



JUNE 2022

EQUITY ACTION TABLES

Fostering Equity and Inclusion in the Penn State College of Engineering



Every member of the Penn State College of Engineering community has a role to play in advancing equity and inclusion efforts.

While the Equity Action Tables are organized by the group targeted by the actions, many others may be able to contribute to and support the action projects for other stakeholder groups.

- A staff member working in graduate program administration will support equity action projects for graduate students.
- Faculty members may facilitate conversations or lead affinity groups for other faculty, but also have key roles to play in equity projects targeting students and postdoctoral scholars.
- Graduate and undergraduate students serve as mentors, teaching and learning assistants, peer advisors, allies, and ambassadors for the college and can engage in providing input and leadership in many equity action projects.

Therefore, all community members are encouraged to peruse the full set of action tables to find the opportunities most suited to their position, skills, and passions.

About the Equity Action Plan

"The EAP is designed for action. Serving as both a map for all members of the College of Engineering community and a model for equity in engineering education across the country, we are focused on inclusive approaches that advance inclusivity. By meeting community members where they are, it offers a real and actionable onramp in the pursuit of equity in engineering, organized under four main ideas: 1) engagement and mentorship; 2) deepening individual knowledge and leadership by participating in ongoing learning activities, including acknowledging and rectifying biases; 3) using data-driven, people-focused activities to support equitable retainment and advancements; and 4) supporting equitable recruitment."

Justin Schwartz

Harold and Inge Marcus Dean, Penn State College of Engineering



This legend identifies the positions and roles that are defined in the action project tables that follow. These individuals and teams serve as key leaders who should be supporting the inventory, design, implementation, and assessment of the interventions recommended for the different engineering stakeholder groups.

STAKEHOLDER GROUPS

E	Executives
F	Faculty
Р	Post Docs
S	Staff
G	Graduate students
U	Undergraduate students

POSITIONS, ROLES, AND TEAMS

Dean	Harold and Inge Marcus Dean, College of Engineering
Associate and	Assistant Deans
ADE	Associate Dean for Education
ADEI	Associate Dean for Equity and Inclusion
ADF	Associate Dean for Faculty
ADI	Associate Dean for Innovation
ADR	Associate Dean for Research
SAD	Senior Associate Dean
ADASGP	Assistant Dean for Academic Support and Global Programs
ADCIPA	Assistant Dean for Curricular Innovation and Program Assessment
ADFE	Assistant Dean for Faculty Equity
ADTL-LCD	Assistant Dean for Teaching and Learning & Leonhard Center Director
Other College	Leaders
CAO	Chief Administrative Officer
DDAA	Director of Data Analysis and Assessment
DF	Director of Facilities
DHs	Department, School and Program Heads
DIT	Director of Information Technology
DODL	Director, Office of Digital Learning
EDCM	Editorial Director, Communications and Marketing
EMC	Engineering Management Committee
FO	Financial Officer
HRSP	Human Resources Strategic Partner
SDCIE	Senior Director of Corporate and Industry Engagement
SDDAR	Senior Director of Developmentand Alumni Relations
SDMC	Senior Director of Marketing and Communications
UEC	Unit Executive Committee (Dean, Associate Deans, DHs)

Other Callera Lands

Other College L	eaders
Dept DEI Leads	Department DEI Leads
DGS	Directors of Graduate Studies
EEIT	Equity, Excellence, Impact Team
EFC	Engineering Faculty Council
GC C	Graduate Council Engineering Caucus
Ombuds	Faculty Ombudsperson(s)
Senate C	Faculty Senate Engineering Caucus
UPC	Undergraduate Program Coordinators
ASGP	Academic Support and Global Programs
CEOI	Center for Engineering Outreach and Inclusion
CRER	Career Resources and Employer Relations
DSE	Director of Student Engagement
EAC	Engineering Advising Center
ECP	Engineering Connect Program
GEE	Global Engineering Engagement
IEP	International Engineering Programs
LLC Advisors	Living and Learning Communities Advisors
MEP	Multicultural Engineering Programs
PPFP	Presidential Postdoc Fellowship Program
SRGE	Student Research and Graduate Equity
STPCP	Student Transitions and Pre-College Programs
WEP	Women in Engineering Programs
ASAs	Administrative Support Assistants
SAC	Staff Advisory Committee
SAC-EIC	Staff Advisory Committee, Equity and Inclusion Subcommittee
DRT	Diversity Round Table
EA	Engineering Ambassadors
EGEC	Engineering Graduate Enrollment Coordinator
EGSC	Engineering Graduate Student Council
EUC	Engineering Undergraduate Council
GradWIE	Graduate Women in Engineering
MEGA	Multicultural Engineering Graduate Association
Boards	
	Contra for Englisher during Output of and Inclusion Advisory Decad

