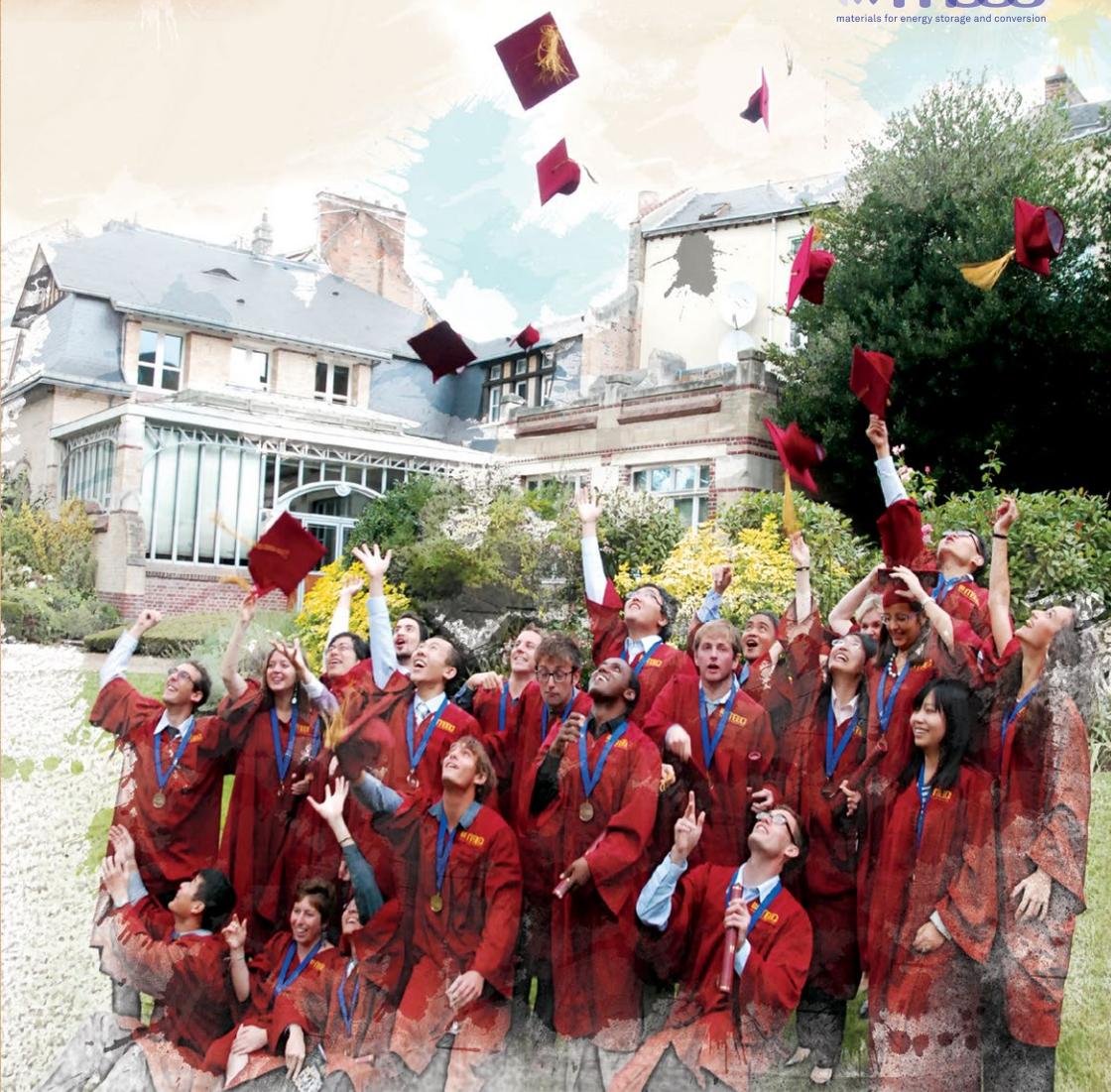


# GUIDE FOR MESC STUDENTS

Version 01/2015





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# MESC PEDAGOGIC COMMITTEE

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# MESC PEDAGOGIC COMMITTEE

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L'Université de Picardie Jules Verne est particulièrement fière de compter parmi ses formations le Master Erasmus Mundus MESC, Materials for Energy Storage and Conversion, qui a obtenu un premier label européen en 2005, renouvelé en 2010, traduisant son niveau d'excellence.

Cette formation, dédiée aux Matériaux pour le Stockage et la Conversion de l'Énergie, est basée sur un partenariat national et international, réunissant 7 universités et 2 membres associés. En 2013, le master entrera dans sa dixième année d'existence et verra sa huitième promotion diplômée.

L'objectif majeur est de dispenser aux étudiants une formation de haut niveau sur la synthèse, la mise en forme, la caractérisation et les propriétés des matériaux pour le stockage et la transformation de l'énergie. Ce diplôme offre aux étudiants une formation dispensée dans les universités de plusieurs pays de l'Union Européenne (la France, la Pologne, ainsi que l'Espagne selon le parcours choisi), et leur permet d'appréhender des cultures scientifiques différentes. L'ambition est de former non seulement des spécialistes d'un domaine de haute technologie en plein développement, mais également des individualités capables de s'intégrer pleinement dans un milieu industriel et universitaire international.

La réussite du master Erasmus Mundus MESC est le fruit d'un investissement intellectuel remarquable d'enseignants-chercheurs coopérant depuis de nombreuses années dans des réseaux scientifiques internationaux.

Je forme le vœu que ce succès puisse trouver son prolongement avec la décennie à venir et vous souhaite une très belle année universitaire.

Michel BRAZIER  
Président de l'Université de Picardie Jules Verne



Our team is very proud to launch this first Edition of the Student's Guide for the M.E.S.C. Master Course, and I am honored, as the ERASMUS MUNDUS coordinator of this program, to write this Editorial.

