

Associate in Science-Transfer (AS-T/MRP) Degree Requirements for Materials Science and Manufacturing Engineering

Note: at least 15 of the credits applied to this degree must be earned at Whatcom Community College.

Core courses: math

- MATH& 151 5 credits
- MATH& 152 5 credits
- MATH& 163 5 credits
- MATH 204 5 credits
- MATH 207 (1 credit) 1-3 credits
or MATH 208 (3 credits)

Core courses: science and engineering

- ENGR 101 5 credits
May be waived for students entering the pathway with advanced standing (MATH& 152 or higher)
- CHEM& 161 5 credits
- ENGR 201 5 credits
- ENGR& 214 5 credits
- ENGR& 225 5 credits
- PHYS& 221 5 credits
- PHYS& 222 5 credits
- PHYS& 223 5 credits

Specialization courses

Students must complete a minimum of five additional courses selected from the following list, according to their intended major and transfer university requirements.

- BIOL& 221 5 credits
- CHEM& 162 5 credits
- CHEM& 163 5 credits
- CHEM& 261 5 credits
- CS& 141 5 credits
or ENGR& 240
Students can use either CS&141 or ENGR& 240 toward this degree, but not both.
- ENGL& 230 (3 credits) 3-5 credits
or ENGL& 235 (5 credits)
Students can use either ENGL& 230 or ENGL& 235 toward this degree, but not both.
- ENGR& 114 5 credits
- ENGR 151 5 credits
- ENGR& 215 5 credits
- ENGR& 224 5 credits
- MATH 246 5 credits
- MATH& 264 5 credits

More requirements on next page

General education courses

- ENGL& 101 5 credits
- Any course designated as humanities (**H**) 5 credits
- Any course designated as social sciences (**SS**) 5 credits
- Any course designated as either humanities (**H**) *or* social sciences (**SS**) 5 credits

See an advisor for help choosing appropriate courses in this area. Depending on the major and the transfer institution, certain courses are preferred. An economics course is generally recommended.

Total credits

99-108 credits