CEOI – AB Center for Engineering Outreach and Inclusion Advisory Board Industrial Professional Advisory Council IPAC PSEAS Penn State Engineering Alumni Society



6.1 Prioritized Actions to Advance Executive Equity Leadership

Table 6.1.1 Executive Engager	nent with EAP						
EA1: Engage College of Engineering Adn	ninistrators in Continuous E	quity Action Process					
Issues raised by administrators	Critical Intervention				Persons Responsible		
Expanding executive buy-in and ownership of climate improvement strategies	EA1.1 Initiate regular/on	going assessment – both quant	titative and qualitative		Dean, Associate Deans, CAO		
Building trust that the college will address issues raised by leaders	EA1.2 Communicate how Seek feedback on	v actions are mapped to identif progress	ied growth opportunities and	lingering challenges;	Dean, Associate Deans, CAO		
DEI Education and Leadership	EA1.3 Define a structure departments	to provide a common databan	k of ongoing DEI efforts and re	esources across	ADEI, ADFE, CAO, SDMC, EDCM, DDAA, ADTL-LCD, DIT		
DEI Education and Leadership	EA1.4 Provide guidelines	, toolkits, and information to s	upport Unit-level DEI Efforts		Dean, Associate Deans, CAO		
Transparency and Equity in Policies and Rewards	EA1.5 Identify if there ar	EA1.5 Identify if there are opaque processes and develop transparent communication around each					
Improving Processes for addressing inequities and needed policy changes	EA1.6 Revise and update	COE Constitution			EFC, ADFE, SAD, ADF, ADE, ADEI		
Expanding executive buy-in and ownership of climate improvement strategies	performance indic	aders to benchmark diversity, e ators with peer institutions inc n's Diversity Initiative as well a	luding American Society of En	-	Dean, Associate Deans, CAO, DDAA, ADTL-LCD, IPAC, CEOI-AB		
Metrics	Mechanisms for executive Unit leaders	input of equity concerns and s	olutions, Equity Updates for L	IEC, EMC, Annual resource	e updates for Department and		
KPIs	% of executives engaged in	n qualitative input activities					
Mapping to COE and University Strategic Plans		F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff, IS1: Infrastructure and Support-Prioritize investment in our people; COE SP Goal 1					
References and Resources	Indicators ³ , Michigan ADV	Aspire Alliance Institutional Change Resources, APLU INCLUDES ¹ , Gender & Diversity KPI Alliance ² , ASEE EDGE, 2020 National Gender Equity Indicators ³ , Michigan ADVANCE ⁴ , WEPAN Transforming Engineering Culture to Advance Inclusion and Diversity (TECAID) ⁵ , Penn State Strategic Plan—Our Commitment to Impact ⁶ , Additional resources to be identified in EA1.4					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	EA1.1, EA1.5	EA1.2, EA1.6	EA1.1-1.7	EA1.1-1.7	EA1.1-1.7		



Table 6.1.2 Executive Educational and Professional Development

EA2: Provide educational and professional development opportunities for administrators to deepen knowledge and leadership to advance equity and inclusion within the college and in partnership with engineering professional communities.

