

POLYTECHNIC INSTITUTE OF COIMBRA

NOTICE

MASTER IN FOOD ENGINEERING

(EDITION 2016-2018)

Under the Decree-Laws no. 42/2005, of 22 February, no. 74/2006, of 24 March, with the alterations introduced by Decree-Laws no. 107/2008, of 25 June, and no. 115/2013, of 7 August, and further applicable legislation;

Under Order no. 17351/2008, of 3 may (*Diário da República no. 122, 2ª série, of 26 june*), by the President of the Instituto Politécnico de Coimbra, amended and republished by Order no. 10115/2010, of 4 June (*Diário da República no.114, 2ª Série, of 15 June*), Order (extract) no. 15980/2013, of 25 October (*Diário da República, no. 238, 2ª Série, of 9 December*), amended by Rectifying statement nº 49/2015 of 23 december (*Diário da República, no. 12, 2ª série, of 19 january*) and Order no. 8174/2015 of 13 July (*Diário da República, no. 144/2015, 2ª série, of 27 July, approving the duration, the scientific areas, the number of ECTS required to obtain the degree and the curricular plan of the study cycle leading to a Master's degree in **Food Engineering**, at Escola Superior Agrária de Coimbra;*

In compliance with the Regulation of the Study Cycle of the Master Degrees of Polytechnic Institute of Coimbra (Instituto Politécnico de Coimbra) – Order no. 19151/2008 of 9 July (*Diário da República, 2ª Série, no.137 of 17 July*), altered by Orders no. 7994/2011, of 16 May (*Diário da República, 2ª Série, no. 107 of 2 June*), no. 11574/2012, of 23 July (*Diário da República, 2ª Série, no. 165, of 27 August*) and no. 2032/2014 of 24 January (*Diário da República, no. 27, 2ª Série, , of 7 February*) and no. 5636/2015 of 2 April (*Diário da República no. 102, 2ª série, of 27 May*);

We open the application period for the access to the master programme in **Food Engineering**, to begin in the academic year **2016/2017** under the following compliances:

1. Polytechnic Institute of Coimbra (IPC), through Coimbra College of Agriculture (ESAC) who teaches the degree, confers the degree of MSc in Food Engineering.
2. The curricular structure and the study plan are listed in the Annex which is an integral part of the present document.
3. The master programme consists of 2 years corresponding to 120 ECTS and integrates a specialisation course in Food Engineering composed of a set of curricular units corresponding to 66.7% of the total number of ECTS and a dissertation, a project or a traineeship, subject of final report, corresponding to 33.3% of the total number of ECTS of the study cycle.
4. Under the proposal of the President of ESAC, the number of vacancies for the 2016-2018 edition of the master programme is set at 25.
5. The opening of the course is dependent on a minimum of 7 registered and enrolled students.
6. The course functions during working hours, is lectured in English and has the following calendar:
 - a) Specialisation course, starting on the 30th September, which will follow the academic calendar to be approved by the competent organ;

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- b) Submission of the provisional version of the dissertation/project/traineeship report until the 10th September 2018;
 - c) Discussion of dissertation/project/traineeship report until the 15th December 2018.
7. The assessment regime is regulated by Regulamento de Avaliação do Aproveitamento dos Estudantes da ESAC;
 8. The final classification, rounded to units, is the arithmetic mean of the classification of the courses weighted by the number of ECTS, including the dissertation, project or professional traineeship report.
 9. Applicants:
 - a) Holders of a 1st cycle degree, or a legal equivalent, in the areas of Food Technology, Food Engineering, other engineering or similar areas;
 - b) Holders of a foreign academic higher education degree in one of the above mentioned areas, or a legal equivalent, from an institution whose 1st cycle degrees comply with the principles of the Bologna Process;
 - c) Holders of a foreign academic higher education degree in one of the above mentioned areas, recognized by the Technical-Scientific Board of ESAC as fulfilling the requirements of a 1st cycle degree;
 - d) Holders of an academic, scientific or professional curriculum recognized by the Technical-Scientific Board of ESAC as attesting to the aptitude to accomplish this study cycle.
 10. The deadlines for application are the following:
 - 1st phase:** from the publication of this notice to the 29th May 2016;
 - 2nd phase:** 13rd June to the 28th August 2016, if the vacancies are not yet fulfilled;
 - 3rd phase:** 13rd to the 26th September 2016, if the vacancies are not yet fulfilled.
 11. Specific model of application form must be used and the following documents the following must be attached to the application process:
 - a) Photocopy of the Educational Certificate;
 - b) Photocopy of the study plan(s) of the degrees providing access to the master;
 - c) Short *Curriculum Vitae*; (3 A4 pages maximum);
 - d) Documents substantiating the information supplied in the *Curriculum Vitae*;
 - e) Photocopy of Citizen Card, Identity Card, or Passport;
 - f) Photocopy of Tax Identification Number or Citizen Card.
 12. Applications are to be submitted:
 - a) On- line, on the ESAC's website;
 - b) Sending the application form and the remaining documents referred to above by mail, with acknowledgement of receipt, addressed to Serviços Académicos, Escola Superior Agrária de Coimbra, Bencanta, 3045-601 Coimbra;
 - c) In person at the ESAC Academic Services.

