



UNIVERSIDAD NACIONAL DE SAN ANTONIO ABAD DEL CUSCO

CATALOGO DE ASIGNATURAS

ESCUELA PROF.: (MC) ING. MECANICA CURRICULA: PLAN CURRICULAR 2004

| SEMESTRE ACADEMICO: CURSOS ELECTIVOS | | | | | |
|---|--|-------|------|-------------|--------------|
| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
| MC114 | AIRE ACONDICIONADO Y CALEFACCION | 3 | EE | MC107 | |
| MC118 | APARATOS TERMICOS | 3 | EE | MC109 | |
| MC312 | AUTOMATIZACION Y CONTROL | 3 | EE | MC211 | |
| MC216 | CIMENTACION DE MAQUINAS | 3 | EE | MC206 | |
| MC121 | COMBUSTIBLES Y LUBRICANTES | 3 | EE | MC107*MC410 | |
| MC217 | DINAMICA DE MAQUINAS | 3 | EE | MC206*MC207 | |
| MC214 | DISEÑO DE ESTRUCTURAS MECANICAS | 3 | EE | MC211 | |
| MC213 | DISEÑO MECANICO III | 3 | EE | MC211 | |
| MC119 | ENERGETICA | 3 | EE | MC107*MC410 | |
| MC117 | ENERGIAS RENOVABLES | 3 | EE | MC107 | |
| MC223 | EQUIPO DE MOLIENDA Y TRITURACION | 3 | EE | MC211 | |
| MC220 | INGENIERIA DE LA VALORACION | 3 | EE | MC405 | |
| MC409 | INGENIERIA DE MANTENIMIENTOS II | 3 | EE | MC404 | |
| MC406 | INGENIERIA DE OPERACIONES | 3 | EE | MC405 | |
| MC111 | INGENIERIA DEL GAS | 3 | EE | MC109 | |
| MC113 | NEUMATICA Y OLEOHIDRAULICA | 3 | EE | MC207 | |
| MC408 | PLANEAMIENTO Y CONTROL DE LA PRODUCCION | 3 | EE | MC404 | |
| MC116 | PLANTAS DE GENERACION TERMICA E HIDRAULICA | 3 | EE | MC107 | |
| MC410 | PRACTICA PRE PROFESIONAL I | 2 | PPP | 150 | |
| MC411 | PRACTICA PRE PROFESIONAL II | 2 | PPP | | |
| MC120 | REFRIGERACION | 3 | EE | MC107*MC410 | |
| MC218 | SEGURIDAD INDUSTRIAL Y MEDIO AMBIENTE | 3 | EE | MC404 | |
| MC215 | SISTEMAS DE TRANSPORTE DE MATERIALES | 3 | EE | MC211*MC410 | |
| MC311 | TECNOLOGIA DE LA SOLDADURA | 3 | EE | MC308*MC410 | |
| MC112 | TECNOLOGIA DEL GAS Y RECONVERSION ENERGETICA | 3 | EE | MC109 | |
| MC219 | TEORIA DE LOS ELEMENTOS FINITOS | 3 | EE | MC211 | |
| MC222 | TRATAMIENTOS TERMICOS | 3 | EE | MC308 | |
| MC115 | VENTILACION INDUSTRIAL | 3 | EE | MC107*MC410 | |
| TOTAL DE CREDITOS : | | 82 | | | |
| SEMESTRE ACADEMICO: 1 | | | | | |
| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
| ME201 | ANALISIS MATEMATICO I | 4 | FCB | | |
| FI201 | FISICA I | 4 | FCB | | |
| ME107 | GEOMETRIA ANALITICA | 3 | FCB | | |
| AR102 | GEOMETRIA DESCRIPTIVA | 3 | FCB | | |
| LC101 | LENGUA Y COMUNICACION | 2 | FGH | | |
| QU102 | QUIMICA GENERAL | 3 | FCB | | |
| FP503 | VALORES HUMANOS Y AUTOESTIMA | 2 | FGH | | |
| TOTAL DE CREDITOS : | | 21 | | | |
| SEMESTRE ACADEMICO: 2 | | | | | |
| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
| ME305 | ALGEBRA LINEAL | 3 | FCB | ME201 | |
| ME202 | ANALISIS MATEMATICO II | 4 | FCB | ME201 | |



