



Curriculum Vitae

Charles R. Buse, P.E.
Mechanical Engineer

Professional Practice

Charles Buse is a mechanical engineer who focuses on the areas of motorcycle, ATV, snowmobile, bicycle, and automobile accident analysis, design evaluation, and testing. He also has expertise in vehicle test instrumentation and data analysis. He has extensive experience in on-road and off-road motorcycle operation and racing. Previously, Charles held positions in a Yamaha dealership as a service manager and motorcycle, ATV and snowmobile mechanic, as well as Ford Motor Company, where he had a yearlong fellowship in their industrial engine operations group.

Employment History

Mechanical Engineer – Crane Engineering

Madison, WI • 2014 - Present

Provides engineering consulting services regarding motorcycle, ATV, snowmobile, bicycle, and automobile accident analysis, design evaluation, and testing. Safety Engineering Associates was acquired by Crane Engineering on January 1, 2014.

Mechanical Engineer / Vice President – Safety Engineering Associates, Inc.

Madison, WI • 1983 - 2014

Provided engineering consulting services regarding motorcycle, ATV, snowmobile, bicycle, and automobile accident analysis, design evaluation, and testing.

Service Manager – Panetti Yamaha

Madison, WI • 1980 - 1983

Service Manager and motorcycle, snowmobile, and ATV mechanic.

Industrial Engine Operations – Ford Motor Company

Detroit, MI • Summer of 1979

Employed in the Industrial Engine Operations section as part of a one-year fellowship.

Automobile Mechanic – Tom’s Barn

Madison, WI • 1978

Automobile Mechanic.

Light Service Truck Mechanic – Madison Truck Plaza

Madison, WI • 1977 - 1978

Light Service Truck Mechanic.

Professional Licenses

Licensed Professional Engineer

Wisconsin

Professional Affiliations

American Motorcyclist Association – Member

SAE Motorcycle Committee – Member

Society of Automotive Engineers – Member

Tau Beta Pi

Phi Eta Sigma

Education

B.S., Mechanical Engineering, University of Wisconsin, Madison, WI, 1981

Vehicle Operation History

Motorcycle off-road racing experience since 1984

Motorcycle road racing experience since 1981

ATV operation since 1980

On and off-road motorcycle operation since 1976

Snowmobile operation since 1972

Bicycle operation since childhood

Riding participant in Motorcycle Safety Foundation film, “Riding High”, on affects of alcohol on motorcycle operation



Publications

K. Kubly, C. Buse. Motorcycle Post-Accident Inspection Techniques. Society of Automotive Engineers 850064, P-159 and SAE Transaction, 1985.

