

THE LIST OF RELEVANT AND CLOSELY RELEVANT MAJOR (Master program)

No.	Major	Relevant major	Closely relevant major	Complementary courses
1.	TEACHING ENGLISH TO SPEAKING OF OTHER LANGUAGES (TESOL) (8140111)	– English		
2.	SOCIOLOGY (8310301)	– Sociology Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Sociology at TDTU.	– Socio-economic disciplines – Psychology – Social work – Anthropology – Politics – Economics – Philosophy (historical materialism – social philosophy) – Cultural studies – Foreign languages – Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Sociology at TDTU.	The applicants need to take the following complementary courses and get the score at least 5.0/10 in the final exam (the courses that the applicants have already taken in their Bachelor programs are waived): – Introduction to Sociology (2 credits) – Sociological Theory (2 credits) – Research Methods of Sociology (2 credits)

<p>3.</p>	<p>BUSINESS ADMINISTRATION (8340101)</p>	<ul style="list-style-type: none"> - Business Administration - Commercial Business - Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Business Administration at TDTU. 	<ul style="list-style-type: none"> - Finance - Banking - Insurance - Accounting - Management science - Public policy - HRM - Information system management - MOS - Management of technology and science - Occupational safety and health management. - Other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Business Administration at TDTU. 	<ul style="list-style-type: none"> - The applicants need to take the following complementary courses and get the score at least 5.0/10 in the final exam (the courses that the applicants have already taken in their Bachelor programs are waived): - Microeconomics (3 credits) - Macroeconomics (3 credits) - Principle of management (3 credits) - Principle of marketing (3 credits) - Principle of accounting (3 credits) - Monetary and financial market (3 credits) - Company laws (2 credits) - Statistics in business and economics (3 credits) - Those who don't have bachelor degree in right field or close field major required to take supplementary courses. The passing score has to reach at least a 5.0/ 10 for the final assessment: - Microeconomics (3 credits) - Macroeconomics (3 credits) - Principle of management (3 credits) - Principle of marketing (3 credits) - Principle of accounting (3 credits) - Monetary and financial market (3 credits) - Company laws (2 credits) - Statistics in business and economics (3 credits) - Mathematical economics (3 credits)
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<p>4.</p>	<p>APPLIED MATHEMATICS (8460112)</p>	<ul style="list-style-type: none"> - Mathematics - Applied mathematics - Mechanical mathematics - Statistics - Information mathematics - Educational mathematics - Computational science - Educational mathematics - Computational science - Educational informatics mathematics - Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Applied Mathematics at TDTU. 	<ul style="list-style-type: none"> - Mechanics - Educational physics - Economic mathematics - Computational science - Economic statistics - Informatics - Physics - Educational informatics - Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Applied Mathematics at TDTU. 	<p>The applicants need to take the following complementary courses and get the score at least 5.0/10 in the final exam (the courses that the applicants have already taken in their Bachelor programs are waived):</p> <ul style="list-style-type: none"> - Linear Algebra (2 credits) - Multivariate functional analysis (2 credits) - Partial differential equations (2 credits) - Numerical analysis - Functional analysis <p>➔ If the applicant has the international certificate on computer network, the course Date Networking can be waived.</p>
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<p>5.</p>	<p>COMPUTER SCIENCE (8480101)</p>	<ul style="list-style-type: none"> - Computer Science; - Computer networks and data communications; - Software technology; - Information system; - Computer Engineering; 	<ul style="list-style-type: none"> - Information Technology; - Safety Information; - Information Technology Management; - Management Information Systems; <p>Or other majors not named above, but with a training program that is different from Ton Duc Thang University's Computer Science program of less than 40% of the total (or credits) of the training program.</p>	<p>The applicants need to take the following complementary courses and get the score at least 5.0/10 in the final exam (the courses that the applicants have already taken in their Bachelor programs are waived):</p> <ul style="list-style-type: none"> - Database Systems (3 credits); - Discrete Structures (3 credits); - Data Structures and Algorithms (3 credits).
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<p>6.</p>	<p>ENVIRONMENTAL ENGINEERING (8520320)</p>	<ul style="list-style-type: none"> - Environmental engineering - Environmental technology - Environmental Engineering and Technology (issued by TDTU) - Environmental Science (issued by TDTU) - Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Environmental Engineering at TDTU. 	<p><u>Group 1:</u></p> <ul style="list-style-type: none"> - Labour protection department - Chemical Engineering - Petrochemical Engineering and Oil Refinery - Material Engineering - Metallurgical and Environmental - Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Environmental Engineering at TDTU. <p>→ The applicants belong to this group are approved to apply for the supplement knowledge program after graduation of Bachelor program. Courses already included in the transcript of undergraduate program are not required to be enrolled.</p> <p>→ The applicants who have at least 2 years of experience in the field of Environmental engineering (to the time of admission) are allowed to apply directly the admission enrollment without passing the supplement knowledge program.</p> <p>- <u>Group 2:</u></p>	<p>The applicants who are in <u>Group 3</u> need to take the following complementary courses and get the score at least 5.0/10 in the final exam</p> <ul style="list-style-type: none"> - Wastewater Microbiology (3 credits) - Environmental Analysis (3 credits) - Environmental Engineering Processing (3 credits)
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			<ul style="list-style-type: none"> - Biotechnology - Biology - Agriculture - Forestry sector - Food and brewery processing technology - Aquaculture Regional and Urban planning - Civil Engineering - Land Administration - Labor Relation <p>➔ The applicants belong to this group must have at least 2 years of experience in the field of environmental engineering (to the time of admission), are allowed to apply for the supplement knowledge program.</p> <p><u>Group 3:</u></p> <p>Applicants who graduated Bachelor program, but not belong to group (1) and (2) and are now working at agencies or departments in the field of Environmental engineering with at least 2 years experience (to the time of admission), are now considered to apply the admission enrollment and the complementary courses.</p>	
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<p>7.</p>	<p>CIVIL ENGINEERING (8580201)</p>	<ul style="list-style-type: none"> – Civil engineering – Waterway engineering – Maritime engineering – Transportation engineering – Municipal engineering – Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Civil Engineering at TDTU. 	<ul style="list-style-type: none"> – Urban planning – Construction economy – Geotechnical engineering – Water supply & Drainage engineering – Water resources engineering – Construction materials – Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Civil Engineering at TDTU. 	<p>The applicants need to take the following complementary courses and get the score at least 5.0/10 in the final exam (the courses that the applicants have already taken in their Bachelor programs are waived):</p> <ul style="list-style-type: none"> – Strength of materials (3 credits) – Structural mechanics (3 credits) – Steel structure (3 credits)
<p>8.</p>	<p>TRANSPORTATION ENGINEERING (8580205)</p>	<ul style="list-style-type: none"> – Transportation Engineering; – Transportation Engineering and Technology; – Transportation Operation; – Transportation Economics; Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Transportation Engineering at TDTU. 	<ul style="list-style-type: none"> – Regional and Urban Planning; – Hydraulic Engineering; – Civil Engineering; – Construction Engineering; – Construction Economics; – Construction Management; – Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Transportation Engineering at TDTU. 	<ul style="list-style-type: none"> – Quantitative Methods (3 credits); – Urban Transport Planning (3 credits); – Transportation Engineering (3 credits); – Project Management (3 credits). – Based on the ungraduated transcript, determining the subjects that need additional knowledge.

