



UNIVERSITÀ DEGLI STUDI DI MESSINA

FACT SHEET a.y. 2018-2019

The University of Messina	Founded in 1548, it is a University in continuous growth. In its 12 Departments, UNIME offers courses in the field of life sciences, sciences and technologies, human and social sciences. Many undergraduate and postgraduate courses are available. Enrolled students are about 24,000 and for several years now the University has launched an intense program to promote international exchanges. UNIME is one of the main reference points for the city of Messina, the 13th city in Italy for dimension known as the "gate of Sicily". Stretched on the sea, the city and its area (with international heritage sites such as Taormina) offer many attractions, so that Messina is today one of the country's leading cruise ship ports
Master Degree Course:	<p><i>Master degree course in Engineering and Computer Science (ECS)</i></p> <p>The Master Degree Programme has been planned with the purpose of enabling a full accomplishment of educational and learning paths embarked on during bachelor degree programs in both Computer Engineering and Computer Science, and training IT professionals.</p> <p>With respect to the educational goals the two categories manifest remarkable analogies, highlighted by the overlap, in the respective charters, of several requirements marked as typical for graduates of Master Programs belonging to both of the two categories. Moreover, the two master degrees both entitle graduates for admission to tests for obtaining the Italian license to practice as Engineers; still further evidence that in the end educational goals of the two categories have at least some common ground and share a reference employment profile.</p> <p>A graduate in ECS is bound for being:</p> <ul style="list-style-type: none">- able to devise, plan, design and manage complex and/ or innovative systems, processes and services, with special emphasis on distributed systems, computer networks, and their management;- able to design and manage highly complex experiments;- equipped with contextual knowledge and cross-domain skills, suitably improved in comparison to those earned in lower level degree programs.



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Scientific Coordinator	Prof. Marco Scarpa mscarpa@unime.it
Secretary staff	MR./Mrs. Matilde Bongiovanni mbongiovanni@unime.it Mr. Massimo Allegra mallegra@unime.it
Department	Department of Engineering University of Messina, Contrada di Dio 98166 S. Agata - Messina - ITALY http://www.unime.it/it/dipartimenti/ingegneria
Study programme	Study plan is detailed in the Annex A
Minimal Entry Requirements	<p>Degree, three-year university "diploma" or other equivalent certificate earned in a foreign university, it is required to have an appropriate amount of European Credit Transfer System Credits (ECTS) earned in basic and distinguishing scientific disciplinary areas belonging to Computer science and/or Computer engineering categories.</p> <p>Among core competences that students should hold in order to effectively attend the Degree Program, there are basic notions about calculus together with the ability to specify and analyze an algorithm in terms of actual complexity and of related data structures, the ability to develop in an object-oriented language, knowledge about computer architectures, main network protocols, as well as operating systems principles, databases, computational models and resource management. A basic working knowledge of English is absolutely required for a profitable attendance of lectures. In particular holding a B1 level certificate is mandatory.</p> <p>In general, it is required to have earned at the bachelor degree level at least 36 ECTS among the following scientific disciplinary areas: Geometry, Mathematical analysis, Physics, Computer science, Computer Engineering.</p> <p>Moreover, prospective candidates should have earned at least 60 ECTS in the following scientific disciplinary areas: Computer science, Electronics, Electromagnetic fields, Telecommunications, Automation.</p>
Language requirements	B1 level in the framework of European Framework of Reference for Languages https://www.coe.int/en/web/common-european-framework-reference-languages/?desktop=true Language level is to be certified on the basis of one of the following certificate: TOEFL iBT internet based (Test of