Issues raised by administrators and other stakeholders	Critical Intervention	Persons Responsible
Inclusive Mentorship—Increasing capacity of communities to mentor, proliferating promising practices	EA2.1 Provide professional development, information and consultation to department heads and unit leaders to support unit-level mentorship plans	Dean, Associate Deans, ADFE, CAO, SAC-EIC
Inclusive Mentorship—Implementing nationally recognized models	EA2.2 Investigate and solicit support for mentorship development offerings from nationally recognized providers	SAD, ADF, ADEI, ADFE, CAO, SAC-EIC, IPAC, CEOI-AB
Affinity Groups and Peer Networks— how to begin	EA2.3 Provide professional development, information, and consultation to unit leaders regarding effective peer mentorship groups within COE and in ASEE and BTAA+ groups	SAD, ADF, ADEI, ADFE, CAO, SAC-EIC
Advancement and Professional Development	EA2.4 Provide workshops on using and documenting evidence in annual review material to demonstrate impact	SAD, ADF, DHs, HRSP, CAO
DEI Education and Leadership	EA2.5 Provide professional development on equity and inclusion as a component of leader credentialling and onboarding	Dean, Associate Deans, ADFE, CAO, SAC-EIC
DEI Education and Leadership	EA2.6 Provide continuing education to broaden and deepen DEI knowledge of administrators	Dean, Associate Deans, ADFE, CEOI, ADTL-LCD
Equitable and Inclusive Onboarding	EA2.7 Develop intentional onboarding for unit leaders	Dean, Associate Deans, ADFE, CAO, SAC-EIC
Community and Belonging; Lack of diversity and inclusivity	EA2.8 Educate leaders on the federally or institutionally required categories for broadening participation or affirmative action compliance to increase understanding of the benefits and challenges within equity audits	Dean, ADEI, ADFE, SDMC, EDCM, DDAA
Community and Belonging; Lack of diversity and inclusivity	EA2.9 Create a calendar of opportunities that highlights and affirms minoritized groups and points to opportunities for engagement in ways that are salient to the multiplicity of identities represented in the college	SAD, ADF, ADEI, ADFE, EDCM
Community and Belonging; Lack of diversity and inclusivity	EA2.10 Support leaders by providing community messages that affirm the dignity of all persons, stand against identity-based harassment and discrimination, and encourage inclusivity	EMC, UEC
More support for minoritized and inclusive leaders	EA2.11 Nominate minoritized and inclusive leaders for professional development opportunities such as the IAspire leadership academy, ELATES, BTAA Academic Leadership Program, Next Level Leadership, and other networks that support advancement	EMC
Post-Pandemic Equity	EA2.12 Discuss and develop mechanisms to monitor and address inequitable post-pandemic impacts, particularly regarding gender, race, and disability	CAO, SAD, ADF with EMC and UEC input, DIT, DF
Metrics	Unit level mentorship plans, Administrator Development Workshops for onboarding, Executive Development Cu	irriculum and events
KPIs	% of executive teams participating in inclusive mentoring workshops; Number of unit leaders allocating meeting mentorship plans, and development opportunities for unit members	, time to discuss equity issues,
Mapping to COE and University Strategic Plans	F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty an Support-Prioritize investment in our people; COE SP Goal 1	d staff, IS1: Infrastructure and



Table 6.1.2 Executive Educational and Professional Development (continued)						
EA2: Provide educational and professional development opportunities for administrators to deepen knowledge and leadership to advance equity and inclusion within the college and in partnership with engineering professional communities.						
References and Resources	UMass Amherst Mutual Mentoring ⁷ Minority Postdoc ⁸ , NCFDD ⁹ , Corporate models for affinity groups ¹⁰ , Affinity groups ¹¹ , Michigan Tech Affinity Group Resource ¹² , UC Davis STEM Faculty Resource Guide ¹³ , How to engage ¹⁴ , Penn State ADVANCE Wages project ¹⁵⁻¹⁸ , Additional resources to be identified in EA1.4					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	
	EA2.1-2.2, EA2.6, EA2.10- EA2.12 EA2.1- EA2.2, EA2.5, EA 2.9 - 2.12 EA2.1- EA2.12 EA2.1- EA2.12 EA2.1- EA2.12					



Table 6.1.3 Executive Leader Retention and Advancement

EA3: Provide equitable and inclusive access to career advancement, engineering facilities, programs, resources, and services, by being responsive to the needs of diverse engineering constituents.

constituents.							
Issues raised by administrators and other stakeholders	Critical Intervention		Persons Responsible				
Inclusive Mentorship—College-level support	EA3.1 Provide access to U	EA3.1 Provide access to University-Level and Cross-Departmental Mentorship with topical coaching					
DEI Education and Leadership		EA3.2 Support leaders in developing unit-level DEI leadership structures (DEI charges for each committee and/or DEI committees)					
Transparency and Equity in Policies and Rewards	administrators (e.g.	administrators (e.g., provide resources to support the career advancement for unit members to take of more DEI leadership roles within the units: equity advocates, recruiters, and managers)—Deans					
Transparency and Equity in Policies and Rewards	EA3.4 Provide resources t	o help unit leaders examine e	quity in workloads, and work to	o find ways to adjust	Dean, Associate Deans, ADFE, CAO, DDAA, HRSP		
Community and Belonging; Lack of diversity and inclusivity	EA3.5 Work with each un	EA3.5 Work with each unit to develop sub-cultures of appreciation for community members as Penn Staters					
Community and Belonging; Lack of diversity and inclusivity		aces for "minoritized" execut educate majority peers	ives to connect without the bu	rden of having to share	Dean, Associate Deans, ADFE, CAO, IPAC, CEOI-AB		
More support for minoritized and inclusive leaders	EA3.7 Leverage senior fac	ulty mentors to support COE	eaders from groups underrepre	esented in STEM	Dean, SAD, ADF, ADEI, ADFE		
More support for minoritized and inclusive leaders	EA3.8 Identify, endorse, a COE community me		for minoritized leaders thereby	enabling Penn State	Dean, SAD, ADF, ADEI, CAO		
Metrics		•	; Strategies for identifying and leveloped based on learnings fr		level recognition for community		
KPIs	Executives can articulate ar career opportunities	understanding of evaluation	priorities; community survey d	ata shows higher sense o	of belonging and perception of		
Mapping to COE and University Strategic Plans		PS F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 1					
References and Resources	ADVANCE ²² , U Michigan Re	NSF ADVANCE ¹⁹ , Enhancing Inclusive Mentorship by Developing Supportive Strategies and Removing Barriers ²⁰ , Inclusive Mentor Readings ²¹ , UNC ADVANCE ²² , U Michigan Review Assessment ⁴ , ACE Equity Minded Faculty Workload ²³ , ASEE Edge Dashboards ^{24, 25} , NSF ADVANCE workload and rewards project ²⁶ , FISH Philosophy ²⁷ , Disney Institute ²⁸ , UC San Diego ERG Model ²⁹ , Additional resources to be identified in EA1.4					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	EA 3.7	EA3.1, EA3.2, EA3.7	EA3.1-EA3.4, EA3.6-EA3.8	EA3.1-EA3.8	EA3.1-EA3.8		



