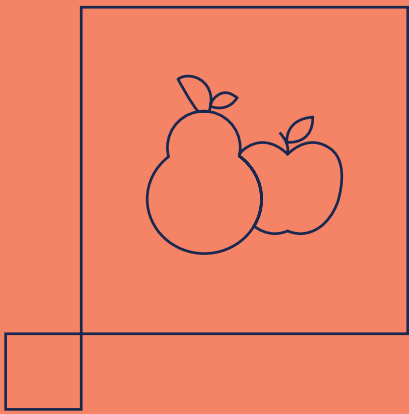




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FOOD ENGINEERING SÃO CAETANO DO SUL

# FOOD





## WHAT DOES A FOOD ENGINEER DO?

Food engineers work in all sectors of the food supply chain — i.e., in the procurement, conservation and production processes of food and beverages.

Therefore, food engineers can work in:

- Production, research and development of foodstuff;
- Planning, management and optimization of processes;
- Quality control, food safety;
- Plant installation projects of Food and Beverage companies;
- Provision of services and consulting: products and process development, industrial facility design, quality control, and more;
- Supervision of the proper use and maintenance of technology and equipment. Food engineers can also be in charge of consulting, inspection and technical expertise, or work in the Commercial, Product Marketing and Ingredient areas.

## THE JOB MARKET

The food industry employs the second largest number of workers in Brazil – but it also faces one of the largest shortages of qualified staff. The sector is one of the least affected by economic crises, giving it a distinct advantage over other industries and making very attractive to applicants. Demand for food engineers has been driven by the increased productivity in Brazilian agribusiness, the need to transform raw materials into products (thus increasing their added value), and the growth of small and medium-sized commercial establishments. Given these factors, food engineers with solid background in innovation and entrepreneurship can even start their own successful businesses. The wide scope of employment opportunities is one of the greatest advantages of pursuing a career in Food Engineering.



# FOOD

**PROGRAM LENGTH:  
DAYTIME CLASSES: 5 YEARS**

**LOCATION:  
SÃO CAETANO DO SUL CAMPUS**



## THE FOOD ENGINEERING PROGRAM AT IMT

The Food Engineering Program at IMT provides students with education that not only has a strong focus on the fundamental concepts of engineering, but also prepares the students to take advantage of opportunities in the market. As part of this preparation, there are several practical subjects and activities in the curriculum that aim at developing a business-oriented vision, fostering innovation and entrepreneurship skills.

Food Engineering students at IMT attend an intense practical program that engages students in teaching, research, and small-scale processing labs since their first year. The campus also has a semi-industrial facility capable of simulating the production process of different products, similar to those found in the food industry.

**IMT UNDERGRADUATE STUDENTS OF ALL ENGINEERING PROGRAMS PURSUE THE SAME COURSE PATH DURING THEIR FIRST YEAR OF STUDY.**

**WHEN PROGRESSING TO THEIR SECOND YEAR, STUDENTS CAN CHOOSE THEIR MAJOR.**

# THE PROGRAM OFFERS

- Solid technical education based on experimental practice, enabling students to understand and develop new technologies; development and analysis of Food Engineering projects, using lab simulation and studies of real-life situations in the field.
- Undergraduate research;
- Development of critical and creative thinking aimed at problemsolving; a systemic view;
- Collaborative environments and advanced multidisciplinary laboratories that allow for new innovation experiences;
- Specialized laboratories;
- Flexible learning path, allowing students to build their own life projects;
- Differentiated curriculum that allows students to develop new skills: communication, collaboration, creativity, innovation, critical thinking, problem solving, planning and management, diversity, and much more.
- Integration between theory and practice: students involved in project development since their first year in the program;
- Development of integrated projects involving all Engineering disciplines, Design and Business Administration;
- Contact with the labor market: projects developed in partnership with businesses to solve real-world problems;
- Support for participation in contests and award competitions;
- Opportunity to be in constant contact with professionals already working in the field, through lectures, workshops and events.
- Innovation, Leadership and Entrepreneurship Week, integrating the Engineering, Design and Business Administration fields: academic competitions, hackathons, lectures, visits, international relations, real projects involving companies, and more.
- Integration with the Research Center, which opens doors for internship and job opportunities in companies from various industries.





## AWARDS AND ACCREDITATIONS

- Score of 5 (out of 5) on the National Student Performance Test (Enade);
- 4 stars in Guia do Estudante;
- Partnership with renowned multinational companies;
- Small food-processing plants and semi-industrial facility.

## SPECIAL PROJECTS AND ACTIVITIES

In addition to conventional classes, students engage in essentially practical projects and activities in which they must work in groups composed of students enrolled in different programs and program years. There are more than a hundred projects and activities in progress, which take advantage of the excellent infrastructure available at IMT.

