

Cathcart, Trenton

ELECTRICAL ENGINEERING BS

GENERAL

Prepared On	05/04/2024 10:24 AM	Program Code	19700004	Catalog Year	Fall 2021
Student ID	12586816	Job ID	2412510244892708		

☒ Open All Sections

☐ Close All Sections

Advisor: Obafemi-Ajayi,Olutayo Yenola

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-----> AT LEAST ONE REQUIREMENT HAS NOT BEEN SATISFIED <-----

1	ALL SENIORS ARE REQUIRED TO COMPLETE SENIOR ASSESSMENT PRIOR TO GRADUATION. CONTACT YOUR DEPARTMENT FOR INSTRUCTIONS AT THE BEGINNING OF THE SEMESTER OF GRADUATION.				
IP	EARNED:	0.0 HOURS	1 SUB-GROUP		
	SP24	ELEC ENGASSESS	0.0 IP	>I	
2	ALL STUDENTS ARE REQUIRED TO COMPLETE A SIGNIFICANT EXPERIENTIAL LEARNING ACTIVITY PRIOR TO GRADUATION. CONTACT YOUR DEPARTMENT FOR MORE INFORMATION.				
IP	EARNED:	0.0 HOURS	1 SUB-GROUP		
	SP24	MISC EXPLRN	0.0 IP	>I	
3	ALL STUDENTS ARE REQUIRED TO PASS A CIVICS EXAM PRIOR TO GRADUATION. EXAM IS AVAILABLE IN CANVAS				
	EARNED:	0.0 HOURS	1 SUB-GROUP		
4	CUMULATIVE HRS. A 2.00 GPA REQUIRED TO GRADUATE				
IP	EARNED:	157.0 HOURS	1 SUB-GROUP	3.154 GPA	
5	ALL COURSES TAKEN ON CAMPUS MUST HAVE 2.00 GPA				
IP	EARNED:	57.0 HOURS	1 SUB-GROUP	3.363 GPA	
	FS21	COMP ENG2210	3.0 C		
	FS21	COMP ENG2211	1.0 B		
	FS21	ELEC ENG2100	3.0 C		
	FS21	ELEC ENG2101	1.0 A		
	SP22	ELEC ENG2120	3.0 B		
	SP22	ELEC ENG2200	3.0 B		
	SP22	ELEC ENG2201	1.0 A		
	FS22	ELEC ENG3430	3.0 B		
	FS22	ELEC ENG3431	1.0 A		
	SP23	ELEC ENG3100	3.0 B		
	SP23	ELEC ENG3101	1.0 A		
	SP23	ELEC ENG3410	3.0 A		
	SP23	ELEC ENG3540	3.0 B		
	SP23	ELEC ENG3541	1.0 A		
	SP23	ELEC ENG5670	3.0 A		
	FS23	ELEC ENG3120	3.0 A		
	FS23	ELEC ENG3320	3.0 A		
	FS23	ELEC ENG3321	1.0 A		
	FS23	ELEC ENG4096	1.0 A		
	FS23	ENG MGT 5514	3.0 A		
	SP24	COMP ENG3150	3.0 IP	>I	
	SP24	COMP ENG5220	3.0 IP	>I	
	SP24	ELEC ENG3600	4.0 IP	>I	
	SP24	ELEC ENG4097	3.0 IP	>I	
	SP24	ELEC ENGASSESS	0.0 IP	>I	
	SP24	MISC EXPLRN	0.0 IP	>I	

