



**SHRED, DON'T TOSS**

**Current Student Information**

**Curr/Major:** E CPE  
**College:** Engineering

**Unofficial Graduate Transcript**

**Iowa State University**

ANNA UNIVERSITY BE 2010

**FALL 2010 SEMESTER**

ADMITTED TO GRADUATE DEGREE STATUS

IN E CPE FALL 2010

E E	552X	ENERGY SYS PLANNING	3.0	B
E E	559X	WIND ENRGY CNV&GRID	3.0	B+
E E	594	SEMN ELECTRIC POWER	1.0	A
E E	699	RESEARCH	6.0	S

	Cred Hrs	Qpts	GPA	Trnsf Hrs
TERM:	13.0	0.00	0.00	0.00
CUM:TOT HRS	13.0	7.0	22.99	3.28
				0.00

**SPRING 2011 SEMESTER**

E E	553	STEADY STATE ANALYS	3.0	A
E E	594	SEMN ELECTRIC POWER	1.0	A
E E	699	RESEARCH	6.0	A
STAT	447	STAT THEORY FOR RES	4.0	B+

	Cred Hrs	Qpts	GPA	Trnsf Hrs
TERM:	14.0	0.00	0.00	0.00
CUM:TOT HRS	27.0	15.0	52.31	3.49
				0.00

**SUMMER 2011 SEMESTER**

SUMMER GRAD ASST

**FALL 2011 SEMESTER**

E E	554	POWER SYST DYNAMICS	3.0	A
E E	577	LINEAR SYSTEMS	3.0	B+
E E	594	SEMN ELECTRIC POWER	1.0	A
E E	699	RESEARCH	6.0	A

	Cred Hrs	Qpts	GPA	Trnsf Hrs
TERM:	13.0	0.00	0.00	0.00
CUM:TOT HRS	40.0	22.0	78.30	3.56
				0.00

**SPRING 2012 SEMESTER**

DECLARED MAJOR OF ELECTRICAL ENGINEERING

01-17-2012 FOR MASTER OF SCIENCE DEGREE

E E	574	OPTIMAL CONTROL	3.0	A-
E E	594	SEMN ELECTRIC POWER	1.0	S

E E	699	RESEARCH	6.0	S				
HCI	525	OPTMZ MTHD CPLX DSN	3.0	A				
					Cred Hrs	Qpts	GPA	Trnsf Hrs
		TERM:			13.0	0.00	0.00	0.00
		CUM:TOT HRS	53.0		28.0	101.31	3.62	0.00

**SUMMER 2012 SEMESTER**

E E	699	RESEARCH	2.0	A				
					Cred Hrs	Qpts	GPA	Trnsf Hrs
		TERM:			2.0	0.00	0.00	0.00
		CUM:TOT HRS	55.0		28.0	101.31	3.62	0.00

**FALL 2012 SEMESTER**

E E	571	INTRO CONVEX OPTIMZ	3.0	X				
E E	594	SEMN ELECTRIC POWER	1.0	S				
E E	699	RESEARCH	6.0	A				
I E	534	LINEAR PROGRAMMING	3.0	P	<			
KIN	101	SWIMMING I	1.0	S				
					Cred Hrs	Qpts	GPA	Trnsf Hrs
		TERM:			8.0	0.00	0.00	0.00
		CUM:TOT HRS	66.0		28.0	101.31	3.62	0.00

**SPRING 2013 SEMESTER**

CPR E	525	NUM ANALY HI-P COMP	3.0	A				
E E	594	SEMN ELECTRIC POWER	1.0	S				
E E	699	RESEARCH	3.0	A				
I E	633X	STOCHASTC PROGRAMMG	3.0	P	<			
KIN	170	TAEKWONDO/KARATE I	1.0	S				
MATH	565X	CONTINUOUS OPTIMZTN	3.0	A				
					Cred Hrs	Qpts	GPA	Trnsf Hrs
		TERM:			11.0	0.00	0.00	0.00
		CUM:TOT HRS	80.0		34.0	125.31	3.69	0.00

**SUMMER 2013 SEMESTER**

ASTRO	102	NORTH STAR ASTRONMY	1.0	A				
ASTRO	103	EVENING STAR	1.0	A				
					Cred Hrs	Qpts	GPA	Trnsf Hrs
		TERM:			2.0	0.00	0.00	0.00
		CUM:TOT HRS	82.0		36.0	133.31	3.70	0.00

**FALL 2013 SEMESTER**

E E	594	SEMN ELECTRIC POWER	1.0	S				
ECON	699	RESEARCH	9.0	S				
					Cred Hrs	Qpts	GPA	Trnsf Hrs
		TERM:			10.0	0.00	0.00	0.00
		CUM:TOT HRS	92.0		36.0	133.31	3.70	0.00

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Degrees Conferred

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MAJOR: ELECTRICAL ENGINEERING

M.S. THESIS:

RESIDENTIAL AIR-CONDITIONING  
SYSTEM WITH SMART-GRID  
FUNCTIONALITY

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Cumulative Summary

92.0	36.0	133.31	3.70
TOTAL HRS	ISU CUM HRS	ISU CUM QPTS	ISU CUM GPA

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**End of Unofficial Graduate Transcript**

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**\*\*\*\*\* END OF RECORD \*\*\*\*\***

EXPLANATION OF SPECIAL SYMBOLS:

- R - GRADE SUPERSEDED BY A LATER GRADE
- # - COURSE REPEATED  
ONLY THE MOST RECENT GRADE USED IN CUMULATIVE TOTALS
- < - COURSE TAKEN UNDER PASS-NOT PASS OPTION
- \* - GRADE FOR PREVIOUS INCOMPLETE  
NOT INCLUDED IN TERM TOTALS
- H - HONORS COURSE
- N - GRADE NOT YET REPORTED

**UNOFFICIAL TRANSCRIPT**

**Iowa State University**