

Part III, Question 3

General Motors Institute  
Activities and Operational Information

General Motors Institute (GMI) is a private college and wholly-owned subsidiary of General Motors Corporation (GM). GMI is accredited by the North Central Association of Colleges and Secondary Schools and the Engineers' Council for Professional Development and offers bachelor degree programs in electrical, industrial, and mechanical engineering and industrial administration. Since 1964, GMI has been a member of the affiliated group consolidated with GM for Federal income tax purposes.

Student Body

In 1977-1978 approximately 2,200 engineering and industrial administration students were enrolled in GMI. They came from over 1,100 high schools in 42 states of the United States and four provinces of Canada.

Admission to GMI requires the approval of GMI and a GM sponsoring unit. GMI approves applicants on the basis of their ability to complete a course of study in engineering or industrial administration. Consideration is given to the applicant's high school academic record, class standing, national scholastic aptitude scores as well as other related factors such as the applicant's statement of interest, employment history, extracurricular honors and activities and other evidence of ability, interest and motivation. GM sponsoring units approve applicants based on their potential for successfully working within their organization during the work part of the cooperative phase of the program of study. Among the factors to be considered are the applicant's personality, character, health, vocational interests, leadership potential, and desire. In line with its philosophy of equal opportunity for admissions, GMI does not discriminate by reason of an individual's race, color, sex, creed, age, or national origin.

Faculty

The faculty is composed of approximately 143 members as follows:

Professor	60
Associate Professor	73
Assistant Professor	6
Instructor	1
Administrative	3

In this regard, employes of the Institute are participants in all of the benefit plans for General Motors employes.

### Program of Study

Students at GMI follow a cooperative ten semester work-study program. All students are employed by GM during the work periods. The first nine semesters, the cooperative phase, are spent in alternate six-week periods in the classroom and at a GM unit. In this connection, two six-week academic and two six-week work periods comprise a semester. The tenth semester, the degree phase, is spent at the GM unit working on a thesis in which the student makes practical application of his classroom training to a specific work situation.

The academic part of the cooperative phase consists of engineering and industrial administration programs. The engineering curricula for the first two years is common for all students. It provides the essential background in mathematics, materials science, physics, humanities and social science, and initial engineering sciences as well as develops the necessary technological background in design for the advanced work. For the following five semesters, engineering students are required to specialize in either electrical, industrial, or mechanical engineering. With respect to the mechanical engineering curriculum, automotive, mechanical-electrical, materials engineering, plant engineering, and process engineering options are available. The electrical, industrial, and mechanical engineering curricula consist of a core of common courses as well as technical electives, which provide a broad and fundamental background for electrical, industrial or mechanical engineering. In addition to the electives related to their curriculum, each student selects a limited number of nontechnical electives.

The industrial administration curriculum is based on a foundation of quantitative methods, management, and behavioral sciences, economics, and other fields which are related to the art and science of the decision making process in the business environment. In addition to a common core of courses, the curriculum provides options in the areas of organizational development, production management, production/material control and marketing.

With respect to the work part of the cooperative phase, the work assignments, directed and scheduled by a representative of each sponsoring GM unit, are designed to illustrate principles learned in the classroom, as well as to provide the experience necessary to assist the student in choosing his field of specialization and to operate successfully within a corporate organization. As the student progresses through the program, the responsibility and specialization in connection with the work assignments are increased. At the end of each work experience period, the performance of each student is evaluated by the GM sponsoring unit and reviewed by GMI. In addition, as part of his freshman course of communication, the student is required to prepare a written report based on his work experience which will be evaluated by the faculty at GMI and which will contribute significantly to the student's grade.

The student is also required to write an acceptable thesis. Although, as indicated above, this is normally written during the tenth semester while the student is employed full time, the student is given the option, between the third and fifth year after completion of the cooperative phase, to request participation in the Deferred Thesis Plan and write a thesis to satisfy the degree requirements. Direct support from a sponsoring unit is necessary in completing the degree requirements of this plan. An applicant is registered in the plan upon GMI acceptance of a proposed thesis subject and is allowed one year from the date of registration to complete the thesis.

Students are paid only during their work periods by their sponsoring General Motors units at rates established by GM. These rates increase moderately as the student progresses. Students are salaried employes, earning income only on the days they work during the work periods. During the tenth semester students are full-time salaried employes. An entering student earns approximately \$6,000 his first year before deductions for income tax and social security.

