

Filières d'études ES génie mécanique production plan d'études

- En cours d'emploi (page 1)
- À plein temps (page 3)

2024 Génie mécanique - Technique de production

Plan d'études en cours d'emploi



| Nr | Module/cours | KS | ASS | ISS | Total | ETCS |
|----------------------------------|---|------------|------------|------------|-------------|-----------|
| Études de base | | 360 | 120 | 240 | 720 | 24 |
| Mathématique | | 90 | 30 | 60 | 180 | 6 |
| GS120 | Mathématiques 1 | 30 | 10 | 20 | | |
| GS121 | Mathématiques 2 | 30 | 10 | 20 | | |
| GS122 | Mathématiques 3 | 30 | 10 | 20 | | |
| Management 1 | | 90 | 30 | 60 | 180 | 6 |
| GS123 | Gestion de projets | 30 | 10 | 20 | | |
| GS124 | Systems Engineering | 30 | 10 | 20 | | |
| GS125 | Gestion financière | 30 | 10 | 20 | | |
| Management 2 | | 90 | 30 | 60 | 180 | 6 |
| GS126 | Gestion d'entreprise | 30 | 10 | 20 | | |
| GS127 | Durabilité | 30 | 10 | 20 | | |
| GS128 | Projet pratique Management | 30 | 10 | 20 | | |
| Leadership | | 90 | 30 | 60 | 180 | 6 |
| GS129 | Techniques d'apprentissage et de présentation | 30 | 10 | 20 | | |
| GS130 | Communication | 30 | 10 | 20 | | |
| GS131 | Leadership Training | 30 | 10 | 20 | | |
| Études spécialisées | | 720 | 240 | 480 | 1440 | 48 |
| Organisational Management | | 90 | 30 | 60 | 180 | 6 |
| MB230 | Organisation Development & Simulation | 45 | 15 | 30 | | |
| MB231 | Innovation Project | 45 | 15 | 30 | | |
| Quality Management | | 90 | 30 | 60 | 180 | 6 |
| MB232 | Big Data Analytics | 30 | 10 | 20 | | |
| MB233 | Quality Processes & Standards | 30 | 10 | 20 | | |
| MB234 | Quality Measuring & Control | 30 | 10 | 20 | | |
| Product Design | | 90 | 30 | 60 | 180 | 6 |
| MB235 | CAD Basic | 45 | 15 | 30 | | |
| MB236 | CAD Advanced | 45 | 15 | 30 | | |
| Engineering | | 90 | 30 | 60 | 180 | 6 |
| MB237 | Material Sciences Basic | 30 | 10 | 20 | | |
| MB238 | Material Sciences Advanced | 30 | 10 | 20 | | |
| MB239 | Design Consulting | 30 | 10 | 20 | | |
| Product Development | | 90 | 30 | 60 | 180 | 6 |
| MB240 | Physics Basic | 45 | 15 | 30 | | |
| MB241 | Product Development Basic | 45 | 15 | 30 | | |

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|-------|------------------------------------|------------|------------|------------|------------|-----------|
| | System Development | 90 | 30 | 60 | 180 | 6 |
| MB242 | Industry 4.0 | 30 | 10 | 20 | | |
| MB243 | Automation Basic | 30 | 10 | 20 | | |
| MB244 | Automation Advanced | 30 | 10 | 20 | | |
| | Process Management | 90 | 30 | 60 | 180 | 6 |
| MB245 | Production Engineering Basic | 45 | 15 | 30 | | |
| MB246 | Industrialisation Basic | 45 | 15 | 30 | | |
| | Process Development | 90 | 30 | 60 | 180 | 6 |
| MB247 | Supply Chain Management | 30 | 10 | 20 | | |
| MB248 | Lean Basic | 30 | 10 | 20 | | |
| MB249 | Maintenance 4.0 | 30 | 10 | 20 | | |
| | Études approfondies | 180 | 60 | 120 | 360 | 12 |
| | Production Management | 90 | 30 | 60 | 180 | 6 |
| MB350 | Production Engineering Advanced | 30 | 10 | 20 | | |
| MB351 | Industrialisation Advanced | 30 | 10 | 20 | | |
| MB352 | Manufacturing Technologies | 30 | 10 | 20 | | |
| | Plant Management | 90 | 30 | 60 | 180 | 6 |
| MB353 | Plant Design | 30 | 10 | 20 | | |
| MB354 | Lean Advanced | 30 | 10 | 20 | | |
| MB355 | Leadership for Production Managers | 30 | 10 | 20 | | |
| | Transfer | 90 | 30 | 60 | 180 | 6 |
| | Transfert | 90 | 30 | 60 | 180 | 6 |
| GS400 | Ingénierie orientée projet | 45 | 15 | 30 | | |
| GS401 | Projet de mise en œuvre | 45 | 15 | 30 | | |
| | Travail de diplôme | 0 | 180 | 0 | 180 | 6 |
| | Travail de diplôme | 0 | 180 | 0 | 180 | 6 |
| DA500 | Traitement des problèmes | 0 | 60 | 0 | | |
| DA501 | Résolution de problèmes | 0 | 60 | 0 | | |
| DA502 | Rapport et présentation | 0 | 60 | 0 | | |

- KS Études de contact
ASS Étude autonome guidée
ISS Étude individuelle
ECTS European Credit Transfer and Accumulation System (1 ECTS correspond à 30 heures d'apprentissage).

L'attestation de niveau d'anglais B1 doit être fournie avant la fin du 4ème semestre.
A partir du 5ème semestre, des cours peuvent être donnés en anglais.

