

|  | Kód        | Tantárgyak                                | Össz. óra | Kredit pont | Félévi óraszám, számonkérés módja, kreditpont |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Előtanulmányok |    |    |        |    |    |    |         |
|--|------------|---|-----------|-------------|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------------|----|----|--------|----|----|----|---------|
|  |            |   |           |             | 1.  |    |    |    |    | 2. |    |    |    |    | 3. |    |    |    |    | 4. |    |    |    |    | 5. |    |    |    |    | 6. |    |    |                |    | 7. |        |    |    |    |         |
|  |            |   |           |             | ea  | gy | la | kö | kr | ea | gy | la | kö | kr | ea | gy | la | kö | kr | ea | gy | la | kö | kr | ea | gy | la | kö | kr | ea | gy | la |                | kö | kr | ea     | gy | la | kö | kr      |
| <b>Természettudományi alapszm.</b>     |            |   | <b>34</b> | <b>46</b>   | 11  | 3  | 1  | 0  | 18 | 9  | 3  | 0  | 0  | 14 | 2  | 1  | 1  | 0  | 9  | 1  | 1  | 1  | 0  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0              | 0  | 0  | 0      | 0  | 0  | 0  |         |
| 1                                      | BGRMA1GNLD | Matematika I.                             | 6         | 6           | 4   | 2  | 0  | v  | 6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 2                                      | BGRMA2GNLD | Matematika II.                            | 6         | 6           |   |    |    |    |    | 4  | 2  | 0  | é  | 6  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 1       |
| 3                                      | BGBFG12NLD | Mérnöki fizika                            | 2         | 4           |   |    |    |    |    | 2  | 0  | 0  | v  | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 1       |
| 4                                      | BGBMF14NLD | Mérnöki fizikai mérések                   | 1         | 2           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0  | 0  | 1  | é  | 2  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 1       |
| 5                                      | BGBKE11NLD | Kémia                                     | 3         | 4           | 2   | 0  | 1  | é  | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 6                                      | BGBME11NLD | Mechanika I.                              | 3         | 4           | 2   | 1  | 0  | v  | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 7                                      | BGBME22NLD | Mechanika II.                             | 4         | 4           |   |    |    |    |    | 3  | 1  | 0  | v  | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 6       |
| 8                                      | BGBME33NLD | Mechanika III.                            | 2         | 6           |   |    |    |    |    |    |    |    |    |    | 1  | 1  | 0  | v  | 6  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 2a      |
| 9                                      | BGRHO13NLD | Hő- és áramlástechnika I                  | 2         | 3           |   |    |    |    |    |    |    |    |    |    | 1  | 0  | 1  | é  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 2a      |
| 10                                     | BGRHO24NLD | Hő- és áramlástechnika II                 | 2         | 3           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1  | 0  | v  | 3  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 9       |
| 11                                     | BGRGT11NLD | Általános géptan                          | 3         | 4           | 3   | 0  | 0  | é  | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| <b>Gazdasági és humán ismeretek</b>    |            |   | <b>19</b> | <b>17</b>   | 2   | 0  | 0  | 0  | 2  | 1  | 1  | 0  | 0  | 2  | 0  | 0  | 0  | 0  | 0  | 2  | 0  | 3  | 0  | 5  | 2  | 2  | 0  | 0  | 5  | 2  | 0  | 4  | 0              | 3  | 0  | 0      | 0  | 0  | 0  |         |
| 12                                     | GGTKG1G1LD | Makroökönómia                             | 2         | 2           | 2   | 0  | 0  | v  | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 13                                     | GGTKG2G2LD | Mikroökönómia                             | 2         | 2           |   |    |    |    |    | 1  | 1  | 0  | é  | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 12      |
| 14                                     | GSVVG1G2LD | Vállalkozás-gazdaságtan I.                | 2         | 2           |   |    |    |    |    |    |    |    |    |    | 2  | 0  | 0  | v  | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 15                                     | GSVVG2G3LD | Vállalkozás-gazdaságtan II.               | 2         | 2           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1  | 0  | é  | 2  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 14      |
| 16                                     | GVMME1G6LD | Menedzsment                               | 6         | 3           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 0  | 4  | v  | 3  |    |    |    |                |    |    |        |    |    |    |         |
| 17                                     | TMPAS11NLD | Alkalmazott szociológia                   | 2         | 3           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1  | 0  | é  | 3  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 18                                     | TMPKO11NLD | Kommunikáció                              | 3         | 3           |   |    |    |    |    |    |    |    |    |    | 0  | 0  | 3  | é  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| <b>Szakmai törzsanyag - műszaki</b>    |            |   | <b>48</b> | <b>59</b>   | 4   | 0  | 2  | 0  | 8  | 7  | 0  | 4  | 0  | 15 | 6  | 4  | 3  | 0  | 16 | 4  | 2  | 3  | 0  | 9  | 3  | 1  | 1  | 0  | 6  | 0  | 0  | 0  | 0              | 0  | 3  | 1      | 0  | 0  | 5  |         |
| 19                                     | BGBGE12NLD | Géprajz, gépél., gépszerk. I.             | 3         | 4           |   |    |    |    |    | 2  | 0  | 1  | é  | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 20                                     | BGBGE23NLD | Géprajz, gépél., gépszerk. II.            | 3         | 4           |   |    |    |    |    |    |    |    |    |    | 2  | 1  | 0  | é  | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 19,7    |
| 21                                     | BGBGE34NLD | Géprajz, gépél., gépszerk. III.           | 4         | 5           |   |    |    |    |    |    |    |    |    |    | 2  | 2  | 0  | v  | 5  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 20      |
| 22                                     | BGRCT14NLD | CAD technika                              | 2         | 2           |   |    |    |    |    |    |    |    |    |    | 0  | 0  | 2  | é  | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 23                                     | BAGAT11NLD | Anyagtudomány I.                          | 4         | 5           | 2   | 0  | 2  | é  | 5  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 24                                     | BAGAT22NLD | Anyagtudomány II.                         | 4         | 5           |   |    |    |    |    | 2  | 0  | 2  | v  | 5  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 23      |