The M.E.S.C (Materials for Energy Storage and Conversion) Master Course has been created in 2004 as the educational counterpart of a big research effort launched within the European network of Excellence, ALISTORE. It was recognized with the prestigious label, ERASMUS MUNDUS, starting Sept. 2006 (Class#3) and renewed for 5 more years in Sept. 2011 (Class#8). The M.E.S.C Master Course offers a unique combination of high-level academic training (in English) with strong connections to real industrial applications in energy storage and conversion through ~20 Academic Research Laboratories all over Europe and ~15 companies gathered in the so-called industrial club of ALISTORE.

The M.E.S.C. consortium, which included in its first two-years of activities, the Italian Universities of Roma La Sapienza and Tor Vergata, is nowadays (since 2011) built around 7 partner Universities with specific expertise in the field : Toulouse (France), Marseille (France), Warsaw (Poland), Córdoba (Spain), Amiens (France), Xiamen (China) & Drexel (USA)

Overall, as of today, 146 young scientists (originating from 34 different countries) already graduated from MESC since 2006 and constitute a unique network of professionals in the field of Energy Storage and Conversion, mostly at the PhD level (more than 75 %). We are particularly proud of running such a program which, hopefully, will participate to the enhancement of higher education in Europe through multicultural exchange, and with the essential input of brilliant students from all over the world.

I wish to acknowledge the essential contribution of Mrs. Jamila Tamimy and of her colleagues in each partner University, for gathering all the necessary, and hopefully useful, information presented here. On behalf of all the Professors and of the administrative staff involved in running the program, I wish all the best to our M.E.S.C. students and a warm welcome in Europe.

Christian MASQUELIER

Professor at UPJV Amiens  
Coordinator of M.E.S.C.

# APPLICATION

ERASMUS + : ERASMUS MUNDUS JMD		PRIVATE GRANTS (Alistore-ERI, RS2E, CIC Energigune)	
Non European students	European students	Non European students	European students
- 24.000 € (1.000 € monthly allowance during 24 months)  - For installation and travel costs: 5 000 € if your residence is situated at less than 4 000 km from Amiens (France) or 7 000 € if your residence is situated at more than 4 000 km from Amiens.	- Maximum of 24 000 € (1 000 € monthly allowance during 24 months) except during the mobilities spent in the country of residence  - 2 000 € for participation costs  - 2 000 € for travel costs  <b>==&gt; Maximum of 28 000 €</b>	- 12.000 € (500 € monthly allowance during 24 months)  - 8.000 € for participation costs  <b>==&gt; 20.000 €</b>	- 10.000 € (~420 € monthly allowance during 24 months)  - 2.000 € for participation costs  <b>==&gt; 12.000 €</b>
<b>==&gt; 37 000 € or 39 000 €</b>			

N.B: Participation costs :

- ◆ For Third countries students : 2 000 €/Semester hence 8 000 € for the whole MESC Master Courses
- ◆ For European students : 500 €/Semester hence 2 000 € for the whole MESC Master Courses

## Who can apply ?

Students from all over the world can apply for MESC.

Students who are at least holders of a Bachelor degree (or licence) in Science (Chemistry, Physics, Physical Chemistry, Chemical Engineering, Metallurgy, Material Sciences, Electrochemistry).

Students in their final year of undergraduate (licence 3, bachelor) are welcome on the condition that they are graduated before they enroll.

## When to apply ?

From 1st November to 31st January : Application for a scholarship. Deadline extended to 15th May for applications as self supported students.

These dates may change a little bit every year but will remain quite the same. For more security please visit regularly our website in application section.

## How to apply ?

### First step :

Please fill in the application form available on our website [www.u-picardie.fr/mundus\\_MESC](http://www.u-picardie.fr/mundus_MESC) and attach the requested documents. Please make sure you have electronic PDF versions of :

- your passport
- your Curriculum Vitae
- 2 recommendation letters
- your transcripts of records
- a proof of your level in English
- an essay on energy-related topic
- a certificate of residence



### Second step :

Please send the hard copies (certified copies) of all the documents we require (listed above) to the following address :

**MESC Consortium** - Jamila Tamimy  
Université de Picardie Jules Verne - Direction des Affaires Internationales  
Chemin du Thil, 80025 Amiens Cedex 1 - FRANCE

N.B: This second step is **COMPULSORY** to validate your application. If we do not receive the certified hard copies of the documents in due time, we will regret to reject your application.

## Admission procedure

### Selection

The whole MESC Consortium meets every year in one of the Consortium city in mid February for the Selection Committee.

### Applicants will be evaluated on the basis of some criteria below :

They will be evaluated on their prior performance and professional promise, as evidenced by academic records and recommendation letters from individuals familiar with their capabilities.

Applicants will have to explain their goals and interests in following a European Master Course.

As all the courses will be taught in English, applicants whose native language is not English must take the TOEFL/TOEIC examination prior to applying for the Master Courses. A minimum level of 550 points is required.

\*\*\*\*\*

- ◆ Estimated time for the notification of results : around the third week of February
- ◆ Estimated time for the EACEA notification of results : Around Mid April

# CONTENT OF THE COURSE

## Schedule

# THE MESC CURRICULUM

Year 1		Year	
<i>Integration week</i>			
<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>
EXAM 10-25 January	EXAM 5-15 June	EXAM 10-25 January	Oral defence
In Marseille or in Toulouse	In Warsaw	In Amiens or Cordoba	In Philadelphia or Xiamen
	Summer break 20 June → 15 sept Holidays or internship*		MASTER THESIS
	Wherever you want		Graduation week
In Amiens			In Amiens

\* During your summer holidays (break between Y1 and Y2), you may have the opportunity to do an internship (found by yourself)

