The World	3	0
MFG 108L	Manufacturing Processes Laboratory	1	0	PHL 103	Introduction to Philosophy	3	2
MTH 137	Calculus I with Review	4	0	MFG 204	Materials and Processes	3	0
REL 103	Introduction to Religion	3	0	MFG 204L	Materials and Processes Lab	1	0
SET 100	Introduction to Engineering Technology I	0	0	MTH 138	Calculus I with Review	4	0
EGR 100	Enrichment Workshop	0	0	SET 101	Introduction to Engineering Technology II	0	0
MCT 110L	Technical Drawing and CAD	2	1	EGR 100	Enrichment Workshop	0	0
		<u>17</u>	<u>1</u>			<u>17</u>	<u>2</u>

Sophomore Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
CMM 100	Principles of Oral Communication	3		ENG 200	Writing Seminar II	3	
IET 408	Lean Management Methods	3	3	ECT 110	Electrical Circuits 1	3	0
MCT 111L	Introduction to Design	2	0	ECT 110L	Electrical Circuits I Lab	1	3
MCT 220	Statics and Dynamics	3	0	IET 318	Statistical Process Control	3	0
MFG 206L	Dimensional Metrology	1	1	MCT 221	Strength of Materials	3	0
MFG 208L	Geometric Dimension & Tolerancing	1		MFG 240	Manufacturing and Product Design	3	
MTH 207	Introduction to Statistics	3	0				
SET 200	Professional Development for Sophomores	0					
		<u>16</u>	<u>4</u>			<u>16</u>	<u>3</u>

Junior Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
MCT 313	Industrial Mechanisms	3		IET 323	Project Management	3	
MCT 336	Fluid Power	3		MFG 431	Controls for Industrial Automation	3	0
MCT 336L	Fluid Power Lab	1		SET 400	Professional Development for Seniors	1	
MFG 432	Plastics, Composites, Nano Mtrls&Proc	3			Language Requirement	4	
MFG 434	Robotics & Computer Numerical Control	3			Technical Elective	3	3
PHY 201	General Physics	3	0		Art Study	3	
PHY 201L	General Physics Lab	1	0				
SET 300	Professional Development for Juniors	0					
		<u>17</u>	<u>0</u>			<u>17</u>	<u>3</u>

Senior Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
IET 316	Quantitative Analysis	3		ECT 408	Data Acquisition & Measurement	2	
IET 317	Industrial Economic Analysis	3	0	MFG 427	CIM & Global Mfg	3	
MFG 438	Sustain Mfg & Prod Design	3		MFG 490	Senior Design Project	3	
	Language Requirement	4			Advanced Religious Studies	3	0
	Advanced Philosophy	3	0	SSC 200	Social Science Elective	3	
		<u>16</u>	<u>0</u>		Advanced Historical Studies	<u>3</u>	<u>3</u>
						<u>17</u>	<u>3</u>

**Bachelor of Science in Engineering Technology with a Major in
INDUSTRIAL ENGINEERING TECHNOLOGY
Transfer Credit Evaluation**

Name: SCC Articulation ID Number: _____

Transcript 1 from: Sinclair Community College Dated: _____ Sch. Code SCC
 Transcript 2 from: _____ Dated: _____ Sch. Code _____
 Transcript 3 from: _____ Dated: _____ Sch. Code _____