<p>9.</p>	<p>ELECTRICAL ENGINEERING (8520201)</p>	<ul style="list-style-type: none"> – Electrical engineering – Power system engineering – Electrical-electronics engineering – Industrial electricity – Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Electrical Engineering at TDTU. 	<ul style="list-style-type: none"> – Energy management – Industrial management – Labour safety – Industrial economy – Telecommunications engineering – Electronics engineering – Mechatronics – Production automation – Industrial informatics (PFIEV) – Computer engineering – Information technology – Thermal mechanics – Infrastructure engineering – Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Electrical Engineering at TDTU. 	<p>The applicants need to take the following complementary courses and get the score at least 5.0/10 in the final exam (the courses that the applicants have already taken in their Bachelor programs are waived):</p> <ul style="list-style-type: none"> – Electrical supply (3 credits) – Power system plant and protection (3 credits).
<p>10.</p>	<p>COMMUNICATIONS ENGINEERING (8520208)</p>	<ul style="list-style-type: none"> – Electronics and telecommunications engineering – Communications engineering – Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are 	<ul style="list-style-type: none"> – Automation and control engineering – Electrical engineering – Electronic engineering – Electrical and electronics engineering – Mechatronics engineering – Computer engineering 	<p>The applicants need to take the following complementary courses and get the score at least 5.0/10 in the final exam (the courses that the applicants have already taken in their Bachelor programs are waived):</p> <ul style="list-style-type: none"> – Analog and digital communications (3 credits)