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	<p>English as a Foreign Language): 57- 68; ESOL (English for Speakers of Other Languages - Pitman): B1 IESOL B1 Achivier; IELTS (International English Language Testing System - University of Cambridge): 4.0 – 5.0; ISE (Integrated Skill in English - Trinity College London): ISE I; LCCIEB (London Chamber of Commerce & Industry Examinations Board): Level 4; PET (preliminary Certificate in English – Cambridge language assessment).</p> <p>Candidates from Countries whose official language is English, do not need to hold a certificate of English language.</p>
Academic calendar	<p>The academic year is divided in two semesters. Autumn semester begins the last week of September Spring semester begins the last week of February Exams can be taken at the end of the course attended.</p>
Timetable	<p>The schedule is continually updated on the website</p> <p>http://www.unime.it/it/cds/ingegneria-e-scienze-informatiche http://www.unime.it/it/didattica/offerta_didattica/_offerta/2017/10243/2014/9999</p>
Welcome week	<p>The week before the starting of the semester</p>
Visa and Permit of Stay	<p>Students will be assisted by the International Relations Unit foreignstudents@unime.it</p>
Tuition fees	<p>750 €</p>
UNIME scholarships	<p>International students can apply for UNIME scholarship consisting in: 100€ monthly grant, free accommodation in one of the UniME student Halls of Residence no tuition fees for the academic duration of the degree course.</p> <p>Application on-line at the following web-page: http://www.unime.it/it/international/studenti-stranieri/call-scholarships-international-students Deadline for applications: March 16th at 12:00 (CET)</p>
Pre-enrollment procedure	<p>All information are available at the following web-page http://www.unime.it/it/international/studenti-stranieri/enrollment-unime</p>
Enrolment procedure	<p>Send your application to foreignstudents@unime.it attaching:</p> <ol style="list-style-type: none">1. The official transcript of records of previous studies in English or translated into Italian by a competent Italian authority (Embassy/ Consular if abroad)2. Photocopy of a valid passport

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	<p>The application will be assessed by a Departmental Commission charged to evaluate candidates' previous studies considering the entry requirements of the selected Master degree course.</p>
Course of Italian Language	<p>Courses Italian language for international students are offered in October each year by the UNIME Linguistic Centre (CLAM). Courses of Italian language are also offered during the year for different proficiency levels. Students are required to take an Entry Test (even absolute beginners) to establish their knowledge level before they start</p>
Sport Facilities	<p>UNIME boasts a full set of modern and fully equipped sport center run by CUS-UNIME. Sports facilities are offered promoting the spreading of amateur sports. Sports facilities available at the UNIME are among the most advanced in Italy. Students can practice and take courses on all main indoor and outdoor sports. http://www.cusunime.it</p>
Service Facilities	<p>UNIME students have the opportunity to take city buses and trams at very special price. Moreover, they can use transport services, which take them to the University Campus, for free. UNIME students can have access to accommodations and university canteens and many other services, such as the support for the integration into the labour market. UNIME has a well-stocked library including the best scientific and academic publications. On-line integrated library database and updated information on academic and research activities and services are freely available. Moreover, each Department has its main Library as well as individual Departmental specialized libraries and provides students with reading rooms and computer access. In the University premises there is also a Wi-Fi service.</p>

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ANNEX A

Study Plan 2017/2018

LM-18/LM-32 “Computer Science and Engineering” Degree

CLASS LM-18 – Computer Science Track

Year 1

Fall Semester

ID	Name	Area (Settore S.D.)	Credits	Type*	Prof
1	Embedded systems	ING-INF/ 05	6	B	Bruneo Dario
2	Game theory	SECS-S/ 06	6	C	Monica Milasi
3a	Computer system dimensioning (yearly) A	ING-INF/ 05	6	B	Scarpa Marco
4a	Advanced algorithms and computational models (yearly) A	INF/ 01	6	B	Fiumara Giacomo
7	Elective Courses**		6	D	
<i>Sem. Credits</i>			30		

Spring Semester

ID	Name	Area (Settore S.D.)	Credits	Type*	Prof
3b	Computer system dimensioning (yearly 3a + 3b) B	ING-INF/ 05	12 6	B	Scarpa Marco
4b	Advanced algorithms and computational models (yearly 4a + 4b) B	INF/ 01	12 6 6	B	Villari Massimo
5	Acoustics and sound processing	FIS/ 01	6	C	Mauro Federico
6	Computer system security	INF/ 01	6	C	Villari Massimo
<i>Sem. Credits</i>			24		

**** Elective course list:**

7.1	Computer Algebra in Applied Mathematics	MAT/ 07	6	D	Oliveri Francesco
7.2	Total Quality Management	SECS-P/ 13	6	D	Ioppolo Giuseppe

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UNIVERSITÀ DEGLI STUDI DI MESSINA