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|----------------------------|--|-----------|-----|----------|--|
| ML331 | CIENCIA DE LOS MATERIALES I | 3 | FTB | 12*QU102 | |
| MC201 | DIBUJO MECANICO I | 3 | TAL | AR102 | |
| FI202 | FISICA II | 4 | FCB | FI201 | |
| ML333 | LABORATORIO DE CIENCIA DE LOS MATERIALES I | 1 | TAL | 12*QU102 | |
| ED484 | METODOLOGIA DE LA INVESTIGACION CIENTIFICA | 2 | FGH | LC101 | |
| IF302 | SOFTWARE PARA INGENIERIA | 2 | FTB | | |
| TOTAL DE CREDITOS : | | 22 | | | |

| SEMESTRE ACADEMICO: 3 | | | | | |
|-----------------------------------|--|-----------|------|-------------|--------------|
| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
| ME203 | ANALISIS MATEMATICO III | 4 | FCB | ME202 | |
| MC309 | CIENCIA DE LOS MATERIALES II | 3 | FTB | ML331 | |
| MC202 | DIBUJO MECANICO II | 3 | TAL | MC201 | |
| ME610 | ESTADISTICA Y PROBABILIDADES | 3 | FCB | ME201 | |
| FI203 | FISICA III | 4 | FCB | FI202 | |
| MC302 | LABORATORIO DE PROCESOS DE MANUFACTURA I | 1 | TAL | ML331*ML333 | |
| MC301 | PROCESOS DE MANUFACTURA I | 4 | FTB | ML331*ML333 | |
| TOTAL DE CREDITOS : | | 22 | | | |

| SEMESTRE ACADEMICO: 4 | | | | | |
|-----------------------------------|---|-----------|------|-------------|--------------|
| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
| MC102 | DINAMICA DE FLUIDOS I | 3 | FTB | ME202*FI202 | |
| ME255 | ECUACIONES DIFERENCIALES | 3 | FCB | ME203 | |
| ED101 | EDUCACION FISICA | 1 | ACT | 60 | |
| MC203 | ESTATICA | 4 | FTB | FI202 | |
| IEX11 | INGENIERIA ELECTRICA | 3 | FTB | FI203 | |
| IEX10 | LABORATORIO DE ELECTRICIDAD | 1 | TAL | FI203 | |
| MC304 | LABORATORIO DE PROCESOS DE MANUFACTURA II | 1 | TAL | MC301*MC302 | |
| IFX10 | METODOS NUMERICOS | 3 | FTB | IF302*ME203 | |
| MC303 | PROCESOS DE MANUFACTURA II | 3 | FTB | MC301*MC302 | |
| TOTAL DE CREDITOS : | | 22 | | | |

| SEMESTRE ACADEMICO: 5 | | | | | |
|-----------------------------------|---|-----------|------|-------------|--------------|
| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
| MC204 | DINAMICA | 4 | FTB | MC203*IFX10 | |
| MC208 | ELEMENTOS DE MAQUINAS | 3 | FTB | MC303*MC304 | |
| ELX21 | LABORATORIO DE ELECTRONICA | 1 | TAL | IEX10*IEX11 | |
| MC205 | MECANICA DE MATERIALES I | 4 | FTB | MC203 | |
| ELX20 | PRINCIPIOS DE INSTRUMENTACION ELECTRONICA | 3 | FTB | IEX10*IEX11 | |
| AS101 | SOCIOLOGIA | 1 | FGH | FP503*ED484 | |
| MC101 | TERMODINAMICA I | 4 | FTB | FI202*ME255 | |
| TOTAL DE CREDITOS : | | 20 | | | |