# CONTENT OF THE COURSE

## Curriculum

### Semester 1 in France : 270h, 30 ECTS

#### Mandatory courses taught in each Toulouse or Marseille :

TU1	General electrochemistry	60h, 6 ECTS
TU2	Solid-state chemistry	70h, 8 ECTS
TU3	Physical chemistry of materials: bonds, defects, reactivity	30h, 4 ECTS
TU4	Language (english)	20h, 2 ECTS

#### Specific courses taught either in Toulouse or Marseille : 90h, 10 ECTS

Option 1 : Université Paul Sabatier, Toulouse	90h, 10 ECTS	
TU5	Application of surface treatments to the Energy Storage	35h, 4 ECTS
TU6	Energy storage and conversion 1	55h, 5 ECTS
Option 2 : Aix-Marseille Université	90h, 10 ECTS	
TU7	Materials science and modeling	25h, 4 ECTS
TU8	Surface analysis and spectroscopies	65h, 6 ECTS

### Semester 2 in Poland : 270h, 30 ECTS

#### Mandatory courses taught in Warsaw : 270h, 30 ECTS

TU9	Polymer electrolytes	90h, 10 ECTS
TU10	Materials technology and fuel cells	60h, 7 ECTS
TU11	Energy storage and conversion 2	60h, 7 ECTS
TU12	Photovoltaïcs	40h, 4 ECTS
TU13	Language (English)	20h, 2 ECTS

### Semester 3 in France or Spain : 270h, 30 ECTS

#### Mandatory courses taught in each of Cordoba and Amiens universities : 180h, 20ECTS

TU14	Structural investigation and characterization of materials	60h, 6 ECTS
TU15	Thermal, textural and morphological analysis of materials	40h, 4 ECTS
TU16	Materials at the nano scale	30h, 4 ECTS
TU17	Energy sources and energy storage : demands and applications	30h, 4 ECTS
TU18	Laboratory pratice and bibliographic thesis	20h, 2 ECTS

#### Specific courses taught either in Córdoba or Amiens : 90h, 10 ETCS

Option 1 : University of Córdoba		
TU19	Modern techniques for the synthesis of nanomaterials	50h, 5 ECTS
TU20	Application of nanomaterials to energy storage and conversion	40h, 5 ECTS
Option 2 : University of Picardie Jules Verne in Amiens		
TU21	Battery technology and benchmarking	60h, 6 ECTS
TU22	Materials for hydrogen storage	30h, 4 ECTS

### Semester 4

Six months research training within laboratories of the European Research ALISTORE-ERI or in Xiamen or Drexel Universities.

TU23	Master thesis + oral defense and poster presentation	
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# FORMALITIES

## Visa

### ➤ **Visa for France**

European students are exempted from having a resident permit in order to study in France. They don't need to ask for a visa, their ID card or passport are sufficient.

Non-European students have to apply for a one year student visa (VLS TS : Visa Long Séjour - Titre de Séjour). This visa is equivalent to a resident permit.

After your official selection notification, we advise you to visit Campus France website ([www.campusfrance.org/en](http://www.campusfrance.org/en)). You will find on their website the contact details of the concerned institution that will guide you during your request.

You will be required to provide along with your application the documents listed below :

- valid passport
- proof of your address (accommodation in the first hosting country)
- acceptance letter\*
- full face photography
- fiscal stamp of 58€ (You can pay by fiscal stamp on [www.timbresofii.fr](http://www.timbresofii.fr))

\* The acceptance letter and the proof of your address will be sent you by the MESC Coordination.

You have to give to the MESC Coordination in Marseille or Toulouse your “formulaire de demande de visite médicale OFII” provided by the agency or Consulate. After this, you have to pass a medical examination (compulsory and free) to validate your student visa and obtain your “vignette OFII” which validate your resident permit.

If you stay more than one year you have to renew your visa.

N.B : Don't loose the certificate of your medical examination ; you need it to renew your visa.

### ➤ **Visa for Poland**

Before starting your semester 2 in Warsaw, non-EU students will be required to obtain a Polish visa.

To apply, you must register online to this website :

[www.secure.e-konsulat.gov.pl](http://www.secure.e-konsulat.gov.pl)

And here you can have more information :

[www.paris.mfa.gov.pl/fr/informations\\_consulaires/demarches\\_et\\_formalites/visas](http://www.paris.mfa.gov.pl/fr/informations_consulaires/demarches_et_formalites/visas)

Documents to provide :

- application form
- a travel document
- 1 ID picture
- the amount of application fees
- proof of medical insurance
- documents extra : aim of the travel + sufficient financial supports for the whole stay in Poland + the obligation to stay in Poland more than 90 days.

After the registration you can choose a date for your appointment. It will take 2 weeks to get your visa ready. To collect your visa you will have to go to the Polish Embassy in Paris :

## **Ambassade de la République de Pologne**

1, rue de Talleyrand  
75007 Paris  
Tel : 01 43 17 34 00  
Fax : 01 43 17 34 34

Access :  
Metro Line 13 or 8  
Station : Invalides

## **Insurance**

All the MESC students will have the same insurance covering health, accident, travel etc, during the two years of the programme.

This insurance policy is contracted by the MESC Consortium, which means that it is free of charge for you. You will receive your insurance card by email before your departure around July.

The policy also provides some assistance in the case of a lost passport or identification.

## **Bank account**

During your stay in Europe you will need a bank account, especially for the payment of your scholarship.

This account will be opened at your arrival in Amiens. The account opening formalities will be done by the MESC Coordination prior to your arrival and the only thing that you will be asked is signing the documents during the integration week.



# FORMALITIES

## Accommodation

You have two options. Stay in a room in the University residency with other students or find a private accommodation.

### University dormitory

Prior to your arrival in each concerned city, the MESCC Consortium will book for you a room in a University dormitory. Important : the payment of the rent remains payable by you.