		<p>taken into account) from the curriculum of the Bachelor program of Electronics and Telecommunications Engineering at TDTU.</p>	<ul style="list-style-type: none"> – Communications and computer network engineering – Information systems – Information technology – Power system engineering – Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Electronics and Telecommunications at TDTU 	<ul style="list-style-type: none"> – Digital signal processing (3 credits) – Data networking (3 credits) ➔ If the applicant has an international certificate on computer network, the course Data Networking can be waived.
11.	AUTOMATION AND CONTROL ENGINEERING (8520216)	<ul style="list-style-type: none"> – Automation and control engineering; – Automatic control – Automation control – Automation – Mechatronics – Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Automation and Control Engineering at TDTU. 	<ul style="list-style-type: none"> – Electrical engineering – Electronics engineering – Electrical-electronics engineering – Power system engineering – Mechanical engineering – Electronics and telecommunications engineering – Electronics and communications engineering – Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Automation and Control Engineering at TDTU 	<ul style="list-style-type: none"> – Control system 1 (3 credits) – Microcontroller engineering 1 (3 credits)

<p>12.</p>	<p>SPORT MANAGEMENT (8810301)</p>	<ul style="list-style-type: none"> – Physical education, – Sports training/ sport coaching – Sports management, – Sport biomedicine, – Sports media, – Recreational sports, – Physical training and sports, – Business administration, – Newspapers/ Reporters – Communication – Advertising – Public Relations – Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Sport Management at TDTU 	<ul style="list-style-type: none"> – Tourism – Tourism and travel management, – Hospitality management, – Restaurant management and catering, Finance, – Accounting – Sociology, – International relation – Foreign language (English) – Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Sport Management at TDTU ➔ Required at least 01 year experience in Sport or Event area. 	
<p>13.</p>	<p>APPLIED ART (8210410)</p>	<ul style="list-style-type: none"> – Applied Arts – Theory and History of Applied Art – Industrial Design – Graphic Design 	<ul style="list-style-type: none"> – Theory and History of Art – Fine Arts – Painting – Graphic – Sculpture 	<ul style="list-style-type: none"> – Design thinking – Applied Design

		<ul style="list-style-type: none"> – Fashion Design – Interior Design – Art Design, Theatre and Cinema 	<ul style="list-style-type: none"> – Ceramic 	
14.	ACCOUNTING (8340301)	<ul style="list-style-type: none"> – Accounting; – Accounting – Auditing; – Or other fields of studies that are not listed above but their curricula are only different less than 10% (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Accounting at TDTU 	<ul style="list-style-type: none"> – Finance and Banking, Insurance, ... – Business Administration, Commercial Business, Management science, Public Policy, Public Management, Human Resource Management, Information System Management, Management Science and Technology, Occupational Safety and Health Management... – Economics, International Economic Relations, – Or other fields of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Accounting at TDTU ➔ Applicants must take up complementary courses or have 02 years experience in Accounting area (at least). 	<ul style="list-style-type: none"> – Principles of accounting – Financial accounting ➔ The courses that the applicants have already taken in their Bachelor programs are waived
			<p>Group 03: for who has non-relevant major with economic and having bachelor degree which is related to:</p> <ul style="list-style-type: none"> – Block A (Engineering, construction, electronics and information technology, ...); 	<ul style="list-style-type: none"> – Principles of Accounting – Financial Accounting – Management Accounting – Microeconomic

			<ul style="list-style-type: none"> – Block B (Medicine, pharmacy, natural sciences, applied sciences, environment, ...); – Block C (Language, psychology, educational science, ...); – Block D (Foreign Languages, Languages, Political Science; Sociology and Humanities; Psychology; Law, ...). <p>➔ Applicants must take up complementary courses or have 02 years experience in Accounting area (at least).</p>	<ul style="list-style-type: none"> – Macroeconomic
15.	FINANCE AND BANKING (8340201)	<ul style="list-style-type: none"> – Finance-Banking – Banking – Finance – International finance – Corporate finance – Financial analysis and investment – Investment – International investment – Securities investment – Insurance – Other fields/majors with curriculans that are similar to the programs offered by Finance and Banking Department of Ton Duc Thang University (less than 10% total class periods difference) 	<ul style="list-style-type: none"> – Accounting / Auditing – Commercial business – Business administration – Foreign Trade and Relation – Business – Other fields/majors with curriculans that are similar to the programs offered by Finance and Banking department of Ton Duc Thang University (from 10% to 40% of total class periods difference) <p><i>Requirement:</i> at least 1-year experience in finance and banking fields.</p>	<ul style="list-style-type: none"> – Money and financial market (2 credits) – Corporate finance (2 credits) <p>➔ Prerequisites are chosen based on the Bachelor transcript.</p>