| SEMESTRE ACADEMICO: 6 | | | | | |
|-----------------------------------|--|-------|------|-------------|--------------|
| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
| MC401 | ANALISIS ECONOMICO DE INGENIERIA | 2 | FTB | 100 | |
| MC103 | DINAMICA DE FLUIDOS II | 4 | FTB | MC101*MC102 | |
| MC305 | LABORATORIO DE INGENIERIA MECANICA I | 1 | TAL | MC102*MC101 | |
| MC210 | LABORATORIO DE RESISTENCIA DE MATERIALES | 1 | TAL | MC205 | |



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|-------|---------------------------|---|-----|-------------|--|
| IE351 | MAQUINAS ELECTRICAS | 3 | FTB | IE311 | |
| MC206 | MECANICA DE MATERIALES II | 4 | FTB | MC202*MC205 | |
| MC207 | MECANISMOS | 4 | FTB | MC204*MC208 | |
| MC104 | TERMODINAMICA II | 3 | FTB | MC101 | |

TOTAL DE CREDITOS : 22

SEMESTRE ACADEMICO: 7

| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
|------------|---------------------------------------|-------|------|-------------|--------------|
| MC308 | DISEÑO DE DISPOSITIVOS Y MATRICERIA | 3 | FTB | MC303*MC304 | |
| MC209 | DISEÑO MECANICO I | 4 | FTB | MC206*MC207 | |
| MC402 | GESTION EMPRESARIAL Y PROYECTOS | 3 | FTB | MC401 | |
| MC306 | LABORATORIO DE INGENIERIA MECANICA II | 1 | TAL | MC305*MC103 | |
| MC105 | MOTORES DE COMBUSTION INTERNA | 4 | FTB | MC104 | |
| MC107 | TRANSFERENCIA DE CALOR Y MASA | 4 | FTB | MC103*MC104 | |
| MC106 | TURBOMAQUINAS I | 4 | FTB | MC103 | |

TOTAL DE CREDITOS : 23

SEMESTRE ACADEMICO: 8

| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
|------------|--|-------|------|-------------|--------------|
| MC211 | DISEÑO MECANICO II | 4 | FTB | MC209 | |
| MC307 | LABORATORIO DE INGENIERIA MECANICA III | 1 | TAL | MC103*MC306 | |
| MC403 | METROLOGIA Y CONTROL DE CALIDAD | 3 | FTB | 140 | |
| MC110 | TALLER AUTOMOTRIZ | 1 | TAL | MC105 | |
| MC108 | TURBINAS DE GAS Y VAPOR | 3 | FTB | MC107 | |
| MC109 | TURBOMAQUINAS II | 3 | FTB | MC106 | |

TOTAL DE CREDITOS : 15

SEMESTRE ACADEMICO: 9

| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
|------------|-------------------------------|-------|------|-------------|--------------|
| MC404 | INGENIERIA DE MANTENIMIENTO I | 3 | FTB | MC211 | |
| DE556 | LEGISLACION LABORAL | 2 | FGH | MC402*MC307 | |

TOTAL DE CREDITOS : 5

SEMESTRE ACADEMICO: 10

| ASIGNATURA | NOMBRE | CRED. | CAT. | REQUISITO | ESPECIALIDAD |
|------------|----------------------------|-------|------|-------------|--------------|
| MC212 | ANALISIS VIBRACIONAL | 3 | FTB | MC211 | |
| MC405 | INSTALACIONES INDUSTRIALES | 3 | FPE | MC108*MC211 | |

TOTAL DE CREDITOS : 6

CREDITOS OFRECIDOS:

ACT=1.FE=78.FCB=42.FGH=9.FPE=3.FTB=107.PPP=4.TAL=16.TOTAL=260

CREDITOS EXIGIDOS:

ACT=1.FE=30.FCB=42.FGH=9.FPE=3.FTB=107.PPP=4.TAL=16.TOTAL=212