2015 REQUIRED

General Education			Other School		Req. Technical			Other School	
Course	Cr.	Sch. Code	Course	Credit Awarded	Course	Cr.	Sch. Code	Course	Credit Awarded
Arts Studies ()	3				IET-230	3	SCC	OPT-1110	3
CMM-100	3	SCC	COM-2211		IET-316	3			
ENG-100	3	SCC	ENG-1101	3	IET-317	3	SCC	OPT-2208	3
ENG-200	3				IET-318	3	SCC	OPT-2201	3
HST ()	3				IET-323	3			
HST-103	3	SCC	HIS-1111 or HIS-1112	3	IET-332	3	SCC	OPT-2216	3
PHI/REL ()	3				IET-408	3	SCC	OPT-1130	3
Ethics ()	3				IET-415	3			
PHL-103	3	SCC	PHI-2205	3	IET-418	3			
REL-103	3	SCC	REL-1112	3	IET-420	3			
SSC-200	3	SCC	PSY-1100 or SOC-1101 or PLS-1120 or PLS-2200 or ECO-2160	3	IET-435	3			
					IET-490	3			
Core Courses					Electives				
Course	Cr.				Course	Cr.			
CHM-123	3	SCC	CHE1211+1251		ET/SCI-EL	3	SCC	OPT-1112	3
CHM-123L	1	SCC	CHE1211_1251		ET/SCI-EL	3	SCC	OPT-1125	3
ECT-110	3	SCC	EET1150+1155		ET/SCI-EL	3	SCC	OPT-2205	3
ECT-110L	1	SCC	EET1150+1155		ET/SCI-EL	3	SCC	OPT-2207	3
EGR-103	2				ET/SCI-EL	3	SCC	OPT-2240	3
MCT-110L	2	SCC	MET-1231 or 1301 or 1351 or 1371						
MCT-111L	2	SCC	MET-1281						
MCT-220	3	SCC	MET-2201 + 2351						
MCT-313	3								
MFG-108L	1	SCC	CAM-1109		Other Courses				
MFG-204	3	SCC	OPT-2205 + MET-2151		Course	Cr.			
MFG-204L	1	SCC	OPT-2205 + MET-2151		MTH-116	4	SCC	MAT-1580	4
MFG-206L	1	SCC	OPT-1100						
MFG-208L	1			1					
MFG-438	3			3					
MTH-137	4	SCC	MAT-1295 or 2270						
MTH-138	4	SCC	MAT-2270						
MTH-207	3	SCC	MAT-1450 or 2170						
PHY-201	3	SCC	PHY-1141						
PHY-201L	1	SCC	PHY-1141						
SET-100 / SET-102	0			0					
SET-101	0		WAIVE						
EGR-100	0		WAIVE	0					
EGR-100	0		WAIVE	0					
SET-153L	1	SCC	OPT-1198	1					
SET-200	0								
SET-300	0								
SET-400	1								

Evaluated By: _____ Date: _____
 Approved By: _____ Date: _____
 Updated By: _____ Date: _____
 Updated By: _____ Date: _____

Total Credits Required in Program: 131
 Total Credits Transferred to UD: 54
 Total Credits Applied to Program: 50
 Total Credits Waived: 0
Remaining Credits Required: 81

Notes: **Transfer articulation (October 2015)**
 Courses outside SCC OPT (IET) program



**Bachelor of Science in Engineering Technology with a Major in
Industrial Engineering Technology (IET)
2016-2017**

First Year							
First Term			Second Term				
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
CHM 123	General Chemistry	3	0	MFG 204	Industrial Materials and Processes	3	0
CHM 123L	General Chemistry Lab	1	0	MFG 204L	Industrial Materials and Processes Lab	1	3
EGR 103	Engineering Innovation	2	0	HST103	The West and the World	3	3
ENG 100	College Composition I	3	3	IET 230	Work Measurement	3	0
MTH 137	Calculus 1 with Review-part 1	4	0	MTH 138	Calculus I with Review-part 2	4	0
REL 103	Introduction to Religion	3	3	PHL 103	Introduction to Philosophy	3	3
SET 100	Introduction to Engineering Technology I	0	0	SET 101	Introduction to Engineering Technology II	0	0
EGR 100	Enrichment Workshop	0	0	EGR 100	Enrichment Workshop	0	0
SET 153L	Technical Computation	1	1				
		<u>17</u>	<u>7</u>			<u>17</u>	<u>9</u>

Sophomore Year							
First Term			Second Term				
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
ENG 200	College Composition II	3		CMM 100	Principles of Oral Comm	3	
MTH 207	Introduction to Statistics	3	3	MCT 313	Industrial Mechanisms	3	3
MCT 220	Statics and Dynamics	3	0	IET 318	Statistical Process Control	3	
MCT 110L	Technical Drawing and CAD	2		MCT 111L	Introduction to Design	2	0
IET 317	Industrial Economic and Financial Analysis	3	1	MFG 206L	Dimensional Metrology	1	0
IET 323	Project Management	3	0	MFG 208L	Geometric Dimension & Tolerancing	1	
SET 200	Professional Development for Sophomores	0			Art Study	3	
		<u>17</u>	<u>4</u>			<u>16</u>	<u>0</u>

