

Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931-1295

Student No: M00-24-5454

Date Issued: 27-AUG-2002

Record of: Robert Monroe Laurie
RR 1 Box 88
179 Lakeshore Dr
Chassell, MI 49916

Page: 1

Issued To: Robert M Laurie
UMUC Asia
PSC476 Box 89
Fpo, AP 96322

Course Level: Graduate/Prior To Fall 2000

Current Program:

College : College of Engineering
Major : Electrical Engineering

Degree Awarded : Master of Science 24-MAY-1986
Major : Electrical Engineering

Master's Thesis
An Optimized Sequential Controller for Implementing State
Transition Techniques

SUBJ NO.	COURSE TITLE	CRED	GRD	PTS	R
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Institution Information continued:

Total Earned Credits 9.00

Spring 1984

College of Engineering
Electrical Engineering

EE	563	Curr Top Comp Engr	3.00	A	12.00
EE	573	Systems Control 2	3.00	B	9.00
HU	184	German Conversation	1.00	A	4.00
ME	566	Data Dependent Sys 2	3.00	A	12.00
Total Earned Credits			10.00		

SUBJ NO.	COURSE TITLE	CRED	GRD	PTS	R
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INSTITUTION CREDIT:

Spring 1983

College of Engineering
Electrical Engineering

EE	477	Control Systems 2	5.00	B	15.00
Total Earned Credits			5.00		

Fall 1983

College of Engineering
Electrical Engineering

EE	464	Real Time Dig Comp	4.00	A	16.00
EE	571	Data+Comp Contr Syst.	3.00	A	12.00
Total Earned Credits			7.00		

Winter 1984

College of Engineering
Electrical Engineering

EE	500	Elec Eng Grad Res	3.00	A	12.00
EE 500 grade changed from P					
EE	572	Systems Control 1	3.00	A	12.00
ME	466	Data Dependent Sys 1	3.00	A	12.00

***** CONTINUED ON NEXT COLUMN *****

Spring 1985

College of Engineering
Electrical Engineering

EE	467	Microcomp Interfaces	4.00	A	16.00
EE	500	Elec Eng Grad Res	3.00	A	12.00
EE 500 grade changed from P					
EE	566	Computer Design III	3.00	A	12.00
Total Earned Credits			10.00		

Fall 1985

College of Engineering
Electrical Engineering

EE	500	Elec Eng Grad Res	5.00	A	20.00
EE 500 grade changed from P					
Total Earned Credits			5.00		

Winter 1986

College of Engineering
Electrical Engineering

EE	500	Elec Eng Grad Res	0.00	A	0.00
Total Earned Credits			0.00		

***** TRANSCRIPT TOTALS *****

	Earned Hrs	GPA Hrs	Points	GPA
TOTAL INSTITUTION	46.00	46.00	176.00	3.82

TOTAL TRANSFER	0.00	0.00	0.00	0.00
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OVERALL	46.00	46.00	176.00	3.82
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***** END OF TRANSCRIPT *****



This official transcript does not require a raised seal

Sharron R. Paris

Sharron R. Paris, Registrar
Michigan Technological University

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1400 Townsend Drive
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UMUC Asia
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Fpo, AP 96322

Course Level: Undergrad/Prior To Fall 2000

Current Program:

College : No College Designated
Major : Post Degree Studies

Degree Awarded : Bachelor of Science 17-MAY-1980
Major : Mechanical Engineering
Inst. Honors: With Honor

SUBJ	NO.	COURSE TITLE	CRED	GRD	PTS	R
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TRANSFER CREDIT ACCEPTED BY THE INSTITUTION:

PRE BANNER PRE BANNER COURSES

HU	253	Intro Philosophy	3.00	TR		
HUU	888	Unassigned HU Elective	1.50	TR		
Total Earned Credits			4.50			

INSTITUTION CREDIT:

Fall 1975						
College of Engineering						
Mechanical Engineering						
CH	011	Dev of Chem Skills	1.00	CR	0.00	
CH	101	Gen Chemistry 1	5.00	B	15.00	
CM	110	Orientation	1.00	A	4.00	
HU	101	Freshman Eng 1	3.00	B	9.00	
MA	150	Calc + Anal Geom 1	5.00	B	15.00	
PE	160	Orienteering	1.00	A	4.00	
Total Earned Credits			16.00			