Table 6.1.4 Executive Leader Recruitment

EA4: Recruit leaders who contribute to sustaining diverse and inclusive communities in all programs.							
Issues raised by administrators and other stakeholders	Critical Intervention	Critical Intervention					
Inclusive Recruitment Processes	EA4.1 Adopt/develop CO	E recommendations for equita	ble and inclusive unit leader s		Dean, Associate Deans, ADFE, CAO, HRSP		
Inclusive Recruitment – Building talent pool			hrough invited seminar speak orking with executive search f	,	Dean, Associate Deans, ADFE, DHs		
Inclusive Recruitment – Reviewing applications	criteria and rubrics	A4.3 Implement lessons from Search Committee Briefings and ADVANCE Best practices such as objective criteria and rubrics for each evaluation category (leadership, healthy workplace culture, teaching, research, service, and collaboration) with consideration of contributions to equity in those domains					
Inclusive Recruitment	EA4.4 Provide concierge s						
Developing diverse and inclusive leaders	development oppo		e leaders who have participate adership academy, ELATES, B s that support advancement		Search Committee Members		
Metrics		Search committee members participating in Annual Briefings from affirmative action office; search committees using rubrics for evaluation; searches connecting candidates with concierge resources; Visits or communications with programs that produce diverse and inclusive leaders					
КРІ	Executive leadership applic	ant pools are more diverse; Le	eaders hired support equity go	als			
Mapping to COE and University Strategic Plans		PS F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 1					
References and Resources	Michigan ADVANCE ³⁰ , Michidentified in EA1.4	Michigan ADVANCE ³⁰ , Michigan STRIDE ³¹ , Michigan Hiring ³² , Michigan Handbook ³³ , Michigan Ten Best Practices ³⁴ , Additional resources to be identified in EA1.4					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	EA4.1-EA4.2	EA4.1-EA4.5	EA4.1-EA4.5	EA4.1-EA4.5	EA4.1-EA4.5		



6.2 Prioritized Actions to Advance Faculty Equity

Table 6.2.1 Faculty Engagem	ent witl	h EAP					
FA1: Engage College of Engineering fa	culty in Co	ntinuous Equity Act	tion Process.				
Issues raised by faculty and administrators	Critical Ir	ntervention				Persons Responsible	
Expanding faculty buy-in and ownership of climate improvement strategies	FA1.1 I	nitiate regular/ongc	oing assessment – both quanti	tative and qualitative		ADEI, ADFE	
Building trust that the college will address issues raised by faculty		Communicate how a Seek feedback on pr	ictions are mapped to identifion ogress	ed growth opportuniti	es and lingering challenges;	ADEI, ADFE, SDMC, EDCM, Dept DEI Leads	
DEI Education and Leadership		Define a structure to departments	provide a common databank	of ongoing DEI efforts	and resources across	ADEI, ADFE, SDMC, EDCM, DDAA, ADTL-LCD	
DEI Education and Leadership	FA1.4 F	Provide guidelines a	nd resources for department-	level DEI Efforts		SAD, ADF, ADEI, ADFE	
Transparency and Equity in Policies and Rewards			opaque processes and develo tion and parental leave)	o transparent commur	nication around each (e.g.,	SAD, ADF, ADEI, ADFE, All Faculty	
Improving Processes for addressing inequities and needed policy changes	FA1.6 (Communicate the ro	le of the COE faculty ombuds	person(s)		SAD, ADF, ADEI, ADFE, SDMC, Ombuds	
Improving Processes for addressing inequities and needed policy changes		Strengthen faculty g policies and practice		culty governance and	COE administration on faculty	SAD, ADF, ADE, ADEI, ADFE, EFC, Senate C, GC C	
Improving Processes for addressing inequities and needed policy changes	FA1.8 F	Revise and update C	OE Constitution			EFC, ADFE, SAD, ADF, ADE, ADEI	
Metrics	Portal fo Leaders	r faculty input of eq	uity concerns and solutions, F	all and Spring Equity U	Ipdates from College, Annual re	esource updates for Departmental	
KPIs	% of facu	ulty engaged in quali	itative input activities				
Mapping to COE and University Strategic Plans	-	F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff, IS1: Infrastructure and Support-Prioritize investment in our people; COE SP Goal 1					
References and Resources		WEPAN Transforming Engineering Culture to Advance Inclusion and Diversity (TECAID) ⁵ , Penn State Faculty Ombudspersons ³⁵ , Penn State College of Engineering Constitution ³⁶ , Additional resources to be identified in FA1.4					
Implementation Timeline	2020/20	21	2021/2022	2022/2023	2023/2024	2024/2025	
	FA1.1, FA	A1.2, FA1.5	FA1.1-FA1.3, FA1.5, FA1.7, FA1.8	FA1.1-FA1.8	FA1.1-FA1.7	FA1.1-FA1.7	