#### Overseas Fellowship Program

In connection with the program outlined above, GMI undertakes an overseas fellowship program under which a limited number of employes of foreign subsidiaries of General Motors are admitted by the college to spend between one semester and two years on campus taking courses with GMI students. All costs of this program are underwritten by General Motors Corporation; and the program serves to broaden the personal and educational experience of the GMI students by exposing them to other cultures and engineering and administrative techniques.

#### Graduation Requirements

A candidate for a degree is required to meet the following requirements:

1. Pass all required and elective courses as specified in the curricula.
2. Maintain a minimum cumulative weighted grade point average of 77 for all courses which appear on the permanent record.
3. Accumulate the total credits required:
  - a. In the engineering program, not less than 180 credits of which four credits have to be earned for the thesis in the degree phase and the balance in the cooperative phase.
  - b. In the industrial administration program, not less than 175 credits, four of which have to be earned during the degree phase and the balance in the cooperative phase.
4. Have a minimum of five semesters in residence at GMI which must include the last two semesters prior to the completion of the cooperative phase and five corresponding semesters of work experience at the sponsoring GM unit.
5. Submit work experience evaluation reports covering each period of work experience through the eighth semester.
6. Fulfill all financial obligations to General Motors Institute.
7. Complete the requirements of either degree plan as follows:
  - a. Thesis Plan  
Verification by the sponsoring unit of the acceptability of the thesis. Acceptance of the thesis by GMI.
  - b. Deferred Thesis Plan  
Acceptance of the thesis by GMI.

In connection with the requirements outlined above, one credit, in general, represents one class session of one hour or one laboratory session of two to three hours per week for one semester. The minimum load per semester is 16 credit hours and the maximum load is 24. Further, students are graded on a scale of 50 to 100, a grade of at least 70 being required to pass the course. A student's performance must receive at least a grade of 77 to be considered "fair."

#### Attendance

Prompt and regular attendance at each class is required of each student. Accumulated absences in each course is a factor in the student's final grade and becomes part of a student's permanent record.

#### Tuition and Fees

Tuition at GMI approximates \$500 per semester during the cooperative phase of the program. In addition, there is a student activity fee of approximately \$26 per semester. There are no other laboratory or other fees. Students have the option of paying their tuition in full on registration day or in two instalments. Students electing to pay in instalments will be charged a finance charge of approximately \$7. If a student terminates before the end of a semester, tuition will be refunded in amounts varying with the date of termination.

In the degree phase of the program, tuition varies with the plan under which the student chooses to write his thesis. If a student chooses to write his thesis during the tenth semester while employed at a GMI unit, the tuition (nonrefundable) will be approximately \$330. If, however, the student chooses to defer the writing of his thesis, tuition (nonrefundable) will be \$155. In addition, a graduation fee of \$50 will be charged to degree phase students without regard to the plan under which they choose to write their thesis.

In addition to the tuition and fees outlined above, students are also charged for room and board, if living in campus housing, the replacement of identification and meal cards, checks returned by banks, delinquent payment of deferred tuition, and late registration.

#### Facilities

The instructional activities at GMI take place in a building having total floor space of 317,800 square feet, which is divided into classrooms, laboratories, administrative offices, and a library. Over 30 percent of the floor space of the building consists of laboratories, among them being the automotive and instrumentation, electro-optics, radioisotope, heat transfer, electricity and electronics, integrated circuit, exhaust emission, process development and computer laboratories.

The library contains over 85,000 catalogue volumes and receives currently 700 periodicals to be retained for study. Collections also include items of GMI history, a complete record of the thesis effort of all degree graduates, and materials on management. Special library facilities include a microfilm area, a record and tape listening facility and auto-tutorial carrels.

GMI also has a campus center which houses the food services, the campus store and recreational facilities; the International Room which is used for dances, banquets, exhibits and for auditorium-type presentations; office and work areas for student government officers, committees and clubs, and administrative officers.

Other structures included in the campus include the residence hall which houses 450 students in individual rooms which are interconnected in pairs so they may be used either as single rooms or as two-student suites, and a parking deck for students, staff and visitors.

Additional Information

Additional information regarding GMI may be found in the attached 1978-79 school catalog.

Att.

