ABOUT THE TEAM

» Charged with designing and building a 100 percent electric formula-style car.

» Competes in the Formula SAE Electric competition.

» Follows rules set by the Society of Automotive Engineers (SAE).

ABOUT THE MEMBERS

» Historically, some 15 dedicated members.

» Mainly mechanical engineering and electrical engineering students.

TIMELINE

FALL
BUDGET + DESIGN

» Develop a plan for major purchases and the necessary components.

» Write and submit a budget for approval by SPEED director.

» Develop electrical systems plans.

» Create and finalize mechanical designs, including chassis, suspension, braking, steering and traction systems.

LATE FALL
DOCUMENT

» Create an Electronic Safety Document outlining all vehicle electrical systems and giving full explanations of safety circuits and the battery pack configuration.

» Share descriptions of and justifications for each component used in the design.

SPRING
BUILD

» Design and fabricate frame, build electrical system and create/test suspension, braking and wheels.

» Mount systems to chassis and balance the vehicle.

LATE SPRING
COMPETE

» Pass through technical inspections.

» Compete against international teams in events such as skid pad, auto cross and endurance.

» Develop and deliver a design presentation to professional engineers.