V.23.11. Sous réserve de modifications

2024 Génie mécanique - Technique de production

Plan d'études à plein temps



| Nr | Module/cours | KS | ASS | ISS | Total | ETCS |
|----------------------------------|---|------------|------------|------------|-------------|-----------|
| Études de base | | 360 | 120 | 240 | 720 | 24 |
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| GS120 | Mathématiques 1 | 30 | 10 | 20 | | |
| GS121 | Mathématiques 2 | 30 | 10 | 20 | | |
| GS122 | Mathématiques 3 | 30 | 10 | 20 | | |
| Management 1 | | 90 | 30 | 60 | 180 | 6 |
| GS123 | Gestion de projets | 30 | 10 | 20 | | |
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| GS125 | Gestion financière | 30 | 10 | 20 | | |
| Management 2 | | 90 | 30 | 60 | 180 | 6 |
| GS126 | Gestion d'entreprise | 30 | 10 | 20 | | |
| GS127 | Durabilité | 30 | 10 | 20 | | |
| GS128 | Projet pratique Management | 30 | 10 | 20 | | |
| Leadership | | 90 | 30 | 60 | 180 | 6 |
| GS129 | Techniques d'apprentissage et de présentation | 30 | 10 | 20 | | |
| GS130 | Communication | 30 | 10 | 20 | | |
| GS131 | Leadership Training | 30 | 10 | 20 | | |
| Études spécialisées | | 720 | 240 | 480 | 1440 | 48 |
| Organisational Management | | 90 | 30 | 60 | 180 | 6 |
| MB230 | Organisation Development & Simulation | 45 | 15 | 30 | | |
| MB231 | Innovation Project | 45 | 15 | 30 | | |
| Quality Management | | 90 | 30 | 60 | 180 | 6 |
| MB232 | Big Data Analysis | 30 | 10 | 20 | | |
| MB233 | Quality Processes & Standards | 30 | 10 | 20 | | |
| MB234 | Quality Measuring & Control | 30 | 10 | 20 | | |
| Product Design | | 90 | 30 | 60 | 180 | 6 |
| MB235 | CAD Basic | 45 | 15 | 30 | | |
| MB236 | CAD Advanced | 45 | 15 | 30 | | |
| Engineering | | 90 | 30 | 60 | 180 | 6 |
| MB237 | Material Sciences Basic | 30 | 10 | 20 | | |
| MB238 | Material Sciences Advanced | 30 | 10 | 20 | | |
| MB239 | Design Consulting | 30 | 10 | 20 | | |
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| MB241 | Product Development Basic | 45 | 15 | 30 | | |

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|----------|------------------------------------|------------|------------|------------|------------|-----------|
| | System Development | 90 | 30 | 60 | 180 | 6 |
| MB242 | Industry 4.0 | 30 | 10 | 20 | | |
| MB243 | Automation Basic | 30 | 10 | 20 | | |
| MB244 | Automation Advanced | 30 | 10 | 20 | | |
| 0 | Process Management | 90 | 30 | 60 | 180 | 6 |
| MB245 | Production Engineering Basic | 45 | 15 | 30 | | |
| MB246 | Industrialisation Basic | 45 | 15 | 30 | | |
| 0 | Process Development | 90 | 30 | 60 | 180 | 6 |
| MB247 | Supply Chain Management Basic | 30 | 10 | 20 | | |
| MB248 | Lean Basic | 30 | 10 | 20 | | |
| MB249 | Maintenance 4.0 | 30 | 10 | 20 | | |
| | Études approfondies | 180 | 60 | 120 | 360 | 12 |
| | Production Management | 90 | 30 | 60 | 180 | 6 |
| MB350 | Production Engineering Advanced | 30 | 10 | 20 | | |
| MB351 | Industrialisation Advanced | 30 | 10 | 20 | | |
| MB352 | Manufacturing Technologies | 30 | 10 | 20 | | |
| | Plant Management | 90 | 30 | 60 | 180 | 6 |
| MB353 | Plant Design | 30 | 10 | 20 | | |
| MB354 | Lean Advanced | 30 | 10 | 20 | | |
| MB355 | Leadership for Production Managers | 30 | 10 | 20 | | |
| | Transfert | 90 | 30 | 60 | 180 | 6 |
| | Transfert | 90 | 30 | 60 | 180 | 6 |
| GS400 | Ingénierie orientée projet | 45 | 15 | 30 | | |
| GS401 | Projet de mise en œuvre | 45 | 15 | 30 | | |
| | Travail de diplôme | 0 | 180 | 0 | 180 | 6 |
| | Travail de diplôme | 0 | 180 | 0 | 180 | 6 |
| DA500 | Traitement des problèmes | 0 | 60 | 0 | | |
| DA501 | Résolution de problèmes | 0 | 60 | 0 | | |
| DA502 | Rapport et présentation | 0 | 60 | 0 | | |
| | Stages | 0 | 0 | 0 | 0 | 0 |
| | Stages | 0 | 0 | 0 | 0 | 0 |
| PK600 | Stages | 0 | 0 | 720 | | |

KS Études de contact

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ISS Étude individuelle

ECTS European Credit Transfer and Accumulation System (1 ECTS correspond à 30 heures d'apprentissage).

L'attestation d'anglais niveau B1 doit être fournie avant octobre du 3e semestre.

A partir de cette date, les cours peuvent être donnés en anglais

V.23.11. Sous réserve de modifications