



2017 Master's Degree Program in Transportation
Engineering in Developing Countries

Application Instruction

Central South University

January, 2017

Part I Program Introduction

1. Program objectives

The Master's Degree Program in Transportation Engineering (Rail Transportation Equipments) is a two-year English degree program offered by the School of Traffic and Transportation Engineering at Central South University. It is designed for professionals engaged in rail transportation area in developing countries. The program aims to help students gain a broad understanding of rail transportation fundamental theory, and enhances their analytical and problem solving abilities by applying specialized theories and tools.

The program aims to

- Mastering the fundamental theories and professional knowledge of railway transportation of high-speed railway and electric multiple units; Understanding the latest researches throughout the world on the basis of mastery of transportation engineering theories and analytical skills;
- Tracking the application of new technologies, new methodologies and new materials in rail equipment area, and be able to flexibly use the professional basic theory and professional knowledge so as to creatively solve the problems in engineering practice.
- Obtaining the capability of transportation engineering management and leadership.

2. Teaching Methods

Duration of Study

The program is a 2-year, full-time program, consisting of course study and engineering practice for the 1st year, thesis writing and thesis defense for the 2nd year.

Credit Requirement

Acquiring transportation engineering master degree must finish 8 core courses (compulsory) of 24 credits (in total), engineering practice of 4 credits, a research thesis of 3 credits (including 1 credit of research proposal and 2 credits of academic activity)

3. Courses

Core Courses and Credits

No.	Core Course	Credit
1	Locomotive Engineering	3
2	Vehicle Engineering	3
3	EMU Technologies	3
4	Railway Engineering	3
5	Rail Transportation Organization	3
6	Vehicle Strength and Dynamics	3
7	Electrical Traction and Control for Railway Vehicles	3

8	Railway Enterprise Management	3
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4. Semesters

Time	Contents
Sep 2017	Registration of Students & Opening Ceremony
Sep 2017 – May 2018	Course Study & Selecting Supervisor
Jun 2018	Field Practice
Jul 2018	Selecting Thesis Topic
Sep 2018 – Apr 2019	Thesis Research and Writing
May 2019 – Jun 2019	Thesis Defense
Jun 2019	Commencement

5. Master's Thesis

The thesis writing must be followed by university requirements, and no less than 20,000 words. After thesis writing, with consent of supervisor and review of college, students can apply for thesis evaluation and defense. After passing the evaluation of thesis evaluation, thesis defense can be organized.

6. Degree-conferring

After meeting all the training objectives and accomplishing thesis defense, students can be conferred with master degree with successful evaluation of Degree Evaluation Committee.

Part II How to Apply

1. Qualifications of Application

Applicants should:

- Be in compliance with the laws and regulations of the People's Republic of China (PRC) and the university regulations, and respect Chinese customs and habits;
- Be non-Chinese nationality and hold valid foreign passport;
- Hold a Bachelor's degree;
- Have a TOEFL score above 560 (paper-based) or 220 (computer-based), or a new TOEFL score higher than 85, or IELTS higher than 6.0, or other equivalent English language ability certificates. Native English speakers, or holders of Bachelor's degree from institutions where the language of instruction is solely in English, do not need to provide English test scores;
- Be government officials, managerial or technical personals in higher education institution, scientific research institute or enterprise, who will be given favorable considerations.
- Be healthy, capable of studying, without diseases classified as “prohibited entry into China” under Chinese laws and regulations;
- Be recommended by the Chinese Embassies in applicant's country.

2. Procedures of Application

- Filling in the form in the electronic version “Master's Degree Program in Transportation Engineering (Rail Transportation Equipment) in Developing Countries Application Form in Central South University”, printing it and signing it with dates;
- Sending electronic copies of all the application materials to School of Traffic & Transportation Engineering of Central South University by Email: he_jie@csu.edu.cn;
- If accepted, the applicants must submit the hard copies of all the application materials to School of Traffic & Transportation Engineering of Central South University in person when they make registration;

3. Required Documents

Please read the following carefully and prepare the application materials as required. If the application materials are incomplete, the application will not be accepted.