### Own accommodation in France

If you prefer to rent a private accommodation or share a flat with friends, here is some information to help you to find it :

[www.leboncoin.fr](http://www.leboncoin.fr)

[www.crous-amiens.fr](http://www.crous-amiens.fr)

[www.reflexe-crij.org](http://www.reflexe-crij.org)

[www.seloger.com](http://www.seloger.com)

[www.paruvendu.fr](http://www.paruvendu.fr)

If you want to share a flat with flatmates you can find some ads on :

[www.appartager.com](http://www.appartager.com)

[www.recherche-colocation.com](http://www.recherche-colocation.com)

[www.colocation.vivastreet.com](http://www.colocation.vivastreet.com)



### Accommodation in Philadelphia

Here two websites that may be helpful for you when looking for an apartment :

[www.ihousephilly.org/student-housing/housing-rates](http://www.ihousephilly.org/student-housing/housing-rates)

[www.offcampushousing.drexel.edu](http://www.offcampushousing.drexel.edu)

You can also turn to estate agency but agency fees will be asked you.



# ENROLMENT IN EACH PARTNER UNIVERSITY

Below are listed the different documents which will be mandatory for your enrolment in the Universities you will study.

Please read it carefully.

## Université Picardie Jules Verne

- Your original official last degree obtained and your high school diploma
- A copy of your passport or ID card, with your visa for non-European students
- 2 ID coloured pictures
- A copy of your health insurance card
- For French students, « une photocopie du certificat de la journée d'appel de préparation à la défense »
- For French students: if you are concerned « original de l'avis d'attribution conditionnelle de bourse délivré par le CROUS »

## Université Paul Sabatier

- A copy of your last degree obtained and your high school diploma
- A copy of your passport or ID card, with your visa for non-European students
- 1 ID coloured picture
- A copy of your health insurance card

## Aix Marseille Université

- Your original official last degree obtained and your high school diploma + official translated version (into French)
- A copy of your passport or ID card with your visa for non-European students
- 1 ID coloured picture
- A copy of your health insurance card
- For French students, « une photocopie du certificat de la journée d'appel de préparation à la défense »
- For French students « Originaux des relevés de notes des années antérieures et du baccalauréat »

## Warsaw University Technology

- Personal questionnaire
- Copy of your passport or ID card
- Copy of your visa for non-European students
- Copy of your Bs diploma in English or French, if any other language, please copy the original version as well
- Original of the diploma to be presented to us for formal comparison (if for some reasons your diploma is missing, we will need a copy of transcripts)
- 2 ID pictures, signed



# ARRIVAL TO AMIENS

## Arrival to Amiens

Before starting your semester 1, you will be invited to come to Amiens during one week in September for the so-called Integration Week.

## Arrival by plane

If you travel by plane and arrive to the airport :

### ✈️ Roissy Charles de Gaulle

You can arrive to Amiens by taking TGV (high speed train) from Terminal 2, TGV station (called CDG2).

If you arrive in other terminals (1 or 3), you only have to find the CDGval, the free airport shuttle. The easiest way to reach Amiens then is to book a train ticket from CDG2 station to Amiens. The first part of the trip will be in TGV from CDG2 station to the TGV Haute Picardie station. When arriving in TGV Haute Picardie station, then you will take a bus which will go to Amiens station, in the centre of Amiens.

### ✈️ Orly

If you arrive from Orly airport you have two solutions :

- From the Orly terminals, you can take the RER line Orlyval until Antony stop. Once arrived there, take the B3 RER line (direction Aéroport Charles de Gaulle) until Gare du Nord stop. This is a big station, so you will have to walk a little bit to reach «Grandes lignes». Once in the hall of the station, take a train until Amiens station.
- In front of the terminals, you can take the bus Orlybus until Denfert Rochereau station (choose this option only if your flight arrives late, after 11:00 p.m). Once there, you go to the subway station and take the B3 RER line (direction Aéroport Charles de Gaulle) until Gare du Nord stop.

All the useful information concerning booking and fees here : [www.ratp.fr](http://www.ratp.fr)

Orlyval website : [www.orlyval.com/eu](http://www.orlyval.com/eu)

### ✈️ Beauvais-Tillé

You can take the shuttle Beauvais-Amiens, line 30E. The ride time is about 1h20. The prize is about 11€. You can consult the timetable on [www.oise-mobilite.fr](http://www.oise-mobilite.fr).  
(Departure point : Tillé Airport => arrival point : Amiens station)

## Arrival by train

If you arrive to Paris by train, whatever the station, you have to go to the “Gare du Nord” and get a train to Amiens. The ride time is about 1h30 and costs about 20 €.

In Amiens, either Christian Masquelier or Jamila Tamimy will come to pick you up at the station.

A room is booked for your whole integration week in Amiens and free of charge for you. A train ticket to Marseille or Toulouse will be booked, free of charge for you. As well you will receive it the day of your departure from Amiens.

## How to book your train ticket to Amiens ?

Here some information that may be useful you to book your train ticket to from Charles de Gaulle to Amiens or Paris Gare du Nord to Amiens.

- ✦ Please visit [www.tgv-europe.com/en](http://www.tgv-europe.com/en) website. When you are on the homepage, select the “train” tab on the top of the page, and “book online”. Fill in the fields “leaving from” and “going to” with :
  - Respectively “CDG2TGV station” and “Amiens” if you leave from CDG2 station. If you choose this option, your trip will be divided in 2 steps : first, you will take the TGV to TGV Haute Picardie (around 30 mn) and then, you will take a bus from TGV Haute Picardie to Amiens. So when choosing your trip, please take care to choose “from CDG2 TGV station to Amiens , via TGV haute Picardie”
  - Or if you leave from Paris Grade du Nord : “Paris all stations” and “Amiens”
- ✦ The TGV station in Roissy-Charles de Gaulle Airport is in the Terminal 2. Please consider this when booking your train ticket. You need around 20 mn from Terminal 1 to go to the TGV station. Do not worry, the terminal 2 is well indicated in all the terminals.
- ✦ When booking your train ticket, do not forget to select “12-25 years” and then “season ticket” in the appropriate fields if you are lower than 25 years old. It will provide you with some discount !
- ✦ If you can, please print the ticket before your departure. You will be able to retrieve it in the TGV station in the CDG airport, but you'd better print it in advance.
- ✦ Amiens is about 130 km from Paris and 60 km from Beauvais (Tillé airport).

