

# Schoolcraft College High School Dual Enrollment

## Occupational Program Course Suggestion by Major

Occupational Program courses are specific to each major and may not be transferable. This list shows a few courses in each area but is not a complete list. If you are interested in pursuing a degree in one of these majors, you should work with a Schoolcraft Academic Advisor from the start.

### Manufacturing and Technology

Advanced Manufacturing .....	MFG 102, MFG 103, ENGR 100, CAD 120
Biomedical Technology.....	CIS 171, CNT 115, ELECT 137, ENG 101, BIOL 105
Computer Aided Design.....	CAD 120, CAD 130, MFG 102, MATH 102, ENGR 100, QM 107
Computer Information Systems .....	CIS 115, CIS 120, CIS 129, CIS 171, CNT 115, See SC Advising about specific CIS programs
Electronic Technology.....	ELECT 131, ELECT 137, ENG 101
Engineering Technology .....	ENGR 100, CIS 120, MATH 102 or MATH 113, CAD 120
Mechatronics Technology.....	MECH 101, MECH 111, MECH 131, ROBAT 101, MATH 113, MFG 102, ELECT 131, ELECT 137, CAD 120
Metallurgy and Materials Science.....	MET 103, CHEM 104, MATH 102, CIS 120
Plastic Technology.....	PLAST 130, PLAST 131, QM 106, MFG 102, MATH 102
Welding/Robotic Welding.....	WELD 110, WELD 113, WELD 115, WELD 119, MATH 102

### Healthcare and Health Sciences

Coding Specialist.....	BIOL 101, BIOL 236, HIT 104, CIS 120
Diagnostic Medical Sonography .....	HIT 100, MATH 102 or MATH 113, BIOL 236 or BIOL 237 and BIOL 238, COMA 103, DMS 100, PHYS 123
Emergency Medical Technology* .....	BIOL 101, BIOL 236
Health Information Technology.....	HIT 104, BIOL 101, BIOL 236, CIS 120, ENG 101
Medical Assisting .....	BIOL 105, HIT 104, MA 115, MA 134, MA 140, CIS 120
Medical Imaging.....	HIT 100 OR HIT 104, MATH 102 OR MATH 113, BIOL 101, BIOL 236, COMA 103, PHYS 123
Nursing .....	BIOL 236 or BIOL 237 and BIOL 238, PSYCH 201, MATH 111 OR MATH 113 OR MATH 122, ENG 101, General Education HUM course
Nursing Assistant** .....	NATP 115 and up to 10 credits from the following: BIOL 236 or BIOL 237 and BIOL 238, PSYCH 201, MATH 111 OR MATH 113 OR MATH 122, ENG 101, General Ed HUM course
Pharmacy Technician* .....	PHT 102, PHT 104
Movement Science.....	BIOL 101, BIOL 237, PE 111, ENG 101, PE 112, PSYCH 153
Radiologic Technology.....	HIT 100, RAD 100, MATH 102 or MATH 113, BIOL 236 or BIOL 237 and BIOL 238, RAD 105, PHYS 123

### Culinary Arts

Culinary Arts* .....	CUL 102, ENG 101, PSYCH 153, General Education HUM course
Culinary Baking and Pastry Arts* .....	CUL 102

### Public Safety

Criminal Justice.....	CJ 102, CJ 113, CJ 210, COMA 103, ENG 101, COR 110, SOC 201
Fire Technology.....	ENG 100 OR ENG 101, FIRE 101, FIRE 112, FIRE 119, FIRE 125, PSYCH 153, HS 202, BIOL 101 OR Other Science
Homeland Security.....	CJ 102, CJ 113, CJ 210, HS 101, ENG 101, POLS 105

Many of the courses listed require a prerequisite. Students should work closely with their high school counselor and a Schoolcraft Academic Advisor to ensure academic readiness.

\*These programs have a minimum age requirement of 18 years and/or high school graduation requirements that must be met prior to taking additional classes in these programs. \*\*Minimum age of 16 years to enroll in course.