Table 6.2.2 Faculty Educational and Professional Development

FA2: Provide educational and professional development opportunities for faculty to deepen knowledge and leadership to advance equity and inclusion within the college and in partnership with engineering professional communities.

partnership with engineering professio	nal comm	nunities.	
Issues raised by faculty and administrators	Critical	Intervention	Persons Responsible
Inclusive Mentorship—Increasing capacity of communities to mentor, proliferating promising practices	FA2.1	Provide professional development, information and consultation to department heads, center directors and Dept DEI Leads to support unit-level mentorship plans	COE Associate Deans, ADFE
Inclusive Mentorship—Implementing nationally recognized models	FA2.2	Investigate and solicit support for mentorship development offerings from nationally recognized providers (e.g., CIMER, NCFDD)	SAD, ADF, ADEI, ADFE, CEOI
Affinity Groups and Peer Networks— how to begin	FA2.3	Provide professional development, information, and consultation to faculty for effective peer mentoring groups	SAD, ADF, ADEI, ADFE
Advancement and Professional Development	FA2.4	Provide workshops on using and documenting evidence in the dossier narrative to demonstrate impact	SAD, ADF, DHs
DEI Education and Leadership	FA2.5	Provide professional development on equity and inclusion as a component of leader credentialing and onboarding (e.g., chairs of P&T committees, search committee chairs, grad and undergrad program leaders.)	SAD, ADF, ADEI, ADFE
DEI Education and Leadership	FA2.6	Provide continuing education to broaden and deepen DEI knowledge of faculty	Dean, Associate Deans, ADFE, CEOI, ADTL-LCD
Improving processes for addressing inequities and needed policy changes	FA2.7	Provide professional development for ombudsperson role	SAD, ADF, ADFE, Ombuds
Equitable and Inclusive Onboarding	FA2.8	Expand Leonhard Center New Faculty workshop (identified as a "rose") with intention on DEI education for the faculty role	ADTL-LCD, ADEI, ADF, ADE
Equitable and Inclusive Onboarding	FA2.9	Develop or direct new faculty to formal training on the use of Activity Insight	SAD, ADF, HRSP, DIT
Equitable and Inclusive Onboarding	FA2.10	Develop intentional onboarding for faculty who start in January	SAD, ADF, ADFE, HRSP
Equitable and Inclusive Onboarding	FA2.11	Provide just-in-time training and resources	SAD, ADF, ADFE,
Community and Belonging; Lack of diversity and inclusivity	FA2.12	Educate community members on the federally or institutionally required categories for broadening participation or affirmative action compliance to increase understanding of the benefits and challenges within equity audits	Dean, ADEI, ADFE, SDMC, EDCM, DDAA, DIT, DF
Community and Belonging; Lack of diversity and inclusivity	FA2.13	Provide opportunities for community members to identify groups and activities to connect in spaces that are salient to the multiple facets of identity	Dean, ADEI, ADFE
Community and Belonging; Lack of diversity and inclusivity	FA2.14	Create a calendar of opportunities that highlights and affirms minoritized groups and points to opportunities for engagement in ways that are salient to the multiplicity of identities represented in the college	SAD, ADF, ADEI, ADFE, EDCM
Community and Belonging; Lack of diversity and inclusivity	FA2.15	Pursue allyship by providing community messages that affirm the dignity of all persons, stands against identity-based harassment and discrimination, and encourages inclusivity	Dean, Associate Deans, ADFE, EDCM, DHs, ADTL-LCD, EEIT, SDMC, All faculty



