**CENTRALESUPELEC APPLICATION FORM**

**Year 2018/2019**

**Ecole Centrale Paris track**

**Course Selection For Exchange Students only**

**Send this form to:** **Xavière Marcy** – xaviere.marcy@centralesupelec.fr

Semester 7 (Fall of 2018-2019)

**Family Name** (as written on passport) :…………………………

**Given Name** …………………………

**Home Institution** …… ………………………… ……………………..

**Country** …………………………

**Language of Instruction**

Courses at CentraleSupélec are taught in one of four language options, specified as follows:

* English (E), course entirely taught in English
* English or French (EF), there are two classes in parallel, one taught in French, one in English
* English on demand (E\*), the course is taught entirely in English, unless all students registered for the course have a sufficient command of French - in which case the professor may choose to teach in French.
* French (F), course entirely taught in French

All courses available in English (E, EF or E\*) are highlighted in blue in this form.

**Selection of modules – ELECTIVE COURSES**

Normal course load at CentraleSupelec engineering program is 30 ECTS per semester. Depending on the requirements of your home institution, you may either take the full 30 ECTS load, or choose a minimum of 24 ECTS.

Electives courses are organized into series : modules from the one series are taught simultaneously. Thus, students are allowed to attend only one module / series.

To complete the normal S7 course load, select courses for elective series (2-6). In order to help you sign up for the most appropriate courses for your requirements, you are asked to choose two elective courses by block (1st selected module + one alternative choice)

>>> Please thick the box in front of selected modules FOR EACH SERIES

(1 first choice + 1 alternative choice) <<<

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| SERIES 2 – ELECTIVE 2 36 h / 3.0 ECTS |
| 1st choice | Alternative choice | Code | Module | Language |
| [ ]  | [ ]  | **PR3101** | **Chemical Engineering & Sustainable Development (P.Puel)** | **E** |
| [ ]  | [ ]  | **IS1220** | **Software Engineering (P.Ballarini)** | **E** |
| [ ]  | [ ]  | PH2100 | Ondes ( H.Dammak) | F |
| [ ]  | [ ]  | MG1200 | Civil Engineering (B.Bossan) | F |
| [ ]  | [ ]  | MA2630 | Distribution & Operator (P.Laffite) | F |
| [ ]  | [ ]  | SE1300 | Finance d’entreprise avancée (D.Attias) | F |
| [ ]  | [ ]  | IS1410 | Digital & Collaborative Engineering (P.Morenton) | F |
| [ ]  | [ ]  | SH2550 | Social Issues (C.Colmellere) | F |
| [ ]  | I don’t want to attend course from series 2 |

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| SERIES 3 – ELECTIVE 3 36 h / 3.0 ECTS |
| 1st choice | Alternative choice | Code | Module | Language |
| [ ]  | [ ]  | **MG1300** | **Vibrations & acoustics (P-E.Gautier)** | **E / F** |
| [ ]  | [ ]  | **PR5210** | **The Genome (D.Le Roux)** | **E** |
| [ ]  | [ ]  | EN1200 | Fluid Mechanics (R.Vicquelin) | F |
| [ ]  | [ ]  | MA2300 | Advanced Probability (E.Herbin) | F |
| [ ]  | [ ]  | IS1230 | Database (N.Travers) | F |
| [ ]  | [ ]  | SE2400 | Introduction to Supply Chain (E.Sahin & W.Behiri) | F |
| [ ]  | [ ]  | SE3300 | Création d’entreprise (J-F.Gallouin) | F |
| [ ]  | I don’t want to attend course from series 3 |

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| SERIES 4 – ELECTIVE 4 36 h / 3.0 ECTS |
| 1st choice | Alternative choice | Code | Module | Language |
| [ ]  | [ ]  | MA2823 | Machine Learning (C-A.Azencott) | **E** |
| [ ]  | [ ]  | PR4200 | Electrical Energy Networks (Arzande) | F |
| [ ]  | [ ]  | PR5300 | Biotech. Application & modelisation (F.Lopes) | F |
| [ ]  | [ ]  | MA2100 | Financial Risk Modeling (F.Abergel) | F |
| [ ]  | [ ]  | MA2610 | Scientific Computation (H.Ben Dhia) | F |
| [ ]  | [ ]  | PH2600 | Relativities (N.Besson) | F |
| [ ]  | [ ]  | MG1400 | Plasticity and Fracture: Mechanical Behavior of Material (V.Aubin) | F |
| [ ]  | [ ]  | SE2200 | Innovation Radicale (B.Yannous) | F |
| [ ]  | [ ]  | SE2300 | Strategy and marketing (E.Mounoud) | F |
| [ ]  | [ ]  | SH2750 | Histoire de l’Art (C.Colmellere) | F |
| [ ]  | I don’t want to attend course from series 4 |

