

PREFACE

Vocational School (FV) is a faculty that oversees all vocational education programs (diploma programs) within the ITS environment. FV aims to produce graduates who are educated, skilled, competent and certified (educated, skilled, competent and certified graduates) who are ready to work to fulfill the needs of the national workforce. Starting this school year 2019/2020, the Vocational Faculty focuses on developing 8 (eight) Applied Undergraduate Study Programs (STr), namely:

- STr-Engineering Technology Management and Maintenance of Civil Buildings
- STr-Water Construction Engineering Technology
- STr-Manufacturing Engineering Technology
- STr-Energy Conversion Engineering Technology
- STr-Automation Engineering Technology
- STr-Industrial Chemical Engineering Technology
- STr-Engineering Instrumentation Technology
- Business Statistic

The Applied Bachelor Program is an education that is oriented towards the application of science with the main objective of preparing its graduates to have work-ready competencies. The Applied Bachelor's education program consists of 40% theory and 60% practice, including practice in the field, as well as work internships, very suitable for high school / MA / SMK graduates who prefer things that are applied or applicable and want to work right after completing their studies. Students also have the opportunity to take part in student exchange programs, internships with several universities abroad.

DEPARTMENT OF CIVIL INFRASTRUCTURE ENGINEERING

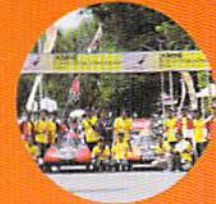
<https://www.its.ac.id/tis>



Since 2012, DTIS has opened an applied undergraduate study program and has graduated 601 applied graduates. Currently, DTIS organizes two Applied Bachelor Study Programs namely Water Construction Engineering Technology (TRKBA) and Civil Building Management and Maintenance Engineering Technology (TRPPBS). The two excellent study programs are designed for those of you who want to have applied expertise in the field of civil engineering technology, with a composition of learning material 60% practice, 40% theory. Experienced teaching staff in academia and practitioners of the construction service industry, with a composition of lecturers: 2 professors (S3), 12 doctors (S3), and 24 masters (S2). The professional prospects of TRPPBS graduates are in accordance with their competencies as Implementing Experts, Supervisors, Managers, Careers, Contracts and Construction K3 Experts in civil buildings. The professional prospects of TRKBA graduates are as Planners, Implementers, and Supervisors, as well as K3 Experts on Water Construction. Based on the P2K2M ITS tracer study survey, it is known that the distribution of the study program graduates works at central and regional government agencies, consultants - BUMN and private contractors, entrepreneurs in the construction service industry, and others.

DEPARTMENT OF INDUSTRIAL MECHANICAL ENGINEERING

<https://www.its.ac.id/tmi>



DTMI developed 2 (two) applied undergraduate study programs, namely the Energy Conversion Engineering (TRKE) Study Program and Manufacturing Engineering Technology (TRM). The TRKE study program produces graduates capable of drawing CAD, automotive and air conditioning maintenance and management and maintenance of energy conversion machines such as turbines, pumps, compressors, boilers, pneumatics and hydraulics. The work areas of TRKE graduates are the automotive industry, the power generation industry, the oil & gas industry, mining and the process industry and technopreneur.

TRM Study Program produces graduates capable of drawing CAD, welding supervisors and implementing manufacturing automation. The work areas of TRM graduates are the manufacturing industry, the automotive industry, the power generation industry, the oil & gas industry, the mining and process industries, shipyards etc.

DEPARTMENT OF ELECTRICAL AUTOMATION

<https://www.its.ac.id/teo>



DTEO offers an Applied Bachelor (Diploma Four) Automation Engineering Technology Study Program (TRO) to produce graduates who are able to apply, analyze, optimize and develop an area of Automation Technology expertise to support Industry 4.0, with good leadership and managerial skills. The work areas of TRO graduates include Sensor and Actuator Engineers, Industrial Automation Engineers, System Integrators, DCS / SCADA Engineers, System and Design Engineers, Maintenance Engineers, Quality System Engineers, Supervisors, and Project Managers.

DEPARTMENT OF INDUSTRIAL CHEMICAL ENGINEERING

<https://www.its.ac.id/tki>



DTKI offers Applied Bachelor's education in the Industrial Chemical Engineering Technology Study Program, the field of expertise in continuous process engineering technology (clean & green technology). During the study, students develop laboratory skills, troubleshooting & problem solving, designing process technology components, process optimization & efficiency, and having a technopreneur spirit. Graduates will obtain competency certification in process technology expertise according to industry requirements. The graduates' work areas are the chemical industry (fertilizer, cement, polymer, oil & gas), the food & beverage processing industry, the pharmaceutical industry etc.

DEPARTMENT OF INSTRUMENTATION ENGINEERING

<https://www.its.ac.id/instrumentasi>



DTIn develops a competent and professional Bachelor Program in Applied Engineering Instrumentation Technology (RTI) in the fields of measurement, control, calibration, and safety, with graduates given competency testing and certification by BNSP or other nationally recognized institutions. The curriculum is designed integrated with industry, with one semester student internship program in industry. Some DTIn lecturers are practitioners from industry, so that graduates have skills in the field of instrumentation systems, ranging from installation, operation, monitoring, maintenance, troubleshooting, making reports and evaluations as well as analysis and design. Many RTI graduates work in the Oil & Gas bidand, Manufacturing Industries, Service Industries and entrepreneurship.

DEPARTMENT OF BUSSINESS STATISTICS

<https://www.its.ac.id/sb>



DSB develops an Applied Bachelor education level, namely the Business Statistics Study Program (SB). This study program aims to produce graduates who are ready and skilled in processing and analyzing data into information that supports business decision making processes, particularly in the areas of quality, productivity, marketing and finance. Graduates are projected to be able to work in various fields of work: design and quality control, research and development, banking, insurance, capital markets, marketing, and data processing and analysis. Then, graduates are also prepared to be able to develop careers in various companies / agencies both government and private.

REGISTRATION

The Requirements for joining Faculty of Vocations are High School Graduates which concern in Natural Sciences. Graduates in 2017, 2018 and 2019.

NO	PROGRAM STUDI	CAPACITY
1.	STr-Engineering Technology Management and Maintenance of Civil Buildings	90
2.	STr-Water Construction Engineering Technology	45
3.	STr-Manufacturing Engineering Technology	90
4.	STr-Energy Conversion Engineering Technology	90
5.	STr-Automation Engineering Technology	90
6.	STr-Industrial Chemical Engineering Technology	90
7.	STr-Engineering Instrumentation Technology	90
8.	Business Statistic	90
Total		675

Registration can be done online through the ITS website at <http://smits.its.ac.id> on 25 Juni s.d. 21 Juli 2019.

Result notification 26 Juli 2019

Complete Registration 30 Juli

- 2 Agustus 2019

Rectorate building 3rd floor

ITS Campus, Sukolilo, Surabaya

60111



FACULTY OF VOCATIONS

Applied Science Bachelor

INSTITUT TEKNOLOGI SEPULUH NOPEMBER SURABAYA

DEPARTMENT OF CIVIL
INFRASTRUCTURE
ENGINEERING

DEPARTMENT OF INDUSTRIAL
MECHANICAL ENGINEERING

DEPARTMENT OF ELECTRICAL
AUTOMATION

DEPARTMENT OF
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BUSSINESS STATISTICS