

List of the courses on offer for exchange students
Spring semester 2020-21

			ECTS
SRIFLES2	Français langue étrangère : cours extensif du 1er février 2021 au 16 avril 2021	French Foreign language : from 01/02/2021 to 16/04/2021	1,5

Engineer student Bachelor's program - Semester 6

1A Semester 6			
All Courses are taught in French			
Code	Titre du cours	Title	ECTS
3GUC0705	Analyse financière	Financial Analysis - 3GUC0705	3
3GUC0805	Introduction à la conception de systèmes	Engineering Design - 3GUC0805	6
3GUC0905	Mathématiques et informatique décisionnelles	Mathematics and Computer Science for Decision Support - 3GUC0905	6
3GUC1005	Organisations industrielles	Industrial Management - 3GUC1005	6

Engineer student Master's Program - Semester 8

2A - Semester 8			
All Courses are taught in French except (*)			
Code	Titre du cours	Title	ECTS
4GUL0705	Gestion de la chaîne logistique	Inventory Management - 4GUL0705	6
4GML0825	Gestion de projet	Case Study in Project Management - 4GML0825	3
4GUP0705	Méthodes avancées de conception	Advanced Design Methods - 4GUP0705	6
4GMP8B17	Produit process	Produit process	3
4GMP8B27	Manufacturing	Manufacturing	3
4GMC1215	English for Industrial Engineering - Semester 8	English for Industrial Engineering - 4GMC1215	1
4GMC1245	Activités physiques et sportives - Semestre 8	Sport - 4GMC1245	1
4GNL0905	Option 1 (1 choix parmi la liste) /Choose only one course from the list		3
4GUL09A5	Coopération dans la chaîne logistique	Firms Cooperation in Supply Chain : Theories and Practices - 4GUL09A5	3
4GUL09B5	Créativité et innovation	Creativity and Innovation - 4GUL09B5	3
4GUP10A5	Contrôle-commande embarqué	Innovative Products : Technologies for Intelligent Products - 4GUP10A5	3
4GUC00A5	Ergonomie de conception : usage et situations de travail	Ergonomy - 4GUC00A5	3
4GUL09D5	Optimisation globale et applications en ordonnancement	Production Systems Scheduling and Optimization - 4GUL09D5	3
4GUC00E5	Travaux d'études et de recherche	Research Project - 4GUC00E5	3
4GUC11C7	Systems Engineering (*) (taught in English)	Systems Engineering	3
4GNL1005	Option 2 (1 choix parmi la liste) /Choose only one course from the list		3
4GUL10A5	Analyse de données pour les métiers du génie industriel	Data Analysis for Industrial Engineering - 4GUL10A5	3
4GUL10B5	Evaluation de performances des systèmes de production	Production Systems Performance Evaluation - 4GUL10B5	3
4GUC00F5	Sûreté de fonctionnement et maintenance	Dependability and Maintenance Analysis - 4GUC00F5	3
4GUC00C5	Industrialisation : de l'usine au poste	Industrialization : from Plant to Workstation - 4GUC00C5	3
4GUL10D7	Modélisation Objet et Algorithmique avancées	Object Modelling and Advanced Algorithms - 4GUL10D7	3
4GUC00E5	Travaux d'études et de recherche	Research Project - 4GUC00E5	3
4GUP09A5	Pré-études et simulations	Preliminary design, Modelling and Simulation - 4GUP09A5	3
4GNL1105	Option 3 (1 choix parmi la liste) /Choose only one course from the list		3
4GUL11A5	Biotechnologie	Biotechnology - 4GUL11A5	3
4GUL11B5	Energie	Energy - 4GUL11B5	3
4GUL11C5	Introduction aux semi-conducteurs	Introduction to Semiconductors - 4GUL11C5	3
4GUL11D5	Techniques et méthodes de production	Manufacturing Techniques & Methods - 4GUL11D5	3
4GUC00E5	Travaux d'études et de recherche	Research Project - 4GUC00E5	3
4GUP10B5	Concevoir un produit durable : valeurs et coûts	Sustainable Product Design - Values and Costs - 4GUP10B5	3

4GUC10G8	Parcours Startup	Startup - 4GUC10G8	taught in French	3
4GUP11B5	Sociologie des projets et des produits	Sociology of projects and products - 4GUP11B5	taught in French	3

Courses available from Master SIE Sustainable Industrial Engineering

WGUS1028	Project on Computer Science - WGUS1028		Taught in English	3.0
WGUS1044	Production and Operations Management - WGUS1044		Taught in English	3.0
WGUS2014	Creativity and Innovative Design - WGUS2014		Taught in English	6.0
WGUS2024	Discrete Event Simulation - WGUS2024		Taught in English	6.0
WGUS8038	UE Sustainable Economics - WGUS8038		Taught in English	3.0

FULL PROGRAM TAUGHT IN ENGLISH

International semester project : RESPONSIBLE DESIGN			
Code		English Speaking	ECTS
SI	Responsible Design @Grenoble is a full-semester project in which international student teams have to design innovative concepts of responsible products to respond to industrial challenges		30
	Number max of students : 18 NB : This program is a complete semester that is not compatible with other classes. Specific lectures are organised and skills and knowledge acquisition are evaluated through project deliverables and oral presentation.		
<i>The program is open to students that have a solid academic background in engineering: 1st Year of Master's degree of European Bologna process.</i>			