## BASIC INFORMATION

- Marseille is the second biggest town in France. Marseille and its countryside are famous areas to spend holidays with a good climate.
- Notre Dame de la Garde « La Bonne Mère » is an emblematic Monument which protects mariners, fishermen and all the inhabitants of the city. Real point of view, you can have there a beautiful panorama of the entire town.
- “Le vieux Port”, the old port is a symbolic place and the oldest port of Marseille as well as its historic and cultural Center. It’s also the place for popular meetings. Between this old port and the new port, you can visit the “Cathédrale Sainte-Marie-Majeure”.
- To have a walk you can go to the “Canebière” which is a big street of 1 kilometre in the city centre.



## LIVING IN MARSEILLE

### Accommodation

During your semester in Marseille, as said in the chapter “Accommodation” you will have a room at the University dormitory “Gaston Berger” or, if you prefer, you may find by yourself a private flat/room.

**Cité Gaston Berger** (residence)  
43 rue du 141ème RIA  
13003 Marseille

Access to the dormitory : 30 rue Lucien Rolmer (red portal).

### Catering

You can eat at the University restaurant (3€/meal).



**Restaurant Universitaire Gaston Berger**  
43 rue du 141ème RIA  
13003 Marseille

Try the most famous meal of Marseille, the “bouillabaisse”, a fish soup. The tourism Office proposes you to prepare your own “bouillabaisse” with cookers.

## Culture

By boat you can have access to the Frioul Island and you can discover the "If Castle". In 2013, Marseille is the European Capital of Culture. The Pavilion M, a building of wood and glass takes place in the Place Bargemon. The Pavilion has exhibitions about the city, its people and what goes on here. On the upper floor there is a tourist office where you can get information about capital of culture events.

## Sport and leisure

In Marseille you can try some extreme sports uncommon like skydiving, ULM, canyoning, kite surf or bungee jumping. But also all sports more common.



On this website you may find what you are looking for : [www.fairedusportamarseille.com](http://www.fairedusportamarseille.com). To feel like a true inhabitant, go to attend a soccer game in the mythic stadium the "Vélodrome", to support the Marseille soccer Team "Olympique de Marseille". Don't miss to explore the rocky stretch the "Calanques". Do you know the Marseille Soap ? If you had to bring one "souvenir", it would be this one ! To learn more about it, go to the Soap Factory "Le Fer à cheval".

## Where to go out?

The "Quartier de la Plaine" is the place to be to have fun in Marseille. This place is located around the Jean Jaurès Place. Do you want to spend evenings uncommon ? Go to the "Cyclope" for a gorgeous Cabaret spectacle ! You can find lots of Clubs to dance at the Old Port and in the City Center area.

More information on : [www.marseille-tourisme.com](http://www.marseille-tourisme.com)



## BASIC INFORMATION

- Toulouse is located in the South of France. This city is called the “Pink Town” because of the colour of its houses bricks. It is also a huge student city ; the Toulouse University is one of the oldest French Universities. Paul Sabatier, Nobel Prize in Chemistry, was the Head of the Chemistry Faculty.
- The basilica of Sernin, master piece of the Romanesque art is registered to the UNESCO world heritage.
- Visit the Capitole, the famous Opera and the head Office of the town.
- Let's explore the manufactory of Airbus ! All the year, Airbus opens its doors for the public.
- Wish to hear beautiful religious song in a unique place ? You can attend a concert in the “Chapelle des Carmélites”.



## LIVING IN TOULOUSE

### Accommodation

During your semester in Toulouse, as said in the chapter “Accommodation” you will have a room at the University dorm “Ranguueil” or, if you prefer, find by yourself a private flat/room.

#### **Résidence Ranguueil**

118, route de Narbonne  
31078 TOULOUSE CEDEX 5  
Tel : 05 62 25 62 00  
Fax : 05 62 17 26 06

### Catering

Near to the Paul Sabatier University you will have the possibility to have a lunch at the University restaurant (3€/meal).

#### **Restaurant Universitaire de Ranguueil 1**

118 Route de Narbonne  
31077 Toulouse

Taste the Toulouse candy with violet flower the “Violette de Toulouse”, to be in a second childhood. Toulouse is also known for its “cassoulet”, a typical meal with beans and sausages.



### Culture

Go for an amazing exhibition of medical instruments in the Instruments of Medicine and Hospitals Museum of Toulouse.

If you are art's amateur don't miss the Museum of Fine Arts in the city center.

Another good museum worthy of interest is the Museum of Natural History.

Do you desire to travel ? See over the City of Space, the European Park of spatial adventure

### Sport and leisure

To take a coffee, eat something ; let's go the Wilson place, in the center of Toulouse. You can also visit the Royal's Garden and the plants Garden or go for a ride and discover all the beautiful Bridges of the town.

Toulouse with those 6 golf's courses and its famous Rugby team can be described as a sporting town.

You can find an amazing number of field sports, relaxation sports, leisure which can be satisfy everyone on the official website of the tourism Office of the town :

[www.toulouse-tourisme.com](http://www.toulouse-tourisme.com)

Fan of sports ? Let's go to see the games of the Rugby team of Toulouse.

### Where to go out ?

The casino "Théâtre Barrière" is a real complex to festive and cultural multi-leisure activities. But before go to the center, next to the Capitole to find a lot of pubs and bars. 9 cinemas offer a wide variety of movies.