Winter 1976						
College of Engineering						
Mechanical Engineering						
CH	012	Dev of Chem Skills	1.00	CR	0.00	
CH	102	Gen Chemistry 2	5.00	B	15.00	
HU	102	Freshman Eng 2	3.00	B	9.00	
MA	151	Calc + Anal Geom 2	5.00	C	10.00	
ME	103	Engr Comm Design	3.00	A	12.00	
PE	149	Beg Skating	1.00	A	4.00	
Total Earned Credits			18.00			

Spring 1976						
College of Engineering						
Mechanical Engineering						
CH	013	Dev of Chem Skills	1.00	CR	0.00	
CH	103	Gen Chemistry 3	5.00	B	15.00	
HU	103	Freshman Eng 3	3.00	A	12.00	
MA	152	Calc + Anal Geom 3	5.00	C	10.00	
ME	104	Spatial Analysis	3.00	A	12.00	

***** CONTINUED ON NEXT COLUMN *****

SUBJ	NO.	COURSE TITLE	CRED	GRD	PTS	R
Institution Information continued:						
Total Earned Credits			17.00			
Fall 1976						
College of Engineering						
Mechanical Engineering						
GE	201	Geol Princ 1	3.00	A	12.00	
MA	250	Calc + Anal Geom 4	5.00	C	10.00	
MG	200	Intro Min Environ	2.00	B	6.00	
PE	102	Archery	1.00	A	4.00	
PH	204	Physics for Engr 1	5.00	B	15.00	
SS	241	Intro Climatology	3.00	A	12.00	
Total Earned Credits			19.00			

Winter 1977						
College of Engineering						
Mechanical Engineering						
EM	210	Statics	4.00	A	16.00	
GE	202	Geol Princ 2	3.00	A	12.00	
MA	310	Intro Ord Diff Eq	3.00	F	0.00	E
PH	205	Gen Physics 2	5.00	B	15.00	
SS	142	Conservation	3.00	A	12.00	
Total Earned Credits			15.00			
Spring 1977						
College of Engineering						
Mechanical Engineering						
CE	104	Surveying 1	3.00	A	12.00	
CS	110	Basic Fortran	2.00	B	6.00	
EM	213	Dynamics 1	4.00	A	16.00	
MA	310	Intro Ord Diff Eq	3.00	B	9.00	I
PE	118	Weight Training	1.00	A	4.00	
PH	310	Gen Physics 4	4.00	B	12.00	
Total Earned Credits			17.00			

Fall 1977						
College of Engineering						
Mechanical Engineering						
EM	313	Prop Eng Matls	2.00	B	6.00	
EM	331	Fluid Mechanics 1	4.00	B	12.00	
EM	342	Mech Matls 1	4.00	A	16.00	
SS	141	Elem Physical Geog	3.00	A	12.00	
SS	230	Amer Gvt Politics	4.00	B	12.00	
Total Earned Credits			17.00			

Winter 1978						
College of Engineering						
Mechanical Engineering						
EE	301	Elem Elec Circuits	4.00	A	16.00	
ME	203	Matls Processing	4.00	B	12.00	
ME	223	Thermodynamics 1	5.00	B	15.00	
MY	242	Intro Mat Sciencel	4.00	B	12.00	

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Level: Undergrad/Prior To Fall 2000