## COMPETIÇÕES ACADÊMICAS

- Aerodesign
- Model Aircraft
- Baja Mauá
- Concreto Mauá
- Gravity Car Race
- Inova Mauá
- Eco Mauá
- Mauá Racing
- Robótica Mauá
- Mauá Júnior - Student-ed non-profit strategy consulting firm
- eSports Mauá





# PART NER SHIPS

INTERNATIONAL  
PARTNERSHIPS

## SANDWICH YEAR

Cooperation agreement (with partial or full scholarships available) with several international Higher Education Institutions, where students attend a semester or a year in an institution abroad, earn international experience and may transfer some of their credits back to their program in Brazil.



## INTERNATIONAL PARTNERSHIPS AND OPPORTUNITIES



# IMT KEY FEATURES



Built on over 130,000 square meters, São Caetano do Sul campus offers some of the best-equipped higher education facilities in the country.



Over 100 laboratories – two labs per conventional classroom –, including the brand-new Fab Lab.



Comfort and safety – the campus has several cafes, snack bars and different social areas, as well as free parking for approximately 1,400 vehicles.



Several exchange programs offered in prestigious international institutions: dual degree agreements, sandwich and study abroad programs. Students can apply for scholarships, and transfer some of their credits back to IMT.



Distinguished academic staff that blends subject-matter experts with extensive industry experience, and professors holding Master's and PhDs from some of the best universities in Brazil and abroad.



A new and innovative educational approach that requires active learning experiences – from outside the classroom – for the purpose of curriculum integration: academic competition, partnerships with the business community, undergraduate research, teaching assistantships, and much more.



An academic environment that includes close cooperation with industry technology development projects involving both the faculty and student bodies.



# IMT KEY FEATURES



Activities focused on developing the social and emotional skills students need to succeed in their professional careers.



Special support to help students transition to academic life: assistance available at non-classroom hours, access to vast digital content (video lessons and exercises), tutoring.



Curriculum flexibility, allowing students to choose complementary graduation projects and activities, as well as elective courses.



Minor programs, which provide students with an undergraduate specialization that is both complementary to and distinct from their main major, in areas such as Project Management, Business Management, Design and Innovation, Energy and Sustainability (programs revised on an annual basis).



A teaching philosophy focused on preparing students for innovation and entrepreneurship, developing projects that integrate Management, Design and Engineering.



Partnerships with the business community and mentoring by experienced executives to assist students with their term papers, adding a strong business focus, and connect their research to the marketplace issues and routine.

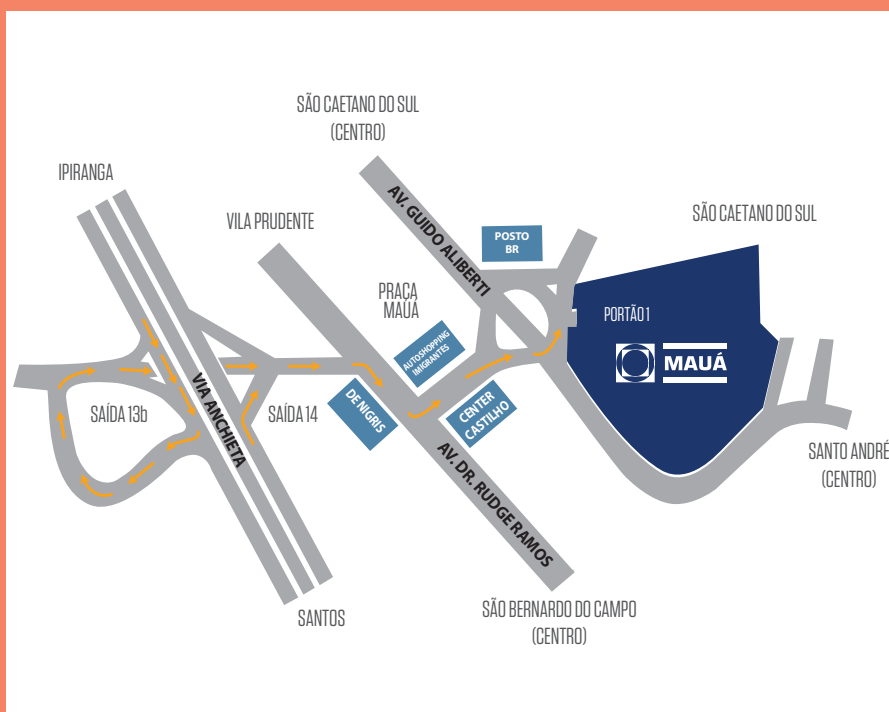


Undergraduate research opportunities offered in several IMT research groups that make significant contributions to scientific and technological advancement.



SÃO CAETANO DO SUL CAMPUS

# CAMPUS DIRECTION MAPS



Praça Mauá, 1  
São Caetano do Sul, SP  
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