Documents Needed		Requirements	Originals	Copies
1	Application Form	Complete “Master's Degree Program in Transportation Engineering (Rail Transportation Equipment) in Developing Countries Application Form in Central	1	1

		South University”, print and sign it with dates.		
2	Graduation and Degree Certificates	Graduation and Degree Certificates must be originals or the notarized copies, in Chinese or English; If the applicant has not graduated yet, he or she should provide a letter issued by the school to state the graduation date.	1	1
3	Transcripts	Official transcripts must be originals or notarized copies in Chinese or English; Transcripts must cover all the courses studied and final standards achieved.	1	1
4	Personal Statements	Statement should include: academic background, relevant work experiences and achievements, study and research proposal, career development after graduation (no less than 1500 words).	1	1
5	Resume	Written in English.	1	1
6	Recommendation Letters	2 recommendation letters from university professors, senior officials of the local educational department or government; Recommendation letters must be originals written in Chinese or English.	2	2
7	English Proficiency Certificate	Non-native English speakers or those who did not participate English-taught Bachelor Program should submit English proficiency certificate like TOEFL, IELTS etc.	1	1
8	Copies of Valid Passport	The passport must be valid (period of validity no less than 6 Months); Note: The passport used to apply must be the same with passport used for entry into China and registration in Hunan University.	0	2
9	Photos	2 latest photos in passport photo size; 1 should be stuck to the application form.	2	0

Note: All application materials must be in English or Chinese. If originals can not be provided, please make sure you will provide notarized copies in English or Chinese. Accepted or not, all the application materials will not be returned.

4. Deadline

The deadline of application is May 31, 2017.

Admission Notice will be sent in early July, 2017.

5. Eligibility

School of Traffic & Transportation Engineering of Central South University will check the eligibility of the applicants according to relevant regulations.

6. Registration

Registration will be in early September, 2016. The specific time will be stated on the Admission Notice. The applicants must register, according to the stated time, in Central South University. Early arrival is not accepted.

7. Description of related costs

Admission Students are entitled to full scholarships provided by the Chinese government, including tuition, accommodation, international travel fees (including an international travel on home leave), one-time settlement fee, living expenses, medical insurance and book fees etc. Of these, the standard cost of living expense is 3,000 RMB per month, medical insurance is 800 RMB per year, and one-time settlement fee is 3,000 RMB.

8. Contact Information

Tel: +86-731-82655536

Fax: +86-731-82655315

Email: yanfeili@csu.edu.cn

Website: <http://stte.csu.edu.cn/>

Post Address:

Room 326, School of Traffic & Transportation Engineering of Central South University, 22 Shao-Shan-Nan Road, Changsha, Hunan province, P. R. China. Post Code: 400075.



中南大学
CENTRAL SOUTH UNIVERSITY

中南大学交通运输工程硕士专业（轨道交通装备）项目申请表
**Application Form of Master's Degree Program in Transportation
 Engineering (Rail Transportation Equipments) in Developing Countries
 in Central South University**

**请用英文大写印刷字体或中文填写此表/Please fill in the form by Capital letters in English or in Chinese
 **请填写好此表后，打印并签上名字和日期/After completing the form, please print it out and sign on the form

1.基本情况/Personal Information

护照姓名 Passport Name	姓 Family Name:	国籍 Nationality	彩照 Photo
	名 Given Name(s) :		
中文名 Chinese Name		性别 Gender	男 Male <input type="checkbox"/> 女 Female <input type="checkbox"/>
婚姻状况 Marital Status	未婚 Single <input type="checkbox"/> 已婚 Married <input type="checkbox"/>	护照号码 Passport NO.	YYYY/MM/D D
		护照有效期 Passport Validity	
出生地点 Place of Birth		出生年月 Date of Birth	_____年 ____月 ____日 YYYY MM DD
母语 Native Language		宗教信仰 Religion	
目前工作情况 Current Employment	所在机构 /Employer:	地点/Location:	电话/Tel:
	职业/Occupation	职务/Position:	传真/Fax:
手机/Mobile Phone:		电子邮箱 Email:	
永久通讯住址/Permanent Address:			
录取通知书寄达地址/Correspondence Address:			