| 25                                     | BGRME13NLD | Mechatronika alapjai I.                   | 4         | 5           |   |    |    |    |    |    |    |    |    |    | 2  | 2  | 0  | v  | 5  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 2a      |
| 26                                     | BAGMH14NLD | Méréstechnika I.                          | 3         | 2           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 0  | 1  | é  | 2  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 2a      |
| 27                                     | BGRIR15NLD | Irányítástechnika                         | 3         | 4           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 0  | 1  | v  | 4  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 25      |
| 28                                     | BAGMB15NLD | Minőségbiztosítás                         | 2         | 2           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1  | 0  | é  | 2  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 26      |
| 29                                     | BGRIG17NLD | Logisztikai alapismeretek                 | 2         | 2           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1  | 0  | é              | 2  |    | 120 kr |    |    |    |         |
| 30                                     | BGBBE17NLD | Biztonságtan, ergonómia                   | 2         | 3           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    | 2  | 0      | 0  | é  | 3  | 4 f év. |
| 31                                     | BGRGA1GNLD | Informatika I.                            | 2         | 3           | 2   | 0  | 0  | v  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 32                                     | BGRGA2GNLD | Informatika II.                           | 2         | 3           |   |    |    |    |    | 2  | 0  | 0  | v  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 31      |
| 33                                     | BGRALGNLD  | Informatika labor                         | 2         | 2           |   |    |    |    |    |    |    |    |    |    | 0  | 0  | 2  | é  | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 31      |
| 34                                     | BAGAN12NLD | Anyagtechnológia alapjai I.               | 2         | 3           |   |    |    |    |    | 1  | 0  | 1  | é  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 23      |
| 35                                     | BAGFA13NLD | Forgácsolástechnológia alapjai            | 4         | 5           |   |    |    |    |    |    |    |    |    |    | 2  | 1  | 1  | v  | 5  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 34      |
| <b>Szakmai törzsanyag - pedagógiai</b> |            |   | <b>24</b> | <b>29</b>   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 4  | 0  | 1  | 0  | 6  | 4  | 1  | 2  | 0  | 9  | 3  | 1  | 0  | 0  | 4  | 0  | 0  | 4  | 0              | 4  | 0  | 0      | 4  | 0  | 6  |         |
| 36                                     | TMPPS11NLB | Pszichológia és személyiségfejlesztés I.  | 3         | 3           |   |    |    |    |    |    |    |    |    |    | 2  | 0  | 1  | é  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 37                                     | TMPPS22NLB | Pszichológia és személyiségfejlesztés II. | 3         | 4           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 0  | 2  | v  | 4  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 36      |
| 38                                     | TMPNT11NLB | Neveléstan I.                             | 2         | 3           |   |    |    |    |    |    |    |    |    |    | 2  | 0  | 0  | v  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |
| 39                                     | TMPNT22NLB | Neveléstan II.                            | 2         | 2           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1  | 0  | é  | 2  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 38      |
| 40                                     | TMPSP11NLB | Szakképzés-pedagógia                      | 2         | 2           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 0  | 0  | é  | 2  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 39      |
| 41                                     | TMPDO12NLB | Didaktika és oktatásszervezés I.          | 2         | 3           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 0  | 0  | é  | 3  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 41      |
| 42                                     | TMPDO21NLB | Didaktika és oktatásszervezés II.         | 2         | 2           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  | 1  | 0  | v  | 2  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 36      |
| 43                                     | TMPPG12NLB | Pedagógiai gyakorlat I.                   | 4         | 4           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0  | 0  | 4  | é  | 4  |    |    |    |                |    |    |        |    |    |    | 36      |
| 44                                     | TMPPG21NLB | Pedagógiai gyakorlat II.                  | 4         | 6           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0  | 0  | 4  | v              | 6  |    | 36     |    |    |    |         |
| <b>Diff. szakm. tana. - műszaki</b>    |            |   | <b>18</b> | <b>20</b>   | 0   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 2  | 0  | 2  | 0  | 4  | 6  | 0  | 3  | 0  | 10 | 4  | 0  | 1  | 0              | 6  | 0  | 0      | 0  | 0  | 0  |         |
| 45                                     | BAGAT15NLD | Alakítástechnológia és gépei I.           | 3         | 4           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 0  | 1  | v  | 4  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 8 a; 23 |
| 46                                     | BAGAT26NLD | Alakítástechnológia és gépei II.          | 3         | 4           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 0  | 1  | v  | 4  |    |    |    |                |    |    |        |    |    |    | 45a     |
| 47                                     | BAGFT14NLD | Forg. techn. és szerszámai                | 4         | 4           |   |    |    |    |    |    |    |    |    |    | 2  | 0  | 2  | v  | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 35      |
| 48                                     | BAGGM15NLD | Gépipari minőség-ellenőrzés               | 3         | 3           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 0  | 1  | é  | 3  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    | 26      |
| 49                                     | BAGGR15NLD | Gyártóberend. és rendszerek I.**          | 3         | 3           |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 0  | 1  | v  | 3  |    |    |    |    |    |    |    |    |                |    |    |        |    |    |    |         |