TAIWAN TECH

National Taiwan University of Science and Technology

Master's Double-degree Programs

by

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Go as far as you can see; when you get there, you'll be able to see farther.

J.P. MORGAN

台科大出國研習獎學金

--本國國籍之在校學生，英文檢定能力達
多益750分、雅思6分、托福IBT 79分以上

--大學部：學業總平均GPA達2.92分(含)以上，
且**班排名為40%**以內。

--研究所：**學業總平均達80分**(含)以上

亞洲: 6萬、非亞洲9萬，雙聯可申請2學期

TAIWAN TECH

National Taiwan University of Science and Technology

Outline

- RIT@USA (3+2)
- CTU@Czech Republic (1.5+1)
- ECM@France (2+2+2)

USA and Rochester

NiagaraFalls (niagarafallstourism.com)

Rochester City View (downtownrochesterrestaurants.com)

Letchworth Park (kleberly.com)

Rochester Institute of Technology

- Computer Engineering Department
  - Established in 1975, ~420 undergraduate and graduate students
  - 13 full-time faculty, 5 adjunct faculty, and 6 staff members, 7 research labs and 6 teaching labs
  - Core Areas:
    - Advanced Computer Architecture
    - Digital IC and Nano-Systems
    - Networks and Security
    - Computer Vision and Machine Intelligence
    - Embedded Systems, Signal Processing, and Control

Rochester Institute of Technology

- Co-op Program
  - ~120 companies come to RIT to recruit CE students every fall and spring, for Co-op and full time positions
  - Close to 100% placement (BS and MS),Average starting salary: **~US $73,000**
  - Selected Industry Partners:
    - Freescale, Harris RF, Parsons, NVIDIA, ARM, Microsoft, Apple, Dell, Agilent, Boeing, Google, IBM, Intel, Xerox, Xilinx
  - Co-op and full-time hires, research collaboration, lab sponsorship, equipment donation, etc.

- BS/MS Double-degree:
  - **5-year program (3 years in NTUST + 2 years in RIT)**
  - **BS @ NTUST and MS (Computer Engineering)@ RIT**

Application

- Requirement:
  - GPA >=3.4, <=12 credits remaining at the end of the 3rd year.
  - Same degree requirements for BS @ NTUST & MS @ RIT, with up to 3 graduate electives (9 credits) counted for both degrees.

- Application
  - Deadline: **March 30** (Fall semester), **Oct. 31** (Spring semester)
  - TOEFL iBT: >=88 (full admission), 79~87 (conditional), or equivalent in other forms of TOEFL or IELTS.
  - Application waived, GRE waived, **40% tuition scholarship**.

National Taiwan University of Science and Technology

TAIWAN TECH

Czech Republic and Prague

- Czech Republic
  – Central Europe
  – Population: 10.5 millions
  – Currency: Czech Crown (100 TWD = 80 CZK)

- Prague
  – Capital of Czech Republic
  – City of hundred spires
  – 1.2 millions people

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Czech Technical University in Prague

- Czech Technical University in Prague
  - Among oldest universities in Europe (1707~)
    - ≈ 25 000 students
  - 8 Faculties
  - Faculty of Electrical Engineering (FEE) (1950~)
    - **~ 7 000 students (largest faculty within CTU)**
    - 19+4 Departments
- **MS** Double-degree
  - **"Electronics and Communications (EC)" Program**, FEE
  - Program Duration: 5 semesters
  - 3 semesters in home university, 2 semesters in host university
  - Diploma of Master of Science in the study field Communications, Multimedia, and Electronics (CTU)

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Application

- Requirement:
  - should receive 60 ECTS credits from CTU FEE
    - including 25 ECTS credits for diploma thesis.
    - 60-25=35 ECTS (~ 7 courses), one course should be Project
    - **6 courses/year, ~9 hours/week**
  - Master thesis is
    - Written and presented in English
    - Defended in front of the examination committees at both universities

- Application
  - Deadline: **March 30** (Fall semester), **Oct. 31** (Spring semester)
  - Language requirement: **TOEFL 70/IELTS 6/TOEIC 800**, or **admission interview in English**
  - **Tuition fee is paid to Taiwan Tech**

National Taiwan University of Science and Technology

France and Marseille

Ecole Centrale Marseille

- Centrale Marseille is **not** a **university**.