>>> Please thick the box in front of selected modules FOR EACH SERIES

(1 first choice + 1 alternative choice) <<<

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| SERIES 5 – ELECTIVE 5 36 h / 3.0 ECTS |
| 1st choice | Alternative choice | Code | Module | Language |
| [ ]  | [ ]  | EN1110 | Advanced Heat Transfer (B.Goyeau) | **E\*** |
| [ ]  | [ ]  | MG1600 | Nano-mechanics (H-L.Hamon) | **E\*** |
| [ ]  | [ ]  | PH2300 | Solid State Physics, Structure of Matter (P.Cortona) | **EF** |
| [ ]  | [ ]  | MA2200 | Advanced Optimization (P-H.Cournède ou J.C. Pesquet) | F |
| [ ]  | [ ]  | IS2120 | Control System (C.Vlad) | F |
| [ ]  | [ ]  | IS1510 | Digital Communications and Networks (P.Lecoy) | F |
| [ ]  | [ ]  | SE1600 | Economics 2 (Senousi) | F |
| [ ]  | [ ]  | SE2920 | Management of Complex Projects (F.Marle) | F |
| [ ]  | [ ]  | SH2650 | Science, Technology & Society (C.Colmellere) | F |
| [ ]  | I don’t want to attend course from series 5 |

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| SERIES 6 – ELECTIVE 6 36 h / 3.0 ECTS |
| 1st choice | Alternative choice | Code | Module | Language |
| [ ]  | [ ]  | EN2910  | Aircraft Design (P.Breyne) | E |
| [ ]  | [ ]  | PH2200  | Synchrotron (P-E. Janolin) | E\* |
| [ ]  | [ ]  | SH2300 | Seminar Series: Individus Travail Org (C.Colmellere) | EF |
| [ ]  | [ ]  | SH2400 | Seminar Series: International and Intercultural (C.Colmellere) | EF |
| [ ]  | [ ]  | MG1700 | Design System Surveillance (A.Barbarulo) | F |
| [ ]  | [ ]  | EN2940  | Electric aircraft (C.Devaux) | F |
| [ ]  | [ ]  | SE2350 | Towards energy autonomy (F.Cluzel) | F |
| [ ]  | [ ]  | MA2815 | Maths for Biology (V.Letort) | F |
| [ ]  | [ ]  | PH2250 | Réacteur Nuclaires embarqués ( !!! French Passport required ) | F |
| [ ]  | [ ]  | SH2500 | Perspective on key Social Issues-Enjeux de société ? (C.Colmellere) | F |
| [ ]  | [ ]  | SH2600 | Science, Technology & Society (C.Colmellere) | F |
| [ ]  | [ ]  | SH2700 | Innovation, art and Creativity (C.Colmellere) | F |
| [ ]  | [ ]  | PH2260 | Laser à Cascades quantiques (Th.Antoni) | F |
| [ ]  | I don’t want to attend course from series 6 |

**Selection of modules – ADDITIONAL OFFER**

Additional modules, without schedule restrictions, are proposed to you.

You can choose one or several modules with in this list.

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| ADDITIONAL OFFER  |
| choice | Code | Module |  | Language |
|  [ ]  | SE 1400  | Economics | 24 h, **2.0 ECTS** | F |
|  [ ]  | SH 1500 | Sciences, Technique, Société | 12 h, **0.5 ECTS**  | F |
|  [ ]  | SH 2100 | Business Games | 30 h, **1.5 ECTS** | F |
|  [ ]  | WP5100 | Innovation Project | 110 h, **7.0 ECTS** |  |
| [ ]  | I do not wish to take additional course |

**Selection of modules – LANGUAGE COURSES**

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| LANGUAGE COURSE 1 (LV1) 24 h / 2.0 ECTS |
| Choice | Code | Module |
|  [ ]  | LC 1000 | English |
| [ ]  | I do not wish to take English in LV1 |

You may study French as a foreign language. If you are French speaker, you can attend one different language module during your stay :

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| LANGUAGE COURSE 2 (LV2) 24 h / 2.0 ECTS |
| Choice | Code | Module |
|  [ ]  | **LC 2000** | **French as a Foreign Language (levels B1, B2, C1)** |
|  [ ]  | LC 3000 | German  |
|  [ ]  | LC 4000 | Spanish |
|  [ ]  | LC 5000 | Italian (levels A1+ and up) |
|  [ ]  | LC 6000 | Portuguese (levels A1+ and up) |
|  [ ]  | LC 7000 | Chinese (levels A1+ and up) |
|  [ ]  | LC 8000 | Japanese (levels A1+ and up) |
|  [ ]  | LC 9000 | Russian (levels A1+ and up) |
|  [ ]  | LC A000 | Arabe (levels A1+ and up) |
|  [ ]  | LCC000 | Hébreu (levels A1+ and up) |
| [ ]  | I do not wish to take a Foreign Language course 2 (LV2) |

**Total number of ECTS you intend to take in Semester 7 = ……………………….**

**Choice of electives must be send by mail to:**

**xaviere.marcy@centralesupelec.fr**