TRANSFERRED COURSES - COURSES TRANSFERRED IN THE
LAST 60 HOURS MUST HAVE PRIOR APPROVAL

EARNED: 100.0 HOURS 1 SUB-GROUP 3.061 GPA

FS19	GNCR 1010	2.0	D T	>R	First-Year Foundations
FS19	GNCR 1110	2.0	S T	>R	Big Ideas in Physics
FS19	MATH 1140	3.0	C T		Precalculus 1
FS19	PHYSICS 1505	3.0	B T		Modern Astronomy
FS19	SP&M S 1185	3.0	B T		Fund-Public Speakg
SP20	ENGLISH 1120	3.0	B T		Writing I
SP20	GNCR 1160	4.0	B T		Fund of Chemistry
SP20	GNCR 1XXX	3.0	B T		World of Comp Sci
SP20	MATH 1160	3.0	C T		Precalculus 2
SP20	POL SCI 1200	3.0	B T		American Democracy
FS20	GNCR 1010	3.0	A T	>R	Biology in Your World
FS20	GNCR 1110	1.0	B T	>R	Biology in Your World Lab
FS20	HISTORY 1300	3.0	B T		United States to 1877
FS20	MATH 1214	5.0	B T		Analytic Geom & Calculus I
FS20	PSYCH 1101	3.0	A T		Intro Psychology
SP21	ECON 1100	3.0	A T		Prin Microeconomic
SP21	MATH 1215	5.0	A T		Calculus II
SP21	PHILOS 1130	3.0	C T		Ethics & Cont Issu
SP21	PHYSICS 1135	5.0	B T		Found Of Physics I
FS21	MATH 2222	3.0	A T		Multivariate Calc
FS21	PHYSICS 2135	5.0	B T		Foun Of Physics II
SP22	COMP SCI1971	3.0	C T		Intro to C++ Programming
SP22	COMP SCI1981	1.0	C T		Intro to C++ Programming
SP22	MATH 3304	3.0	B T		Diff Equations
FS22	GNCR 3190	3.0	A T		Math for Sci & Engineering I
FS22	PHYSICS 2305	3.0	B T		Modern Physics
FS22	STAT 3117	3.0	B T		Stats For Sci/Eng
SP23	ENGLISH 3560	3.0	A T		Writing II Beginning Technica
SP23	GNCR 3850	2.0	B T		Experiments 20th Cent Physics
SS23	CHEM 1310	4.0	B T		General Chemistry I
SS23	CHEM 1319	1.0	B T		General Chemistry I Lab
FS23	GNCR 3430	3.0	B T		Thermal Physics
FS23	MECH ENG1720	3.0	B T		Intro to Engineering Design

HONORS AT GRADUATION BASED ON THE UM CUMULATIVE GPA
3.2 CUM, 3.5 MAGNA, 3.8 SUMMA

IP EARNED: 57.0 HOURS 1 SUB-GROUP 3.363 GPA

SCHOOL REQUIREMENTS INCLUDE A 2.00 IN MAJOR FIELD OF STUDY

IP EARNED: 44.0 HOURS 1 SUB-GROUP 3.432 GPA

LAST 60 HRS SHOULD BE ON CAMPUS. 15 HRS OF THE 60 MAY BE
TRANSFERRED WITH DEPT APPROVAL. MORE THAN 15 REQUIRES
PROVOST APPROVAL.

IP EARNED: 0.0 HOURS 1 SUB-GROUP

COMMUNICATION COMPONENT

EARNED: 7.0 HOURS 2 SUB-GROUPS 3.428 GPA

FS21	ELEC ENG2101	1.0	A
FS22	ELEC ENG3431	1.0	A
FS19	SP&M S 1185	3.0	B T
FS21	COMP ENG2211	1.0	B
FS21	ELEC ENG2101	1.0	A

MINIMUM OF 128 HRS REQUIRED (ADDITIONAL HOURS MAY BE
NEEDED TO SATISFY ALL REQUIREMENTS BELOW)

IP EARNED: 128.0 HOURS 3.226 GPA

ORIENTATION COURSE (OPTIONAL FOR TRANSFER STUDENTS)

NEEDS: 1 SUB-GROUP

1) STUDY AND CAREERS IN ENGINEERING AND COMPUTING

NEEDS: 1 COURSE

SELECT FROM: FR ENG 1100

12	HUMANITIES AND SOCIAL SCIENCE REQUIREMENTS - (15 HRS)				
<i>EARNED:</i>		<i>15.0 HOURS</i>	<i>4 SUB-GROUPS</i>	<i>3.400 GPA</i>	
	SP20	POL SCI 1200	3.0	B T	American Democracy
	SP21	ECON 1100	3.0	A T	Prin Microeconomic
	FS23	ENG MGT 5514	3.0	A	Patent Law
	FS20	PSYCH 1101	3.0	A T	Intro Psychology
	SP21	PHILOS 1130	3.0	C T	Ethics & Cont Issu