Table 6.2.2 Faculty Educational and Professional Development (continued)								
FA2: Provide educational and profes partnership with engineering profes		ities for faculty to deepen kno	owledge and leadership to ad	vance equity and inclusi	on within the college and in			
More support for minoritized and inclusive leaders	opportunities such	A2.16 Nominate diverse and inclusive mid-career and senior faculty for professional development opportunities such as the IAspire leadership academy, ELATES, BTAA Academic Leadership Program, Next Level Leadership and other networks that support advancement Dean, Associate Deans, ADFE, DHs, Senior Faculty						
Metrics	Unit level mentorship plans	Init level mentorship plans, Faculty Development Workshops for onboarding, Faculty Development Curriculum and events						
KPIs		% of faculty and administrators participating in inclusive mentoring workshops; Number of unit leaders allocating meeting time to discuss mentorship plans and promote development opportunities						
Mapping to COE and University Strategic Plans		F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff, IS1: Infrastructure and Support-Prioritize investment in our people; COE SP Goal 1						
References and Resources	CIMER ³⁷ , UMass Amherst N	Iutual Mentoring ⁷ , NCFDD ⁹ , In	clusive Mentor Readings ²¹ , UN	IC Advance ²² , Additional	resources to be identified in FA1.4			
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025			
	FA2.2, FA2.6, FA2.15, FA2.16							



Table 6.2.3 Faculty Retention and Advancement

FA3: Provide equitable and inclusive access to career advancement, engineering facilities, programs, resources, and services, by being responsive to the needs of diverse engineering constituents.

engineering constituents.		
Issues raised by faculty and administrators	Critical Intervention	Persons Responsible
Post-Pandemic Equity	disability	Dean and Associate Deans, ADFE, ADTL-LCD, DHs, P & T Committees, DIT, DF
Inclusive Mentorship—Unit-level organized mentorship	FA3.2 Conduct an Inventory/Audit of Department Mentorship Plans and Implementation to Identify strengths and gaps	EEIT, SAD, ADF, ADEI, ADFE
Inclusive Mentorship—Informal peer mentoring		Dean, Associate Deans, ADFE, EEIT
Inclusive Mentorship—College-level organized mentorship		Dean, Associate Deans, DHs, EEIT
Affinity Groups and Peer Networks	FA3.5 Develop College-level mechanism for faculty-defined affinity groups	Dean, Associate Deans, SDMC,
Affinity Groups and Peer Networks		Dean, Associate Deans, SDMC, EEIT, All Faculty
Advancement and Professional Development	FA3.7 Adoption and Implementation of Revised College P&T guidelines	EFC, ADF
Advancement and Professional Development		Dean, Associate Deans, DHs, EFC, Senate C, GC C
Advancement and Professional Development	FA3.9 Continue to clarify Promotion guidelines for Teaching and Research Professors	SAD, ADF, ADEI, ADFE, ADE, EFC
Advancement and Professional Development	FA3.10 Conduct an Audit of annual review process for Tenure-Line Professors and Research or Teaching Professors	Dean, SAD, ADF, ADEI, ADFE
DEI Education and Leadership		SAD, ADF, ADEI, ADFE, EEIT, All Faculty
DEI Education and Leadership		Dean, Associate Deans, ADFE, DHs, Dept DEI leads
Transparency and Equity in Policies and Rewards		Dean, Associate Deans, ADFE, DHs
Transparency and Equity in Policies and Rewards		Dean, Associate Deans, ADFE, DHs
Improving Processes for addressing inequities and needed policy changes	· · · · // · · · · · · · · · · · · · ·	SAD, ADF, EFC, Ombuds, All Faculty
Community and Belonging; Lack of diversity and inclusivity		Dean, Associate Deans, ADFE, EEIT, DHs



Table 6.2.3 Faculty Retention and Advancement (continued)

FA3: Provide equitable and inclusive access to career advancement, engineering facilities, programs, resources, and services, by being responsive to the needs of diverse engineering constituents.

engineering constituents.						
Issues raised by faculty and administrators	Critical Intervention	Persons Responsible				
Community and Belonging; Lack of diversity and inclusivity		aces for "minoritized" faculty ducate majority faculty	to connect without the burd	en of having to share	Dean, Associate Deans, ADFE, EEIT	
More support for minoritized and inclusive leaders	FA3.18 Leverage senior fact	ulty mentors to support facult	y from groups underreprese	nted in STEM	Dean, SAD, ADF, ADEI, ADFE	
More support for minoritized and inclusive leaders	FA3.19 Identify, endorse, ar State COE communi	Dean, SAD, ADF, ADEI, Dept DEI leaders, IPAC, PSEAS, CEOI-AB				
Metrics	Update on Pandemic impacts; Departmental DEI structures; Affinity Group Structure; Faculty conversation circles, Revised P and P&T guidelines; Annual Review Practices Report; Strategies for identifying and reporting impact; DEI scholarship and reports; Deans-level fellow support for faculty advancing DEI goals; ombudsperson office expanded; community philosophy developed based on learnings from corporate models.					
KPIs		by gender and race shows equy ata shows higher sense of			e an understanding of evaluation	
Mapping to COE and University Strategic Plans		f Inclusion, Equity, and Divers nt in our people; COE SP Goa		er our outstanding faculty	and staff; IS1: Infrastructure and	
References and Resources	Corporate models for affinity groups ¹⁰ , Affinity groups ¹¹ , Michigan Tech Affinity Group Resource ¹² , FISH Philosophy ²⁷ , Additional resources to be identified in FA1.4					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	
	FA3.1, FA3.3	FA3.1-FA3.3, FA3.5- FA3.7, FA3.9, FA3.11 -FA3.12	FA3.1-FA3.7, FA3.9- FA3.13, FA3.15, FA3.17- FA3.19	FA3.1-FA3.19	FA3.1-FA3.19	