For more information : [www.toulouse-tourisme.com](http://www.toulouse-tourisme.com)



## BASIC INFORMATION

- Warsaw is the capital and largest city of Poland. This capital is a major international tourist destination and an important economic hub in Central Europe.
- The Tomb of the Unknown Soldier is the most important monument in Poland, dedicated to the unknown soldiers who have given their lives for Poland.
- The Royal Palace of Warsaw built around 1600 was the official residency of Kings of Poland.
- The old town market place is the heart of Warsaw and the most prominent tourist attraction with its shops, coffee and restaurants.
- To know a little more about the Warsaw history, discover the Warsaw Citadel a 19th-century fortress built by Tsar Nicholas I°.



## LIVING IN WARSAW

### Accommodation

During your semester in Warsaw, as said in the chapter “Accommodation” you will have a room at the University dormitory or, if you prefer, find by yourself a private flat/room.

### Catering

A typical meal of Poland is the “Bigos” with sauerkraut, vegetables, sausages and mushrooms. And also the “Pierogi” : stuffed pasta with cheese, potatoes and meat. The Polish food is especially based on meat which is cooked in different ways.

### Culture

A dozen of Concert Halls insure you a lot of concerts you will never forget. The Historical Museum of Warsaw is the museum to see for anyone wishing to understand the complex and unique character of Warsaw.

Free time ? Explore the Warsaw Zoological Garden founded in 1928. It’s about 5 000 animals belonging to 500 different species from Poland and also exotic animals.

Warsaw is also home to over 30 major Theatres spread throughout the city.

If you are amateur of classical music or just curious, let’s visit the Ostrogski Palace where is established the Chopin Museum. Chopin was a Polish songwriter and pianist.





### Sport and leisure

Do you want an uncommon promenade ? Take a ride around the streets of the Old Town in a horse-drawn cab.

The city is surrounded by land fit for all kinds of sports : bowling, fitness, cycling, tennis courts, 40 swimming pools, paintball etc....

Warsaw is a green city, indeed almost  $\frac{1}{4}$  of its area is comprised of Parks, green Squares and lush Gardens.

There is also a beach on the Vistula River (open during the summer) with lots of entertainment.

To find all things you need, go to the commercial center "Złote Tarasy". It counts 250 shops and restaurants, one hotel and one cinema. A lot of events are organized in there.

### Where to go out ?

Before trying one of the many good Jazz Clubs in Warsaw, go eating to the "Bazyliśzek", the famous typical restaurant of Warsaw. This familial establishment has been existing since 110 years !

Good to know : restaurants are often open all the afternoon.

An incredible number of clubs all over the town will guarantee you goods nights with your friends. The Ground Zero is one of them.

But the nightlife is concentrated around the "Nowy Swiat" area.

More information about Warsaw on : [www.warsawtour.pl](http://www.warsawtour.pl)



## BASIC INFORMATION

- Córdoba is in the South of Spain, in Andalucía, near Sevilla.
- The Córdoba Mosque Cathedral, registered in the UNESCO as the Mezquita, is one of the biggest Mosques in the world after the Mecca.
- The Alcazar is a group of beautiful Gardens and patios, a little piece of paradise.
- The San Lorenzo Church is one of the most splendid churches of Córdoba.
- The Madinat al-Zahra is a city-state built in 936 B ; it's now an archaeological Site undergoing restoration.

## LIVING IN CÓRDOBA

### Accommodation

During your semester in Córdoba, as said in the chapter “Accommodation” you can have a room at the University dormitory or, if you prefer, you may find by yourself a private flat/room.

Generally, MESC students choose the option “shared flats”.

### Catering

At the end of the afternoon, you can have an ice-cream at the famous ice-cream maker “Caseratto”.

At the restaurant try the “salmorejo”, traditional meal of Córdoba.



### Culture

Under the Spanish sun, enjoy the Córdoba Parks and Gardens.

The “Museum of the 3 cultures” will learn you a little about the Andalucía’s history. Córdoba offers an interesting number of festivals in several fields like music, theatre, cinema etc... : the “Audiovisual Creation Festival of Cabra” which takes place at the end of September.



**Sport and leisure**

Córdoba is the last step of the cycling competition “Spanish Tour” (la Vuelta). The town owns big leisure centers, with shops, restaurants... : Cines El Arcángel, Zoco Multicines or Patio Olmos.

Let’s practice sports thanks to the great variety of sport’s areas in Córdoba like the Xtreme Gene Watersports Complex. There you have the opportunity to try water-skiing and water-board.

The Paintball Sport Córdoba has more than 80.000 square meters of playing field, featuring six different playing scenarios. This place is recreational fun for virtually everyone.

**Where to go out ?**

You can try the amusement Park Sarmiento, located in the South of Córdoba, the “ren-dez-vous” for the amateurs of strong sensations and magic atmosphere.

In the evening if you want to enjoy live music and dance until late in the night, go to the city center, around the City Hall, and to districts like El Arenal or Ciudad Garden.

More information on : [www.english.turismodecordoba.org](http://www.english.turismodecordoba.org)



## BASIC INFORMATION

- Amiens is the capital and the biggest city of the Region “Picardie”. Amiens is about 130 kilometers from Paris.
- The Cathedral of Amiens is registered to the UNESCO world heritage. With its 112 meters high, it is one of the higher and bigger edifices.
- Amiens is also known for their “Hortillonnages” : small gardens along the river “Somme” that it is possible to visit in typical boat of the region.
- The author Jules Verne is closely linked to Amiens city. Nowadays one of his houses in Amiens is opened to touristic visits. He rests in the cemetery “la Madeleine” in Amiens.



## LIVING IN AMIENS

### Accommodation

During the Integration Week you will be lodged either in a youth hostel or in the University dormitory “Le Castillon”.

During your semester in Amiens, as said in the chapter “Accommodation” you will have a room at the University dormitory “Le Castillon” or, if you prefer, you may find by yourself a private flat/room.