Part III, Question 4

As described more fully in the organizational documents, General Motors Institute is organized as a membership corporation with the members thereof sitting as a Board of Trustees. The Board of Trustees manages the operation of the Institute and appoints the Board of Regents and the officers of the Institute to assist them.

Board of Regents

	<u>Position with General Motors</u>
*Roger B. Smith (Chairman) General Motors Corporation Detroit, Michigan	Executive Vice President, Operating Staffs and Financial Operations
*Stephen H. Fuller (Vice Chairman) General Motors Corporation Detroit, Michigan	Vice President, Personnel Administration and Development Staff
*David C. Collier (Treasurer) General Motors Corporation Detroit, Michigan	Vice President Group Executive, Finance Group
*William B. Cottingham (President) General Motors Institute Flint, Michigan	
William E. Hogle (Comptroller) General Motors Corporation Detroit, Michigan	Comptroller
Robert A. Nitschke (General Counsel) General Motors Corporation Detroit, Michigan	Vice President, Associate General Counsel
Betsy Ancker-Johnson General Motors Corporation Detroit, Michigan	Vice President, Environmental Activities Staff
*Donald J. Atwood General Motors Corporation Detroit, Michigan	General Manager, Detroit Diesel Allison Division
John F. Beck General Motors Corporation Detroit, Michigan	Vice President, General Director Latin American Operations
Robert D. Burger General Motors Corporation Detroit, Michigan	Vice President, Marketing Staff
*Martin J. Caserio General Motors Corporation Detroit, Michigan	Vice President Group Executive, Electrical Components Group

\*Member of the Board of Trustees

Part III, Question 4 (Continued)

	<u>Position with General Motors</u>
*Paul F. Chenea General Motors Corporation Warren, Michigan	Vice President, Research Laboratories
Patrick J. Coletta General Motors Corporation Warren, Michigan	Vice President General Manager, GM Assembly Division
Robert J. Cook General Motors Corporation Lansing, Michigan	Vice President General Manager, Oldsmobile Division
*Alexander A. Cunningham General Motors Corporation Detroit, Michigan	Vice President Group Executive, Overseas Group
Edward P. Czapor General Motors Corporation Kokomo, Indiana	General Manager, Delco Electronics Division
Thomas E. Darnton General Motors Corporation Detroit, Michigan	Vice President, Procurement and Production Control Staff
John D. Debbink General Motors Corporation Dayton, Ohio	General Manager, Delco Moraine Division
*Robert W. Decker General Motors Corporation Detroit, Michigan	Vice President Group Executive, Car and Truck Group
Anthony G. DeLorenzo General Motors Corporation Detroit, Michigan	Vice President, Public Relations Staff
Carson O. Donley General Motors Corporation Grand Rapids, Michigan	General Manager, Diesel Equipment Division
Henry L. Duncombe, Jr.** General Motors Corporation Detroit, Michigan	Vice President and Chief Economist
*George R. Elges General Motors Corporation Detroit, Michigan	Vice President Group Executive, Mechanical Components Group

\*Member of the Board of Trustees

\*\*Retired February 1, 1979

Part III, Question 4 (Continued)

	<u>Position with General Motors</u>
*Joseph E. Godfrey General Motors Corporation Detroit, Michigan	Vice President Group Executive, Body and Assembly Group
George W. Griffith General Motors Corporation Ypsilanti, Michigan	General Manager, Hydra-Matic Division
Peter K. Hogle General Motors Corporation LaGrange, Illinois	Vice President General Manager, Electro-Motive Division
Thomas E. Husted General Motors Corporation Rochester, New York	General Manager, Rochester Products Division
Ellis M. Ivey, Jr. General Motors Corporation Saginaw, Michigan	General Manager, Saginaw Steering Gear Division
George G. Johnston General Motors Corporation Dayton, Ohio	General Manager, Inland Division
Lewis G. Kalush General Motors Corporation Flint, Michigan	General Manager, General Motors Parts Division
Charles Katko General Motors Corporation Warren, Michigan	Vice President General Manager, Fisher Body Division
*Howard H. Kehrl General Motors Corporation Detroit, Michigan	Executive Vice President, Overseas Operations and Technical Staffs
Edward C. Kennard General Motors Corporation Detroit, Michigan	Vice President General Manager, Cadillac Motor Car Division
Lester A. Lanning General Motors Corporation Sandusky, Ohio	General Manager, New Departure-Hyatt Bearings Division
William C. Lee General Motors Corporation Detroit, Michigan	General Manager, AC-Delco Division