Table 6.2.4 Faculty Recruitment						
FA4: Recruit diverse and inclusive facu	Ity in all programs.					
Issues raised by faculty and administrators	Critical Intervention				Persons Responsible	
Inclusive Recruitment – Processes	FA4.1 Adopt/develop COE	recommendations for equitabl	e and inclusive faculty searche	S	Dean, Associate Deans, ADFE, DHs	
Inclusive Recruitment – Processes	FA4.2 Initiate Open COE Fa	culty Searches			Dean, Associate Deans, ADFE	
Inclusive Recruitment – Building talent pool	FA4.3 Establish Partnership	o for Faculty Diversity Postdoct	oral Scholar Program		Dean, ADR, ADEI, ADFE	
Inclusive Recruitment – Building talent pool	FA4.4 Establish relationshi	ps with scholar programs (Sloa	n, GEM, AGEPs, SREB) to ident	ify diverse talent pools	ADR, ADEI, ADFE, CEOI, EEIT, Faculty, PSEAS, CEOI-AB	
Inclusive Recruitment – Building talent pool		FA4.5 Continue COE support for continuous recruiting through invited seminar speakers, award winning graduate students, postdocs (in Partnership Programs) and faculty				
Inclusive Recruitment – Reviewing applications	criteria and rubric	from Search Committee Brief s for each evaluation categ onsideration of contributions t	gory (teaching, research, se		Dean, Associate Deans, ADFE, DHs, Search Committee Members	
Inclusive Recruitment	FA4.7 Provide concierge su	pport for faculty searches			ADF, ADEI, EEIT, ASAs who support searches	
Metrics		d; Search committee members nes connecting candidates with		-	on office; search committees using cholar programs	
KPI	Faculty pools are more diver	se; Faculty hired increases tow	ards equity goals			
Mapping to COE and University Strategic Plans	000	PS F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 1				
References and Resources	President's Postdoctoral Fell	owship Program ³⁸ , Additional ı	esources to be identified in FA	1.4		
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	
	FA4.2, FA4.7	FA4.1-FA4.3, FA4.7	FA4.1-FA4.7	FA4.1-FA4.7	FA4.1-FA4.7	



6.3 Prioritized Actions to Advance Postdoctoral Scholar Equity

Table 6.3.1 Postdoctoral Scholar Engagement with EAP							
PA1: Engage College of Engineering postdoctoral scholars in Continuous Equity Action Process.							
Issues raised by faculty and administrators	Critical Intervention			F	Persons Responsible		
Expanding postdoc engagement with climate improvement strategies	PA1.1 Initiate regular/ongo	1.1 Initiate regular/ongoing assessment – both quantitative and qualitative ADEI, ADFE					
Improving Processes for addressing inequities and needed policy changes	PA1.2 Communicate the ro	A1.2 Communicate the roles of the COE ombudsperson(s) and Office of Postdoctoral Scholars SAD, ADF, ADEI, ADFE, SDMC, Ombuds					
DEI Education and Leadership	PA1.3 Provide guidelines a	nd resources for postdoc DEI	and development efforts	ŀ	ADEI, ADR		
Metrics	Portal for postdoc input of e Departmental leaders	quity concerns and solutions,	Fall and Spring Equity Update	es from College, Annual reso	ource updates for		
KPIs	% of postdocs engaged in qu	alitative input activities					
Mapping to COE and University Strategic Plans		F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff, IS1: Infrastructure and Support-Prioritize investment in our people; COE SP Goal 1					
References and Resources	President's Postdoctoral Fel	President's Postdoctoral Fellowship Program ³⁸ , Additional resources to be identified in PA1.3					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	PA1.1	PA1.1	PA1.1-PA1.3	PA1.1-PA1.3	PA1.1-PA1.3		



Table 6.3.2 Postdoctoral Scholar Educational and Professional Development

PA2: Provide educational and professional development opportunities for postdocs to deepen knowledge and leadership to advance equity and inclusion within the college and in partnership with engineering professional communities.