### Residence “Le Castillon”

Rue du Général Frère  
80000 AMIENS  
Tel : 03 22 69 60 20

### Catering

You can eat at the University restaurant (3€10 for one meal) or at the cafeteria (snack, salads, pizza...)

- **Restaurant Saint Leu** - Rue de la Plumette
- **Restaurant de la Veillère** - Petite rue de la Veillère

N.B: About 4 minutes walking from the Science Faculty for both restaurants.

The typical meal of Picardie is the “ficelle picarde”, a salt crepe with mushrooms, cheese, ham and cream. You will find a list of the restaurants in Amiens on

[www.amiens-tourisme.com](http://www.amiens-tourisme.com) or on [www.lafourchette.com](http://www.lafourchette.com)

### Culture

If you want to watch a movie you can go to the Gaumont cinema (8.60€/ticket) or to the “Ciné Saint Leu” which proposes some discounts for students (5, 60€/ticket).



You can also attend exhibitions, plays, ballets, concerts... at the "Maison de la Culture", "La Lune des Pirates" or at the "Cirque d'Amiens".

To attend plays, you can also go to the "Comédie de Picardie".

Don't miss the International Movie Festival in November and the Christmas Market in City Center in December.

Library :

With your student card you are allowed to borrow some books in the University library. **BU Cathédrale** : 15 Placette Lafleur.

## Sport and leisure

The SUAPS (Service Universitaire des Activités Physiques et Sportives) proposes to students to practise a wide variety of sports like boxing (Free of charge).

To practise you need a health certificate delivered by a doctor.

The Coliseum is the city's biggest sport structure. There you can learn to play or get advanced training in a large number of sports: swimming, skating, aquagym, hockey, fitness...

There you will also have the opportunity to attend the famous city's hockey team the "Gothiques" games.

More information about sport : [www.osam.fr](http://www.osam.fr)

## Where to go out ?

The "Quartier Saint Leu" is a nice place to have a walk on embankments of the River "Somme" and to take a coffee. By night, is the place to be, to drink a beer and to go to dance ; there are more than 30 bars in this little area and the majority of clubs are there.



For more information : [www.amiens-tourisme.com](http://www.amiens-tourisme.com)



# PHILADELPHIA

## BASIC INFORMATION

- Philadelphia is the fifth largest town of United States. This town is the birthplace of the American independence. It is placed between New York and Washington.
- One of the world's largest city Parks is located in Philadelphia, the Fairmount Park. Here you can take a stroll, organize Frisbee games or just settle in for a picnic with your friends.
- To hear the ocean's secret revealed for you, go to the Adventure Aquarium at Camden's riverfront. It is the fifth largest aquarium in the country, and the only aquarium to exhibit hippos !
- Valley Forge National Historical Park is a real magnet for runners, bicyclists and picnickers as well as history buffs.
- If you like music, go to attend a concert in the Mann Center for the Performing Arts, one of the nation's largest outdoor amphitheatres, which is a top summer destination for music lovers in Philadelphia.



## LIVING IN PHILADELPHIA

### Accommodation

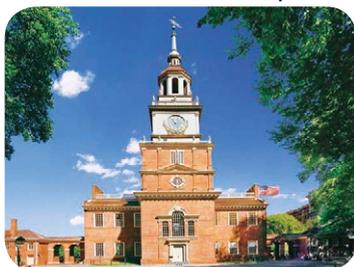
During the second year of the Master if you do your Master Thesis on Philadelphia, you will be accompanied by Drexel University to find an accommodation there. Try the Philadelphia typical meal, the cheesesteak: sandwich with beef, onions and the famous "cheesewhiz" a yellow cheese.

### Catering

Philadelphia is full of various restaurants. The Di Bruno Bros. specialties store is an absolute must-see if you appreciate food. According Americans, this place is very close to a boutique foodies heaven.

### Culture

As said before, Philadelphia is the cradle of the American Independence, that's why it hosts the National Constitution Center, the world's only Museum dedicated to the U.S Constitution.



To know the history of the American flag, discover the Betsy Ross House, the creator of the United States flag.

In Philadelphia you can also try the Eastern State Penitentiary, a 19th century prison designed to create social change.



## Sport and leisure

Whether you're more interested in watching the big game or practise sports by yourself, you will find your happiness.

There are some great sports facilities, endless recreational activities, gigantic Parks and beautiful Gardens. You can also support Philadelphia's teams of soccer,

basketball or baseball.

One thing very good to know about shopping: Philadelphia is a shopping destination because clothing and shoe purchases are tax-free ! If you want to renew your wardrobe it will be the moment.

## Where to go out ?

Why not try stopping into one of Philadelphia's area restaurants that feature live music with a delicious meal ? World Cafe Live is one of them.

If you don't have tickets to the game there is no problem. In a town as sports-crazy as Philadelphia, you can watch all game you want in one of the numerous Philadelphia pubs. Like the Chikie's and Pete's, the most popular sports bar.

And to end the evening on a high note, grab a cocktail and your friends, and then hit the dance floor in Philadelphia. For example, to the Silk City, this is one of Philadelphia's coolest night spots.

And don't worry if you are hungry after your party, Philadelphia is full of restaurants and bars that keep the kitchen open until 1 am and later.



For more information visit : [www.visitphilly.com](http://www.visitphilly.com) & [www.universitycity.org](http://www.universitycity.org)



## BASIC INFORMATION

- Xiamen is a major city on the southeast coast of the Republic of China. Not less of 4 million people live there. Xiamen and its surrounding countryside are known for its scenery and tree-lined beaches.
- One attraction for tourists is to view Kinmen, a group of islands a few kilometers away and under Taiwanese control, from Xiamen Island.
- The «Flowing Sea Dragon» offers a stunning view of the sea by day, and by night the Bridge itself is a beauty to behold.  
Don't miss the Nanputuo, the famous Buddhist Temple.
- Xiamen University is the most beautiful Campus in China with old traditional buildings and a quiet lake.
- One of the major attractions of the Old City is definitely the marketplace. All kinds of food there will present you another facet of life in Xiamen.