- Centrale Marseille is part of **higher education establishments** called "**Grandes Ecoles**" (≈ elite graduate schools). (~10%)

- "**Grandes Ecoles**" **select** students for admission based on **national ranking** with competitive exams in Mathematics and Physics.

- Academic staff: **120 permanent teachers and researchers** and more than 200 instructors

- Technical and administrative staff: 70 collaborators

- Students: **702 engineering students**, 48 **PhD students**, 25 **nationalities**

- 7 research **laboratories,** 11 **Master programs**

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NTUST and Centrale Marseille systems

Yr.	NTUST Level	Workload	Credits	ECM Level	Workload	Credits
1	Bachelor 1			Prep' school I	1052 hours	60 ECTS
2	Bachelor 2			Prep' school II	1033 hours	60 ECTS
3	Bachelor 3			ECM 1st year	803 hours	60 ECTS
4	Bachelor 4			ECM 2nd year	716 hours	60 ECTS
5	Master 1			ECM 3rd year	630 hours	60 ECTS
6	Master 2					

An opportunity for a student from NTUST to **obtain a high-level, generalist engineering education** recognized by French, European and International Companies

Learn about industrial world through company-linked experience of the French educational system (projects, internships …)

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Application

- Requirement:
  - Should finish the Common Core (120 ECTS) @ ECM
  - Should finish the master program @ Taiwan Tech
  - **Receive Two Master Degrees from ECM and Taiwan Tech**
  - Selection based on academic result, motivation, and language skill
  - **Tuition in French (**建議具備法文**B1 or B2**能力**)**
- Application
  - Application Deadline: **March 31**
  - Acceptance Notification: **June 15**
  - **Tuition fee is paid to Taiwan Tech**

語言：法國文化協會(台大推廣部)，師大法語中心

National Taiwan University of Science and Technology

For details,

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TAIWAN TECH

國立臺灣科技大學

Living Expense @ RIT

- Tuition and fees:
  - ~$50K over two years for 30 semester credit hours (SCHs).
  - Recommend 9, 9, 9, 3 or 9, 9, 6, 6 SCHs over four semesters.
  - If selected, 40% tuition scholarship (higher possible based on academic performance) => ~$30K over two years

- Graduate Co-op opportunities:
  - During summer after completing the first year of study at RIT, students may go for Co-op in US or in Taiwan.
  - https://www.rit.edu/emcs/oce/student/intro-to-co-op
  - Avg. Co-op pay rate: ~US$25 / hr (40 hrs a week for 10 weeks)

- Living expanses:
  - Varies significantly, but ~US$1,000 per month is a reasonable estimate

TAIWAN TECH

National Taiwan University of Science and Technology

Living Expense @ CTU

- Tuition Fees (1 CZK =1.2~1.5 NTD)
  - Pay registration fee to Taiwan Tech
    - i.e. Master's program is 55 000 CZK/semester – not paid by double-degree students
- Health Care Insurance: ~ 300 EUR/year
- Student dormitory: 150~300 EUR/month
- Food and meals: 100+ EUR/month
- Public transport pass: 10 EUR/month, OpenCard
- Personal expenses: 200+ EUR/month
- Flight ticket
- VISA application takes around 3 months
- **Survival guide:** http://intranet.cvut.cz/current-students/survival-guide
  https://www.fel.cvut.cz/en/education/information-for-applicants.html

Living Expense @ ECM

Tuition fees are paid at NTUST not Centrale Marseille

Health expenses : subscription to **French student health insurance** is **compulsory**

