



OAKLAND COMMUNITY COLLEGE

AUBURN HILLS CAMPUS • 2900 FEATHERSTONE ROAD • AUBURN HILLS, MICHIGAN 48057 • 313-853-4200

July 24, 1987

Dear Electrical Trades Advisory Committee Member:

In attendance at the Oakland Community College Electrical Trades Advisory Committee Luncheon on June 18, 1987, were the following members:

John Akerly, Gould Inc.
Bob Leighton, CPC - Pontiac
A.F. Radtke, retired city inspector
James D. Smith, Dynapath Systems

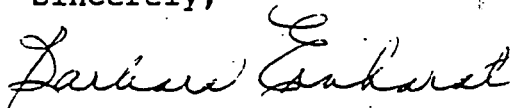
David Braum, OCC
Barbara Einhardt, OCC
Dr. Bill Rose, OCC
Edgar Tedsen, OCC

Items of discussion included the following:

- 1) Mr. Edgar Tedsen, Electrical Trades faculty, provided background information on the program which was established as an agreement with General Motors to train apprentices.
- 2) Original program options were:
 - Electro-Mechanical
(for industrial apprentices to receive an Associate's Degree)
 - Electrical Construction
(included residential and commercial wiring for those working in building trades for contractors)
NOTE: This option was temporarily discontinued five years ago when the building industry experienced a recession. Each fall, ETT 125, National Electrical Code, has been taught, and ETT 121, Electrical Construction Wiring I, will be reintroduced in September, 1987.
 - Industrial Electronics
(for students preparing to install, service, and maintain electronic equipment for industry)
- 3) Dr. Rose emphasized the high quality of instruction presented in the program and the excellent hands-on approach given to the basics.

- 4) The majority of students in the program are those who are already employed and are studying for skill enhancement.
- 5) Approximately 200 new students enter the program each fall and winter semesters (400 - 500 new enrollees each year.) Mr. Tedsen expressed his concern over the increasing number of students who are unable to comprehend technical manuals. To address this issue, OCC is placing emphasis on basic skills assessment in language arts and math for all incoming students.
- 6) Dr. Rose discussed the added emphasis which will be given to recruiting high school students into the program. A Marketing Director will be hired in the fall, and our Articulation Programs with area vocational schools and county high schools will be promoted.
- 7) Mr. Tedsen discussed pending changes in ETT 133 - Industrial Applications of Electronics. This course may be revised to include how to size motors for different applications and installation practices for grounding. It could also be expanded into a programmable controller course.
- 8) The subject area of Estimating is one which needs addressing. This course could be offered as a non-credit seminar to test the curriculum before it is expanded into a credit course.
- 9) The workbook for National Electrical Code, ETT 125, needs revision. Mr. Radtke expressed his willingness to be hired as a consultant for this project. Mr. Tedsen will compile a description of this project (purpose, time needed, cost, etc.) and forward it to Dr. Rose. This workbook would be sold to students through the campus bookstore.
- 10) Committee members emphasized the importance of teaching the basics in the electrical courses. Vendors can then teach specifics of the system when students are hired.
- 11) Dr. Rose encouraged the members to contact him or Mr. Tedsen at any time with questions or concerns regarding the Electrical Trades Curriculum. Advisory Committee members are welcome to participate in workshops and seminars which are offered through OCC's Business and Professional Institute.
- 12) Inspection of the Electrical Lab concluded the meeting.

Sincerely,



Barbara Einhardt
Career Education Specialist

c: Dr. Christine Gram
Dr. Bill Rose

Enclosure

ELECTRONICS TECHNOLOGY

ELT COURSES

SESSION	NO. OF STUDENTS	SCH'S	NO OF SECTIONS OFFERED	NO OF SECTIONS CANCELLED
FALL 1987	209	627	14	5
WINTER 1988	172	516	13	4
SPRING 1988	34	102	6	4
SUMMER 1988			NONE	
FALL 1988	137	411	11	5
WINTER 1989	132	396	10	4
SPRING 1989	10	30	7	6

Course Number	Course Title	Cr. Hrs.	Done OK	Comments
GENERAL EDUCATION REQUIREMENTS				
	English or Communication			
	Social Science			
	Humanities			
	Math			
	Natural Science			
	American Government (POL 151)			

MAJOR REQUIREMENTS

MAT 110	Elem. Algebra	4		
MAT 113	Inter. Algebra	3		
ETT 101	Electr. Fund. I	3		
ETT 102L	Electr. Skills & Tech. I	2		
ETT 103	Electr. Fund. II	3		
ETT 104L	Electr. Skills & Tech. II	2		
ETT 105	DC & AC-Circuit Analysis	3		
ETT 106	Prin. of Rotating Electr. Mach.	3		

REQUIRED SUPPORTIVE COURSES

APP 815	Mechanics I	2		
APP 816	Mechanics II	2		
APD 813	Shop Drawing I	3		
ETT 107	Electr. Co-op Internship	3		

OPTION #1 ELECTRO-MECHANICS

ETT 111	Ind. Electr. Systems	3		
ETT 112L	Ind. Motors (Lab)	2		
ETT 113	Ind. Electr. Blueprint Read.	3		
ETT 114L	Control of Electr. Machines (Lab)	2		
ETT 131	Intro. to Electronics	3		
ETT 135	Digital Tech. I	3		

OPTION #2 ELECTRICAL CONSTRUCTION

ETT 121	Electr. Const. Wiring I			
ETT 122L	Wiring Tech., Lab I			
ETT 123	Electr. Const. Wiring II			
ETT 124L	Wiring Tech., Lab II			
ETT 125	Nat. Electr. Code			
ETT 126	Electr. Handbook & Tables			

TEMPORARILY DISCONTINUED

OPTION #3 INDUSTRIAL ELECTRONICS

ETT 131	Intro. to Electronics	3		
ETT 132	Electronic Circuits	3		
ETT 133	Ind. Appl. of Electronics	3		
ETT 134L	Instrumentation (Lab)	2		
ETT 135	Digital Tech. I	3		
ETT 136	Digital Tech. II	3		

ELECTIVES

TOTAL CREDITS _____