## LIVING IN XIAMEN

### Accommodation

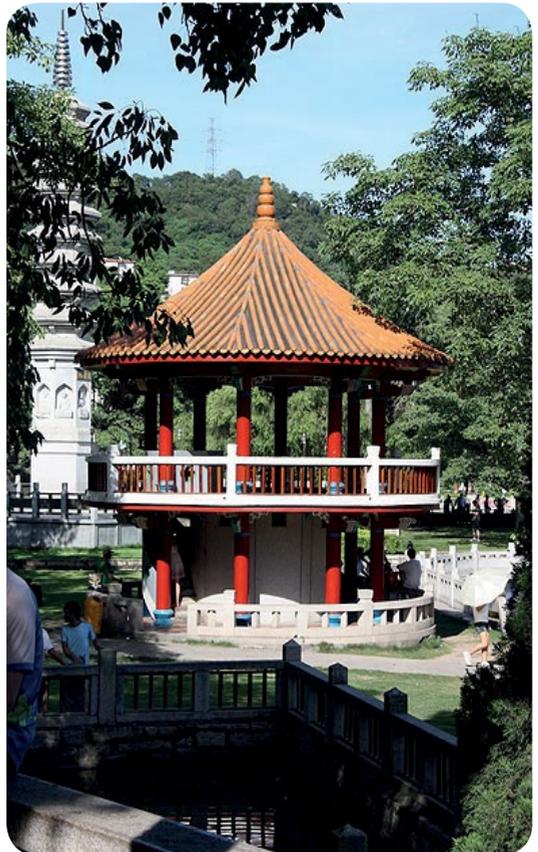
During the second year of the Master if you do your Master Thesis in Xiamen, you will be accompanied by Xiamen University to find an accommodation there.

### Catering

The seafood in Xiamen is particularly good because it is very fresh. For example, the “Oil-Scallion Cake” is made with fish, pork and water chestnuts. It tastes delicious.

To taste very good seafood, go to the Shuyou Restaurant.

It's really amazing to watch all the busy life going on the streets in the Old City. People are buying things, laughing, eating, and drinking... So, if you get hungry, you can choose between hundreds of little restaurants offering a great variety of seafood and other meals like the “Xiamen Glass Noodles” or the “Oyster omelet”.





## Culture

Let's discover the oldest Chinese Church the Xinjie Church and also the Gaojia Opera.

The Minnan Puppet Show is a highly popular folk drama Art. The unique skills of the puppeteers ensure you a splendid spectacle.

Dragon Head Road (Longtou Road) in Gulangyu Island is one of the major Commercial streets of Xiamen. Shops along this street sell art, handicrafts and paintings. Trace out the Chinese history thanks to the huge "Overseas Chinese Museum".

## Sport and leisure

To relax, try full body, foot or head massages. China has some of the best therapeutic masseurs on the planet, and at very reasonable prices.

The 10,000 Rock Botanical Garden has many rocks, and beautifully landscapes with over 5,300 kinds of tropical and subtropical plants, many found nowhere else on Earth.

With its clear waters, long and wide sandy beaches as well as its stable winds, Xiamen is one of the major hot spots for Kite Surfing in China, and often hosts various domestic and International events.

## Where to go out ?

Xiamen has a rich and vibrant nightlife, which is still affordable, compared to Shanghai or Beijing.

The Discotheques «1801» and «Dushang, draw a big crowd all night.

The main hot spot for nightlife is the Haiwan Park. Here you find different Clubs, Pubs and Discotheques.

More information on : [www.english.xm.gov.cn](http://www.english.xm.gov.cn)



## Exchange rate

Exchange rate for 1€ into the different others currencies :

Zloty	Yuan	Dollar
~ 4,17 PLN	~ 8,55 CNY	~ 1.38 USD

## Living Costs

	Marseille	Toulouse	Warsaw	Cordoba	Amiens	Philadelphia	Xiamen
<b>University dormitory</b>	~ 230 €	~ 230 €	~ 400 PLN	~ 690 €	~ 240 €	/	/
<b>Private lodging</b> (room-flat 35m <sup>2</sup> )	350 €	300 €	400 PLN	350 €	300 €	300 - 350 USD	1200 RMB
	600 €	500 €	700 PLN	500 €	450 €	575-800 USD	2000 RMB
<b>Food</b>	150 €	150 €	300 PLN	100 €	150 €	250 USD	1200 RMB
<b>Bus/Metro Ticket</b>	1.50 €	1.60 €	3 PLN	1.10 €	1.20 €	2 USD	1 - 2 RMB
<b>Cinema ticket</b>	8 €	5 €	32 PLN	6 €	8.60 €	7 - 8USD	50 RMB
<b>Meal</b> (University restaurant)	3 €	3 €	10-15 PLN	3 €	3.10 €	10 USD	12 RMB
<b>Meal</b> (fast food)	7 €	7 €	42 PLN	5 €	7 €	5 - 8 USD	15 RMB

## Language courses

In the framework of your Erasmus Mundus Master Course, you will benefit of free language lessons. In each country where you will study you can take language courses in the mother tongue of the host country.

In Amiens two hours per week of French are given in classes.

You will also improve your English through the English courses included in your Master.

## Some more helps

- [www.caf.fr](http://www.caf.fr) (Caisse d'Allocations Familiales) : housing subsidies in France.
- Regional Council mobility grant.
- possibility to receive an allowance during the Master Thesis.

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[www.uco.es/organiza/servicios/aloja](http://www.uco.es/organiza/servicios/aloja)

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Campus Universitario de Rabanales  
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80000 AMIENS



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