Travel expenses

Housing
From 150€ to 350€ per month

Food : 350€ per month

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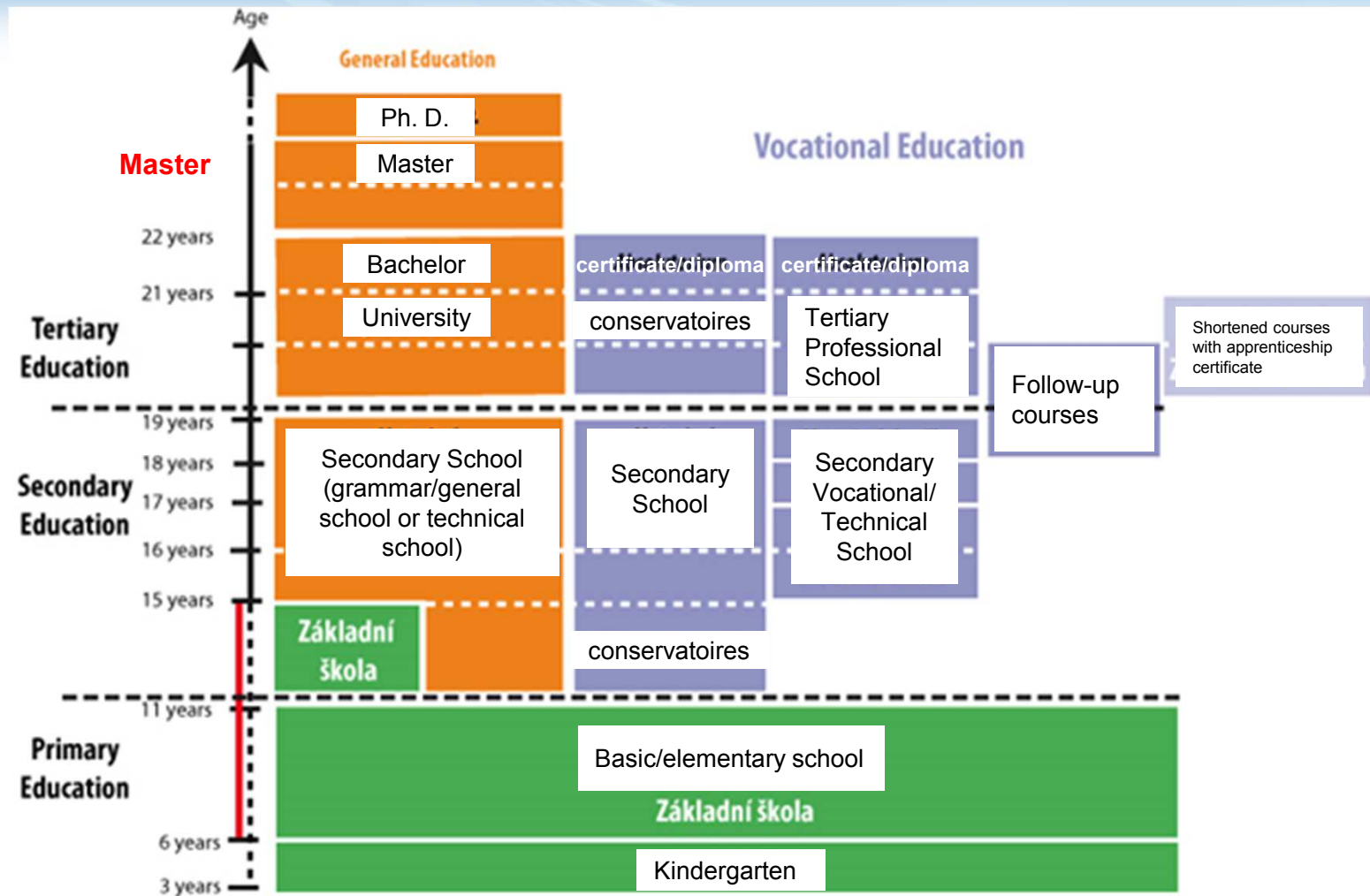**TAIWAN TECH**   National Taiwan University of Science and Technology

Scholarship

Eiffel Scholarships: 1100 € per month during 2 years
Based on **academic merit (~3 students from China get it)**

Joseph Fourier scholarship (25~30, acceptance ratio: 30%)
- Application deadline (March 31),
- 優先審核：理工科技、經濟商管、法律政治及語言科學、翻譯
- 法國在台協會傅立葉獎學金**(BJF)**：屬激勵獎學金，獎助期限為碩士學程第一學期 (期限六個月).**獎助金615歐元/月**
- 法國在台協會**-**宗倬章教育基金會傅立葉獎共同學金**(BJF-TCC)**：本獎學金由宗倬章教育基金會及法國在台協會共同提供, 獎助期限以取得碩士學位為原則 (至多24 個月) 。**獎助金800歐元/月**

語言：法國文化協會(台大推廣部)，師大法語中心

Czech Education System

France Education System