\*Member of the Board of Trustees

Part III, Question 4 (Continued)

	<u>Position with General Motors</u>
Emmett B. Lewis, Jr. General Motors Corporation Dayton, Ohio	Vice President General Manager, Frigidaire Division
Archie M. Long General Motors Corporation Detroit, Michigan	Executive-in-Charge, Service Parts Operations
Robert D. Lund General Motors Corporation Detroit, Michigan	Vice President General Manager, Chevrolet Motor Car Division
William P. MacKinnon General Motors Corporation Detroit, Michigan	Director, Personnel Administration
*Alex C. Mair General Motors Corporation Detroit, Michigan	Vice President Group Executive, Technical Staffs Group
Thomas O. Mathues General Motors Corporation Detroit, Michigan	Vice President, Manufacturing Staff
John P. McCormack General Motors Corporation Detroit, Michigan	Vice President General Director, Europe Mid-East and Africa
Donald H. McPherson General Motors Corporation Flint, Michigan	Vice President General Manager, Buick Motor Division
George B. Morris, Jr. General Motors Corporation Detroit, Michigan	Vice President, Industrial Relations Staff
*Paul D. Pender General Motors Corporation Detroit, Michigan	Vice President Group Executive, Operating Staffs Groups
George M. Perry General Motors Corporation Hudson, Ohio	General Manager, TEREX Division
*David S. Potter General Motors Corporation Detroit, Michigan	Vice President Group Executive, Public Affairs Group
Walter R. Price General Motors Corporation Detroit, Michigan	Vice President Managing Director, Vauxhall Motors Limited

\*Member of the Board of Trustees

Part III, Question 4 (Continued)

John Quick  
General Motors Corporation  
Detroit, Michigan

Elmer E. Reese  
General Motors Corporation  
Anderson, Indiana

James R. Rinehart  
General Motors Corporation  
Warren, Ohio

Leonard P. Roberts  
General Motors Corporation  
Dayton, Ohio

C. Reid Rundell  
General Motors Corporation  
Detroit, Michigan

Irvin W. Rybicki  
General Motors Corporation  
Warren, Michigan

F. Alan Smith  
General Motors Corporation  
Oshawa, Ontario

\*Harold L. Smith, Jr.  
General Motors Corporation  
Detroit, Michigan

Robert C. Stempel  
General Motors Corporation  
Pontiac, Michigan

W. Blair Thompson  
General Motors Corporation  
Dayton, Ohio

Robert W. Truxell  
General Motors Corporation  
Pontiac, Michigan

James G. Vorhes  
General Motors Corporation  
Detroit, Michigan

Frederick W. Walker, Jr.  
General Motors Corporation  
Warren, Michigan

Position with General Motors

Vice President  
General Director, Pacific Operations

General Manager, Delco-Remy Division

General Manager, Packard Electric  
Division

General Manager, Delco Air Conditioning  
Division

Director, Personnel Development

Vice President, Design Staff

Vice President  
President and General Manager, General  
Motors of Canada, Limited

Vice President  
Group Executive, Power and Appliance  
Group

Vice President  
General Manager, Pontiac Motor Division

General Manager, Delco Products  
Division

Vice President  
General Manager, GMC Truck & Coach  
Division

Vice President, Consumer Relations and  
Service Staff

General Manager, General Motors  
Transportation Systems

\*Member of the Board of Trustees

Part III, Question 4 (Continued)

A. Grant Warner  
General Motors Corporation  
London, Ontario

James F. Waters, Jr.  
General Motors Corporation  
Detroit, Michigan

Glenn W. Wiegand  
General Motors Corporation  
Lockport, New York

John R. Wilson, Jr.  
General Motors Corporation  
Flint, Michigan

Thomas R. Wiltse  
General Motors Corporation  
Saginaw, Michigan

\*Frank J. Winchell  
General Motors Corporation  
Warren, Michigan

Philip B. Zeigler  
General Motors Corporation  
Anderson, Indiana

Position with General Motors

Vice President, GM of Canada Limited  
General Manager, Diesel Division

Vice President  
Managing Director, Adam Opel A.G.

General Manager, Harrison Radiator  
Division

General Manager, AC Spark Plug  
Division

General Manager, Central Foundry  
Division

Vice President, Engineering Staff

General Manager, Guide Division

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\*Member of the Board of Trustees