13. The time limits related with the admission process are the following:

	1 st phase	2 nd phase	3 rd phase
Publication of list of admitted applicants	1 June	31 August	28 September
Complaints	1 to 3 June	31 August to 2 September	28 to 30 September
Decision on complaints and publication of the classification and ordering of admitted applicants	8 June	6 September	3 October
Complaints	8 to 10 June	6 to 8 September	3 to 6 October
Decision on complaints and publication of the final ordered list of admitted applicants	15 June	13 September	7 October
Registration and enrolment	15 to 22 June	13 to 20 September	7 to 13 October

14. The following emoluments are due:

- Application fee: 5% of annual tuition fee
- Registration/enrolment fee: 20% of annual tuition fee
- Annual tuition fee: 2600€

15. The selection and ordering of candidates shall be done according to the following criteria:

Component A. Academic Training (sum of A1, A2, and A3)

A1. Overall classification of the BSc Hons, or legal equivalent (maximum score 6 points)

Rating Scale 0-20	In the study cycle area	In similar area
≤ 12	3	1
13-14	4	2
15-16	5	3
≥ 17	6	4

A2. Master or PhD (in any scientific area): 6 points

A3. BSc (maximum score 2 points)

- a) In the study cycle area: 2 points;
- b) In other areas: 1 point.

Component B. Other training - courses lasting a minimum of 40 hours and formal final appraisal: (maximum score: 3 points):

- a) Courses in the study cycle area: 1 point per course
- b) Courses in other areas: 0.5 per course

Component C. Professional experience – number of whole years of proven experience in the study cycle area (maximum score 8 points):

Number of years	In the study cycle area	In similar area
1-2	2	1
3-4	4	2
4-5	6	3
≥ 7	8	4

Applicants are listed in diminishing order of the final rating (FR) obtained by applying the following formula:

$$FR = (A \times 2 + B + C) / 4$$

In case of equality of FR value, the tiebreak is determined by the best classification of A, B, and C criteria, successively.

16. The accreditation process follows the provisions of the Regulation of Accreditations of the Polytechnic Institute of Coimbra and of the Legal Regime of Academic Degrees and Diplomas of Higher Education.

17. No precedence regime is applied to Curricular Units attendance.

18. To the situations not covered by the present Public Notice are applicable the provisions of Decree-Law no. 74/2006, of 24 March and Regulation of the Study Cycle of the Master Degrees of Polytechnic Institute of Coimbra.

Coimbra, 25 may 2016

The Vice-President of IPC



Paulo Sanches

ANNEX

STUDY PLAN

Master in Food Engineering

1 st Year/2 nd Semester Curricular Units	Scientific area	Duration	Workload		ECTS	Elective/ Mandatory
			Total	Contact		
System Dynamics	529	Semester	160	TP:38; OT:21,5	6	Mandatory
Advanced Food Microbiology	421	Semester	133	TP:26; OT:16,5	5	Mandatory
New Product Development	541	Semester	160	TP:38; OT:21,5	6	Mandatory
Industrial Hygiene and Safety	862	Semester	108	TP:26; OT:8	4	Mandatory
Applied Mathematics	461	Semester	133	TP:27; OT:15,5	5	Mandatory
Sociology of Organizations	312	Semester	108	TP:26; OT:8	4	Mandatory
1 st Year/2 nd Semester Curricular Units	Scientific area	Duration	Workload		ECTS	Elective/ Mandatory
			Total	Contact		
Quality Management and Audits	529	Semester	133	TP:42; OT:17,5	5	Mandatory
Methods to Decision Support Decision	345	Semester	133	TP:28; OT:14,5	5	Mandatory
Bioprocesses in the Food Industry	541	Semester	133	TP:27; OT:15,5	5	Mandatory
Food Product Design	541	Semester	133	TP:28; OT:14,5	5	Mandatory
Food Safety	541	Semester	133	TP:26; OT:16,5	5	Mandatory
Automatic Process Control	524	Semester	133	TP:30; OT:12,5	5	Mandatory
2 nd Year/1 st Trimester Curricular Units	Scientific area	Duration	Workload		ECTS	Elective/ Mandatory
			Total	Contact		
Seminars	541	Trimestral	80	TP:22; OT:11	3	Mandatory
Budgeting and Cost Control	345	Trimestral	80	TP:22; OT:11	3	Mandatory
Industrial Project	541	Trimestral	370	TP:76; OT:34	14	Mandatory
2 nd Year/2 nd and 3 rd Trimesters Curricular Units	Scientific area	Duration	Workload		ECTS	Elective/ Mandatory
			Total	Contact		
Traineeship/Dissertation/Project	541	Two trimesters	1060	OT:100	40	Mandatory

OT: Tutorial; TP: Theoretical-practical classes