Junior Year							
First Term			Second Term				
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
IET 408	Lean Management Methods	3	3	ECT 110	Electrical Circuits	3	
IET 332	Facilities Layout	3	0	ECT 110L	Electrical Circuits Lab	1	0
MFG 438	Sustain Mfg & Prod Design	3	3	IET 316	Quantitative Analysis	3	
PHY 201	General Physics	3	0	IET 418	Cost Estimating and Control	3	
PHY 201L	General Physics Lab	1	0		Technical Elective	3	3
MFG 108L	Manufacturing Processes lab	1			Advanced Philosophy	3	
SSC 200	Social Science Elective	3					
SET 300	Professional Development for Juniors	0					
		<u>17</u>	<u>6</u>			<u>16</u>	<u>3</u>

Senior Year							
First Term			Second Term				
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
IET 420	Industrial and Environmental Safety	3		IET 415	Management of Global Technical Organizations	3	
IET 435	Human Factors	3		IET 490	Senior Project	3	
SET 400	Professional Development for Seniors	1			Technical Elective	3	3
	Technical Elective	3	3		Technical Elective	3	3
	Technical Elective	3	3		Advanced Historical Studies	3	3
	Advanced Religious Studies	3					
		<u>16</u>	<u>6</u>			<u>15</u>	<u>9</u>



**Bachelor of Science in Engineering Technology with a Major in
Electronic and Computer Engineering Technology (ECT)
2016-2017**

First Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
CHM 123	General Chemistry	3		ECT 110	Electrical Circuits I	3	3
CHM 123L	General Chemistry Lab	1		ECT 110L	Electrical Circuits I Lab	1	1
EGR 103	Engineering Innovation	2	0	CMM 100	Principles of Oral Comm	3	3
ENG 100	College Composition I	3		HST 103	The West and the World	3	
MTH 137	Calculus I with Review - part 1	4	0	MTH 138	Calculus I with Review - part 2	4	3
PHL 103	Introduction to Philosophy	3	3	REL 103	Introduction to Religion	3	0
SET 100	Introduction to Engineering Technology I	0	0	SET 101	Introduction to Engineering Technology II	0	0
EGR 100	Enrichment Workshop	0	1	EGR 100	Enrichment Workshop	0	
SET 153L	Technical Computation	1					
		<u>17</u>	4			<u>17</u>	10

Sophomore Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
ECT 120	Electrical Circuits II	3		ECT 206	Electron Devices I	3	3
ECT 224	Digital Computer Fundamentals	3	3	ECT 206L	Electron Devices Lab	1	1
ECT 224L	Digital Computer Lab	1	1	ECT 357	Microprocessors I	3	
ECT 361	Programming Structures	3	3	MCT 220	Statics & Dynamics	3	0
ENG 200	College Composition II	3	0	SSC 200	Social Science Elective	3	0
PHY 201	General Physics	3		MTH 207	Introduction to Statistics	3	1
PHY 201L	General Physics Lab	1	0				
SET 200	Professional Development for Sophomores	0	#REF!				
		<u>17</u>	7			<u>16</u>	15

Junior Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
ECT 306	Electron Devices II	3		ECT 362	Comp Operating Systems	3	
ECT 306L	Electron Devices II Lab	1		ECT 408	Data Acquisition and Measurements	2	
ECT 358	Microprocessors II	3		ECT 465	Data Communication	3	
ECT 358L	Microprocessors II Lab	1		MFG 431	Controls for Industrial Automation	3	3
IET 316	Quantitative Analysis	3			Technical Elective	3	
MCT 110L	Tech Drawing & CAD	2	0		Advanced Philosophy	3	0
SET 300	Professional Development for Juniors	0					
	Art Study	3					
		<u>16</u>	0			<u>17</u>	3

Senior Year							
First Term				Second Term			
Course	Title	Credits		Course	Title	Credits	
		Req	Trans			Req	Trans
ECT 466	Microcomputer Architecture	3		ECT 452	Feedback Controls	3	
IET 317	Industrial Economic Analysis	3	0	ECT 490	Senior Project	3	
IET 323	Project Management	3	0		Technical Elective	3	3
SET 400	Professional Development for Seniors	1			Technical Elective	3	3
	Technical Elective	3	#REF!		Advanced Religious Studies	3	
	Advanced Historical Studies	3	0				
		<u>3</u>	0				