

# Intern and Co-Op Rotation Framework

Smithers Materials Science & Engineering offers opportunities for both currently enrolled engineering students, as well as new graduates through a focused internship program, and the Engineering Rotational Program. As an intern or co-op, you will gain hands-on knowledge and experience in a variety of areas Smithers Materials Science & Engineering focuses in, and learn firsthand from an international, service-oriented testing leader! As an intern or a rotational program engineer, you'll gain valuable experience and knowledge to ignite your career. Both opportunities start at our main site in Akron, Ohio with the Rotational Program extending to our sites in Racoon, Michigan, Ravenna, Ohio and Akron, Ohio. Additionally, each program offers its own unique experiences such as .....

## Internship Program

- Learning and building a network
- Working for (10) weeks over the summer at a specific MSE NA site
- Participating in an annual case study and presentation to the leadership team
- Building skills through professional development activities
- Opportunities for career advancement

## Co-Op Rotational Program

- Experiencing a rotation program with (3) rotations every (4) months
- Visibility to senior leadership
- Developing well-rounded future engineers
- Rigorous performance management and training
- One to One mentorship and peer networking
- Opportunities for career advancement

# Rotation Program Experiences and Accountability

## Winter Test Center

- By the end of the first rotation, you will learn, and experience creating test plans, procedures, worksheets, and reports based upon test standards; Understanding and reviewing test reports for completeness, accuracy and general reasonableness as well as assisting in the set up and overseeing the installation and operation of the tire buffing machine as well as working on tire traction testing/projects.
- During this rotation, you will be accountable for engineering support for task as assigned as well as assisting to create equipment procedures and guidelines. To also over see daily snow characterization measurements and ensure measurements are taken accurately and consistently.
- You will report to and collaborate with the senior Engineer onsite.
- At the end of the first rotation, you will present out deliverables, experiences and recommendations.

## Ravenna

- By the end of the second rotation, you will learn and experience wheel testing, including specs, setup, failure analysis, reporting and customer interaction.
- During this rotation, you will be accountable for wheel testing specifications, setup, and reporting.
- You will report to an Engineering Supervisor and collaborate with Operations Leadership.
- At the end of the second rotation, you will present out your deliverables, experiences and recommendations.

## Akron (see notes)

- By the end of the third rotation, you will learn and experience Mechanical, Electrical, Corrosion and Chemical testing, test methods and identification.
- During this rotation, you will be accountable for setting up, performing specific tests, collection of accurate test data, testing and reviewing reports.
- You will report to supervisors in Product Testing, and collaborate with engineers, chemists, and technicians in each department.
- At the end of the third rotation, you will present out your deliverables, experiences and recommendations.

# MSE NA Co-Op Rotation Framework

## Raco, MI

	January	February	March	April	May	June	July	August	September	October	November	December
Rotation 1, Year1 @Raco (Dec 21-May 22')												

## Akron, OH

	January	February	March	April	May	June	July	August	September	October	November	December
Rotation 2, Year 2 @Akron (Aug 22- Nov 22')												

## Ravenna, OH

	January	February	March	April	May	June	July	August	September	October	November	December
Rotation 3, Year2 @Ravenna (May 23' – Aug 23')												