



SAE Grant Pathway/Focus Area Descriptions

Agribusiness & Services Pathway - For SAE projects based on owning an agriculturally related enterprise in any agriculture, food and natural resources (AFNR) career pathway which applies planning, development, application and management of an agribusiness. Skills including but not limited to, financial record keeping, budget management, business planning, sales and marketing will be used. Research on consumer perception and preference, sales or marketing of agricultural products is included in this pathway.

Agricultural Education Focus Area - For SAE projects based on developing and presenting agricultural curriculum to students and the public.

Agricultural Communications Focus Area - For SAE projects based on communicating facts and stories about agricultural topics and stories through print, audio, visual or social media to the general public.

Animal Systems Pathway - For SAE projects applying best practices to manage and/or produce animals. Researching the life processes, health, nutrition, genetics and management of animals is also included in this area.

Biotechnology Systems Pathway - For SAE projects which study or use data and scientific techniques to solve problems concerning living organisms and/or apply principles and techniques for the development, application and management of biotechnology with direct application to agriculture, food and natural resources (AFNR).

Environmental/Natural Resource Systems Pathway - For SAE projects which monitor and/or minimize the impact of human activity on environmental systems in agriculture, food and natural resources (AFNR) settings.

Food Products and Processing Systems Pathway - For SAE projects which develop, apply and/or manage food safety and sanitation; nutrition, biology, microbiology, chemistry and human behaviour principals in local and global food systems. Enterprises which deal in food selection and processing for storage, distribution and consumption.

Plant Systems Pathway - For SAE projects applying best practices to manage and/or produce crops and plants of all types. Researching the life processes, health, nutrition, genetics and management of plants is also included in this pathway.

Power, Structural and Technical Pathway - For SAE projects which design, create or maintain agricultural equipment, power systems, alternative fuel sources and precision technology. Examples include, but are not limited to, woodworking, metalworking, leatherworking, welding and project planning for structures and/or equipment used in agriculture, food and natural resources (AFNR).