Year 2

Fall Semester

ID	Name	Area (Settore S.D.)	Credits	Type*	Prof
8	Advanced algorithms for scientific computing	MAT/ 08	6	C	Puccio Luigia
9	Parallel programming	ING-INF/ 05	6	B	Distefano Salvatore
10a	Distributed systems (yearly) A	ING-INF/ 05	6	B	Puliafito Antonio
11a	Industrial automation and robotics (yearly) A	ING-INF/ 04	6	C	Xibilia Gabriella
12	Elective Courses**		6	D	
<i>Sem. Credits</i>			30		

Spring Semester

ID	Name	Area (Settore S.D.)	Credits	Type*	Prof
10b	Distributed systems (yearly 10a + 10b) B	ING-INF/ 05	12 6	B	Puliafito Antonio
11b	Industrial automation and robotics (yearly 11a + 11b) B	ING-INF/ 04	12 6	C	Xibilia Gabriella
	Further courses, stages and activities		4	F	
	Final Examination		20	E	
<i>Sem. Credits</i>			36		

** Elective courses

12.1	Laboratory of wireless technologies	ING-INF/ 01	6	D	Crupi Giovanni
12.2	Elements of Software Engineering	ING-INF/ 01	6	D	Distefano Salvatore

* Type

B : Characterizing courses

C : Integrative courses

D : Elective courses

E : Final Examination

F : Further courses, stages and activities

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CLASS LM-32 – Computer Engineering Track

Year 1

Fall Semester

ID	Name	Area (Settore S.D.)	Credits	Type*	Prof
1	Embedded systems	ING-INF/ 05	6	B	Bruneo Dario
2	Managing innovation and entrepreneurship	SECS-P/ 08	6	C	Baglieri Daniela
3a	Computer system dimensioning (yearly) A	ING-INF/ 05	6	B	Scarpa Marco
4a	Advanced algorithms and computational models (yearly) A	INF01	6	C	Fiumara Giacomo
7	Elective Courses**		6	D	
<i>Sem. Credits</i>			30		

Spring Semester

ID	Name	Area (Settore S.D.)	Credits	Type*	Prof
3b	Computer system dimensioning (yearly 3a + 3b) B	ING-INF/ 05	12 6	B	Scarpa Marco
4b	Advanced algorithms and computational models (yearly 4a + 4b) B	INF/ 01	12 6	C	Oliveri Francesco
5	Wireless technologies	ING-INF/ 01	6	C	Caddemi Alina
6	Computer system security	INF/ 01	6	C	Villari Massimo
<i>Sem. Credits</i>			24		

** Elective course list:

7.1	Game theory	SECS-S/ 06	6	D	Monica Milasi
7.2	Computer Algebra in Applied Mathematics	MAT/ 07	6	D	Oliveri Francesco
7.3	Advanced algorithms for scientific computing	MAT/ 08	6	D	Puccio Luigia



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Year 2

Fall Semester

ID	Name	Area (Settore S.D.)	Credits	Type*	Prof
8	Advanced techniques of data analysis	ING-INF/ 05	6	B	De Meo Pasquale
9	Laboratory of wireless technologies	ING-INF/ 01	6	C	Crupi Giovanni
10a	Distributed systems (yearly) A	ING-INF/ 05	6	B	Puliafito Antonio
11a	Industrial automation and robotics (yearly) A	ING-INF/ 04	6	B	Xibilia Gabriella
12	Elective Courses**		6	D	
<i>Sem. Credits</i>			30		

Spring Semester

ID	Name	Area (Settore S.D.)	Credits	Type*	Prof
10b	Distributed systems (yearly 10a + 10b) B	ING-INF/ 05	12 6	B	Puliafito Antonio
11b	Industrial automation and robotics (yearly 11a + 11b) B	ING-INF/ 04	12 6	B	Xibilia Gabriella
	Further courses, stages and activities		4	F	
	Final Examination		20	E	
<i>Sem. Credits</i>			36		

** Elective course list:

12.1	Parallel programming	ING-INF/ 05	6	D	Bruno Ezio
12.2	Sustainability Management	SECS-P/ 13	6	D	
12.3	Elements of Software Engineering	ING-INF/ 05	6	D	Distefano Salvatore

* Type

B : Characterizing courses

C : Integrative courses

D : Elective courses

E : Final Examination

F : Further courses, stages and activities

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