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REQUIRED BASIC SCIENCE/MATHEMATICS COURSES				
EARNED:	34.0 HOURS	6 SUB-GROUPS	3.235 GPA	
NEEDS:		1 SUB-GROUP		
1) MATH REQUIREMENT I - (MUST HAVE A C OR BETTER TO SATISFY GRADUATION REQUIREMENTS)				
13.0 HOURS ADDED		3 COURSES TAKEN	3.615 GPA	
FS20	MATH 1214	5.0 B T	Analytic Geom & Calculus I	
SP21	MATH 1215	5.0 A T	Calculus II	
FS21	MATH 2222	3.0 A T	Multivariate Calc	
2) MATH REQUIREMENT II - (MUST HAVE A C OR BETTER TO SATISFY GRADUATION REQUIREMENTS)				
3.0 HOURS ADDED		1 COURSE TAKEN	3.000 GPA	
SP22	MATH 3304	3.0 B T	Diff Equations	
3) LINEAR ALGEBRA				
NEEDS:	3.0 HOURS			
SELECT FROM:	<u>MATH 3108</u>			
4) PHYSICS I REQUIREMENT - (MUST HAVE A C OR BETTER TO SATISFY GRADUATION REQUIREMENTS)				
5.0 HOURS ADDED		1 COURSE TAKEN	3.000 GPA	
SP21	PHYSICS 1135	5.0 B T	Found Of Physics I	
5) PHYSICS II REQUIREMENT - (MUST HAVE A C OR BETTER TO SATISFY GRADUATION REQUIREMENTS)				
5.0 HOURS ADDED		1 COURSE TAKEN	3.000 GPA	
FS21	PHYSICS 2135	5.0 B T	Foun Of Physics II	
6) CHEMISTRY REQUIREMENT				
5.0 HOURS ADDED		1 GROUP TAKEN	3.000 GPA	
SS23	CHEM 1310	4.0 B T	General Chemistry I	
SS23	CHEM 1319	1.0 B T	General Chemistry I Lab	
7) PROBABILITY & STATISTICS FOR ENGINEERS AND SCIENTISTS				
3.0 HOURS ADDED		1 COURSE TAKEN	3.000 GPA	
FS22	STAT 3117	3.0 B T	Stats For Sci/Eng	
SELECT FROM:	<u>STAT 3115,5643</u>			

14	BASIC COMMUNICATION COURSES				
<i>EARNED:</i>		<i>9.0 HOURS</i>	<i>3 SUB-GROUPS</i>	<i>3.333 GPA</i>	
	SP20	ENGLISH 1120	3.0	B T	Writing I
	FS19	SP&M S 1185	3.0	B T	Fund-Public Speakg
	SP23	ENGLISH 3560	3.0	A T	Writing II Beginning Technica

15	OUT OF DEPARTMENT COURSES REQUIRED				
<i>EARNED:</i>		<i>7.0 HOURS</i>	<i>2 SUB-GROUPS</i>	<i>2.428 GPA</i>	
	SP22	COMP SCI1971	3.0	C T	Intro to C++ Programming
	SP22	COMP SCI1981	1.0	C T	Intro to C++ Programming
	FS23	MECH ENG1720	3.0	B T	Intro to Engineering Design

16	REQUIRED ELECTRICAL ENGINEERING COURSES				
<i>IP</i>	<i>EARNED:</i>		<i>35.0 HOURS</i>	<i>11 SUB-GROUPS</i>	<i>3.107 GPA</i>
	FS23	ELEC ENG4096	1.0	A	EE Senior Project I
	SP24	ELEC ENG4097	3.0	IP >I	EE Senior Project II