<p>16.</p>	<p>ECONOMICS LAW (8380107)</p>	<ul style="list-style-type: none"> – Law – Economics law; – International law; – Constitutional law and administrative law; – Civil law and civil procedure law; – Penal law and criminal procedure law; – Criminology and crime prevention; – State and law theory and history; 	<ul style="list-style-type: none"> – Education Science and Teacher-Training; – Art; – Humanities; – Social and behavioral science; – Journalism and reporting; – Business and administration; – Natural science (Environmental science); – Engineering; – Manufacturing and processing; – Architecture and construction; – Agriculture, forestry and fishery; – Health (Health management); – Social services; – Tourism, hotel, sports and personal services; – Transport services; – Environment and environment protection; – Security and national defense 	<ul style="list-style-type: none"> – Legal methods and skills (2 credits); – General Issues in Civil Law (2 credits); – Assets, Ownership and Inheritance (2 credits); – Company Law (2 credits); – Commercial Law (2 credits) <p>➔ Prerequisites are chosen based on the Bachelor transcript.</p>
<p>17.</p>	<p>OCCUPATIONAL SAFETY AND HEALTH (8900103)</p>	<ul style="list-style-type: none"> – Labour Safety; – Occupational Health and Safety; – Occupational Safety and Sanitation; – Or other field of studies that are not listed above but their curricula are only different less than 10% 	<p><u>Group 1:</u></p> <ul style="list-style-type: none"> – Environmental Science; – Environmental Management; – Environmental Engineering Technology; – Environmental Engineering; 	<ul style="list-style-type: none"> – Occupational Safety Science (2 credits); – Occupational Health and Safety Law (2 credits); – System Safety Engineering (2 credits). <p>– The courses that the applicants have</p>

		<p>(in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Labour Safety at TDTU.</p>	<ul style="list-style-type: none"> - Water Supply and Sanitation; - Chemical Engineering; - Biotechnology; - Civil Engineering; Construction Engineering; Transportation Engineering; Road and Bridge Engineering; Traffic Engineering - Electrical and Electronics Engineering; Electronics and Telecommunications Engineering; Automation and Control Engineering; Mechatronics; Mechanical Refrigeration; - Mechanical Engineering; Mechanical Dynamics; - Labour Relations; - Petrochemical Technology; - Textile and Garment Technology; - Metallurgical Technology; - Materials Science and Engineering; - Nuclear engineering - Or other field of studies that are not listed above but their curricula are only 10% to 40% different (in terms of credits, only specialized courses are taken into account) from the curriculum of the Bachelor program of Labour Safety at TDTU. <p>To be considered for learning the complementary courses immediately after engineer graduation. The courses that the</p>	<p>already taken in their Bachelor programs are waived.</p>
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			<p>applicants have already taken in their Bachelor programs are waived.</p> <ul style="list-style-type: none"> – Who have the bachelor degree in Group 1, at least 2 years of experience (up to the date of application) in the field of Occupational Safety and Health; Occupational Safety and Sanitation; Labour Safety; or HSE certificate (issued by TDTU) will be considered for admission application without having to study the complementary courses. 	
18	CHEMICAL ENGINEERING (8520301)	<ul style="list-style-type: none"> – Chemical Engineering; – Petroleum Refining and Petrochemical Engineering; – Materials Engineering; – Metal Materials Engineering; 	<ul style="list-style-type: none"> – Chemistry; – Inorganic Chemistry; – Organic Chemistry; – Analytical Chemistry; – Theoretical Chemistry and Physical Chemistry; – Environmental Chemistry ; – Materials Science; 	<p>The applicants need to take the following complementary courses and get the score at least 5.0/10 in the final exam (the courses that the applicants have already taken in their Bachelor programs are waived):</p> <ul style="list-style-type: none"> – Process Fluid Mechanics (30 hours); – Process Heat Transfer (30 hours); – Process Mass Transfer (30 hours); – Physical Chemistry (30 hours)