1. 教育背景/Educational Background(from tertiary education)

1.1 Highest Diploma(Degree)

Name of School		School Location	
Major/Subject		Degree Obtained	
Years Attended(from/to)		Teaching Language	

1.2 Other Diploma, is applicable

Name of School		School Location	
Major/Subject		Degree Obtained	
Years Attendedn(from/to)		Teaching Language	

1.3 Other Diploma, is applicable

Name of School		School Location	
Major/Subject		Degree Obtained	
Years Attendedn(from/to)		Teaching Language	

2. 工作经历/Employment Record

所在机构 Employer	起止日期 Time (from/to)	从事工作 Work Engaged	职务 Position Held

3. 语言能力/Language Proficiency

4.1 英语/English: 很好/Excellent 好/Good 较好/Fair 差/Poor 不会/None

4.2 我的英语水平可以用英语授课/ I can be taught in English: 是/Yes 否/No

4.3 可提供的英文水平材料: Documents which can show your English Proficiency:

Courses taught in English in undergraduate studies Transcripts of English Training: _____;

TOEFL(score)_____; IELTS(total)_____;

4. 亲属情况/Family Members

姓名/Name	年龄/Age	职业/Occupation	联系电话/Tel	电子邮箱/E-mail
配偶 Spouse				
父亲 Father				
母亲 Mother				

5. 曾经发表的作品和论文/Publications and Thesis

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**** Please submit the following documents with the application form/申请人在递送本申请表同时, 请提交以下材料**
申请材料清单 Application checklist (all items must be checked):

Application Form of Master's Degree Program in Transportation Engineering (Rail Transportation Equipments) in Developing Countries in Central South University 中南大学交通运输工程硕士专业(轨道交通装备)项目申请表

A formal Graduation and Degree Certificate of your highest education(notarized photocopy)/最后学历证明(经公证的复印件)

Transcript of your highest education(original or notarized photocopy)/学习成绩单(原件或经公证的复印件)

Personal Statement(in English, academic background, relevant work experiences and achievements, study and research proposal, career development after graduation)/英文个人陈述

Resume (in English)/英文个人简历

2 recommendation letters(original in English or in Chinese)/2封推荐信(英文或中文原件)

Photocopy of English Proficiency Certificate(including TOEFL, IELTS or English Training Transcript. Native English Speakers and those who were taught in English during undergraduate program does not need to provide this paper)

Photocopy of valid passport (The passport used to apply must be the same with passport used for entry into China and registration in Central South University) /有效护照复印件(须与入境护照为同一本护照)

2 latest Photos in passport photo size, 1 photo should be stuck to application form(2张近期护照照片, 其中一张粘贴于申请表)

**** The documents above should be original documents in English or in Chinese; otherwise notarized translations in English or Chinese are required/上述申请材料需要提交英文或中文原件, 或经公证的英文或中文译文。**

**** All the application documents will not be returned whether the application is accepted or not/无论申请人是否被录取, 上述申请材料恕不退还。**

**** Only applicants recommended by the Embassy of the People's Republic of China will be considered and admitted/申请人须经中国驻其所在国使馆推荐。**

I hereby affirm that/申请人保证:

(1) I hereby declare all the information provided here is true and correct to the best of my knowledge/我在此申明所填写的内容真实无误;

(2) I shall abide by Chinese laws, decrees and rules, regulations of university, and will not participate in any activity in China which is deemed to be adverse to the social order of China and are inappropriate to the capacity as a student/在校学习期间遵守中国的法律法规和学校的规章制度, 不从事任何危害中国社会秩序的, 与本人来华学习身份不符合的活动。

申请人签名/Signature of the applicant: _____

日期/Date: _____

The application is invalid without the applicant's signature/无申请人签名, 申请无效