	FS21	ELEC ENG2100	3.0	C	Circuits I
	SP22	ELEC ENG2120	3.0	B	Circuits II
	FS21	COMP ENG2210	3.0	C	Intro to Digital Logic
	FS21	COMP ENG2211	1.0	B	Computer Engr Laboratory
	FS21	ELEC ENG2101	1.0	A	Circuit Analysis Lab I
	SP23	ELEC ENG3100	3.0	B	Electronics I
	SP23	ELEC ENG3101	1.0	A	Electronics I Lab
	FS22	ELEC ENG3430	3.0	B	Digital Communications I
	FS22	ELEC ENG3431	1.0	A	Digital Commun Lab
	SP24	ELEC ENG3600	4.0	IP >I	Electromagnetics
	SP22	ELEC ENG2200	3.0	B	Intro Electronic Devices
	SP22	ELEC ENG2201	1.0	A	Electronic Devices Lab
	FS23	ELEC ENG3320	3.0	A	Control Systems
	FS23	ELEC ENG3321	1.0	A	Control Systems Lab

17	ELECTIVES				
	<i>EARNED:</i>	<i>3.0 HOURS</i>	<i>1 SUB-GROUP</i>	<i>3.000 GPA</i>	
	FS22	PHYSICS 2305	3.0	B T	Modern Physics

18	EE ELECTIVES				
IP	<i>EARNED:</i>	<i>19.0 HOURS</i>	<i>4 SUB-GROUPS</i>	<i>3.769 GPA</i>	
	SP23	ELEC ENG3540	3.0	B	Pwr Syst Dsgn & Analysis
	SP23	ELEC ENG3541	1.0	A	Pwr Sys Dsgn & Analy Lab
	SP23	ELEC ENG3410	3.0	A	DSP
	SP23	ELEC ENG5670	3.0	A	Nondestructive Testing
	FS23	ELEC ENG3120	3.0	A	Electronics II
	SP24	COMP ENG5220	3.0	IP >I	Digital System Modeling
	SP24	COMP ENG3150	3.0	IP >I	Intro Micro Embed Design

19	FREE ELECTIVE (ANY COURSES OUTSIDE OF ENGINEERING AND SCIENCE MUST BE AT LEAST THREE CREDIT HOURS)				
	<i>EARNED:</i>	<i>6.0 HOURS</i>	<i>1 SUB-GROUP</i>	<i>3.000 GPA</i>	
	FS19	PHYSICS 1505	3.0	B T	Modern Astronomy
	FS20	HISTORY 1300	3.0	B T	United States to 1877

OPT	OTHER COURSES TAKEN AS GRADUATE CREDIT OR MARKED AS REPEATED COURSE GPA ADJUSTED				
	<i>EARNED:</i>	<i>0.0 HOURS</i>	<i>1 SUB-GROUP</i>		

20	EXTRA TRANSFER COURSES NOT COUNTED TOWARD A DEGREE				
	<i>EARNED:</i>	<i>29.0 HOURS</i>	<i>1 SUB-GROUP</i>	<i>2.851 GPA</i>	
	FS19	GNCR 1010	2.0	D T >R	
	FS19	GNCR 1110	2.0	S T >R	
	FS19	MATH 1140	3.0	C T	
	SP20	GNCR 1160	4.0	B T	
	SP20	GNCR 1XXX	3.0	B T	
	SP20	MATH 1160	3.0	C T	
	FS20	GNCR 1010	3.0	A T >R	
	FS20	GNCR 1110	1.0	B T >R	
	FS22	GNCR 3190	3.0	A T	
	SP23	GNCR 3850	2.0	B T	
	FS23	GNCR 3430	3.0	B T	

21	EXTRA COURSE WORK DONE ON CAMPUS THAT DOES NOT COUNT TOWARD A DEGREE				
IP	<i>EARNED:</i>	<i>0.0 HOURS</i>	<i>1 SUB-GROUP</i>		
	SP24	ELEC ENGASSESS	0.0	IP >I	

SUB CS 1971/1981 FOR CS 1500 - ERICKSON,K - 04/2023
WAIVE 19 HRS OF RESIDENCY - OBOH-IKUENOBE,F - 02/2024

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