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SUBJ NO.	COURSE TITLE	CRED	GRD	PTS	R	SUBJ NO.	COURSE TITLE	CRED	GRD	PTS	R
Institution Information continued:						Institution Information continued:					
Total Earned Credits 17.00						Mechanical Engineering					
Spring 1978						EE 260	Intro Computer Eng	4.00	A	16.00	
College of Engineering						EM 412	Dynamics 2	3.00	B	9.00	
Mechanical Engineering						HU 458	Topics Interdis Stdy	3.00	B	9.00	
CP 382	Coop Engr Lab	2.00	A	8.00		ME 345	Mach Elem Dsgn	4.00	B	12.00	
Total Earned Credits 2.00						Total Earned Credits 14.00					
Summer 1978						Spring 1980					
College of Engineering						College of Engineering					
Mechanical Engineering						Mechanical Engineering					
CP 383						BA 343	Engineering Economy	3.00	A	12.00	
Coop Engr Lab						EM 410	Exper Stress Anal	3.00	A	12.00	
Total Earned Credits 2.00						HU 333	Tech Sci Writing	3.00	A	12.00	
Fall 1978						ME 441	Spec Top in Design	3.00	B	9.00	
College of Engineering						Total Earned Credits 12.00					
Mechanical Engineering						Dean's List					
EM 440	Inter Mech Matls	4.00	B	12.00		Spring 1988					
MA 341	Intro Statistics	3.00	A	12.00		College of Engineering					
ME 328	Heat Transfer 1	4.00	B	12.00		Electrical Engineering					
ME 340	Kinematics Mech	4.00	A	16.00		HU 143	Art-Landscape Paint	2.00	A	8.00	
Total Earned Credits 15.00						PE 103	Bait and Fly Cast	1.00	A	4.00	
Winter 1979						PE 138	Racquetball Squash	1.00	A	4.00	
College of Engineering						UN 010C	Interpers Comm Skill	1.00	S	0.00	
Mechanical Engineering						Total Earned Credits 5.00					
CP 481	Coop Engr Lab	2.00	A	8.00		Winter 1989					
CP 481 grade changed from I						College of Engineering					
Total Earned Credits 2.00						Electrical Engineering					
Spring 1979						HU 141	Art-Drawing	2.00	A	8.00	
College of Engineering						PE 148	Beginning Skating	1.00	A	4.00	
Mechanical Engineering						Total Earned Credits 3.00					
BA 201	Economics 1	3.00	B	9.00		Spring 1989					
EE 305	Elect Subsystems	4.00	B	12.00		College of Engineering					
ME 370	Dynamic Syst Anal	5.00	A	20.00		Electrical Engineering					
ME 450	Intrnl Comb Engr 1	4.00	C	8.00		HU 450	Special Topics	1.00	B	3.00	
Total Earned Credits 16.00						PE 138	Racquetball Squash	1.00	V	0.00	
Fall 1979						Total Earned Credits 1.00					
College of Engineering						Fall 1989					
Mechanical Engineering						College of Engineering					
CE 426	Matrix Struct Anal	4.00	B	12.00		Electrical Engineering					
MA 430	Intro Num Anal	4.00	B	12.00		PE 153	Aerobics	1.00	B	3.00	
ME 402	Adv Prob Mech Engr	4.00	B	12.00		***** CONTINUED ON PAGE 3 *****					
PE 200	First Aid	2.00	A	8.00							
Total Earned Credits 14.00											
Winter 1980											
College of Engineering											
***** CONTINUED ON NEXT COLUMN *****											

Note: Transcript explanation on reverse side.



This official transcript does not require a raised seal

Sharon R. Paris
Sharon R. Paris, Registrar
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SUBJ NO.	COURSE TITLE	CRED	GRD	PTS	R
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Institution Information continued:

Total Earned Credits 1.00

Winter 1990

College of Engineering

Electrical Engineering

HU 450	Special Topics	1.00	A	4.00	
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HU 450 grade changed from X

PE 135	Cross Country Ski	1.00	A	4.00	
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Total Earned Credits 2.00

Fall 1990

College of Engineering

Electrical Engineering

PE 106	Beg Golf	1.00	A	4.00	
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Total Earned Credits 1.00

Spring 1991

College of Engineering

Electrical Engineering

ED 401	Found of Education	3.00	A	12.00	
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HU 261	Psychology	3.00	A	12.00	
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Total Earned Credits 6.00

Fall 1999

No College Designated

Post Degree Studies

BA 312	Business Data Base Management	3.00	A	12.00	
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ED 433	Computers in Education	3.00	A	12.00	
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ED 453	Measurement & Evaluation	3.00	AB	10.50	
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Total Earned Credits 9.00

***** TRANSCRIPT TOTALS *****

	Earned Hrs	GPA Hrs	Points	GPA
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TOTAL INSTITUTION	241.00	237.00	796.50	3.36
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TOTAL TRANSFER	4.50	0.00	0.00	0.00
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OVERALL	245.50	237.00	796.50	3.36
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***** END OF TRANSCRIPT *****

Note: Transcript explanation on reverse side.



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Sharon R. Paris

Sharon R. Paris, Registrar
Michigan Technological University