partnership with engineering professi	onal communities.						
Issues raised by faculty and administrators	Critical Intervention			Pe	ersons Responsible		
Inclusive Mentorship—Increasing capacity of communities to mentor, proliferating promising practices	PA2.1 Provide professional	development, information to s	support postdoc mentorship pl	ans C	OE Associate Deans, ADFE		
Inclusive Mentorship—Implementing nationally recognized models	PA2.2 Investigate and solicit providers (e.g., CIME		nent offerings from nationally		AD, ADF, ADEI, ADFE, CEOI, AC, CEOI-AB		
Affinity Groups and Peer Networks— how to begin	PA2.3 Support professional mentoring groups	development, information, an	d consultation to postdocs for		AD, ADF, ADEI, ADFE, aculty Supervisors of Postdocs		
DEI Education and Leadership	PA2.4 Provide professional or credentialling and on		clusion as a component presid	ential postdoc mentor S/	AD, ADF, ADEI, ADFE		
Equitable and Inclusive Onboarding	PA2.5 Develop and/or Expan	nd workshops with intention o	n DEI education for the postdo	oc role A	DTL-LCD, ADEI		
Community and Belonging; Lack of diversity and inclusivity	-	PA2.6 Educate community members on the federally or institutionally required categories for broadening participation or affirmative action compliance to increase understanding of the benefits and challenges within equity audits					
Community and Belonging; Lack of diversity and inclusivity ,		PA2.7 Create a calendar of opportunities that highlights and affirms minoritized groups and points to opportunities for engagement in ways that are salient to the multiplicity of identities represented in the					
ommunity and Belonging; Lack of diversity and inclusivity		PA2.8 Pursue allyship by providing community messages that affirm the dignity of all persons, stands against identity-based harassment and discrimination, and encourages inclusivity Supervisors of Postdocs					
Metrics	Unit level mentorship plans,	Postdoc Development Worksł	nops for onboarding, Postdoc I	Development curriculum and	devents		
KPIS	-	% of faculty and administrators participating in inclusive mentoring workshops; number of faculty supervisors engaged in mentoring planning and discussions; increased participation of postdocs in prof development; increased sense of job satisfaction for postdocs					
Mapping to COE and University Strategic Plans		F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff, IS1: Infrastructure and Support-Prioritize investment in our people; COE SP Goal 1					
References and Resources	NCFDD ⁹ , UNC Advance ²² , CIN	NCFDD ⁹ , UNC Advance ²² , CIMER ³⁷ , President's Postdoctoral Fellowship Program ³⁸ , Additional resources to be identified in PA1.3					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	PA2.2, PA2.8	PA2.2, PA2.8	PA2.1-PA2.8	PA2.1-PA2.8	PA2.1-PA2.8		



Table 6.3.3 Postdoctoral Sch	olar Retention and	Advancement					
PA3: Provide equitable and inclusive a engineering constituents.	access to career advancer	nent, engineering facilities,	programs, resources, and serv	vices, by being responsive to	the needs of diverse		
Issues raised by faculty and administrators	Critical Intervention				Persons Responsible		
Post-Pandemic Equity	PA3.1 Monitor and a disability						
Inclusive Mentorship—unit-level organized mentorship	PA3.2 Complete an II strengths and		stdoc Mentorship Plans and Imp	plementation to Identify	EEIT, SAD, ADF, ADEI, ADFE		
Inclusive Mentorship—mentoring postdoctoral scholars	PA3.3 Support oppor	rtunities for Postdocs to part	ticipate in career mentoring co	mmunities	ADR, ADEI, ADFE, Faculty Supervisors of Postdocs		
Metrics		impacts; Inventory with respe goals through postdoc progra		p; DEI scholarship and report	s; Deans-level fellow support for		
KPIs		oostdocs can articulate an aw eption of career opportunitie		al development opportunitie	es; survey data shows higher sense		
Mapping to COE and University Strategic Plans		PS F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 1					
References and Resources	NCFDD ⁹ , UNC Advance	e ²² , Additional resources to b	e identified in PA1.3				
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	PA3.1-PA3.2	PA3.1-PA3.2	PA3.1-PA3.3	PA3.1-PA3.3	PA3.1-PA3.3		



Table 6.3.4 Postdoctoral Scho FA4: Recruit diverse and inclusive post							
Issues raised by faculty and administrators	Critical Intervention				Persons Responsible		
Inclusive Recruitment – Processes	PA4.1 Adopt/develop COE	recommendations for equitab	ble and inclusive postdoc sear	ches	Dean, Associate Deans, ADFE, DHs		
Inclusive Recruitment – Building talent pool	PA4.2 Establish Partnership	PA4.2 Establish Partnership for Faculty Diversity Postdoctoral Scholar Program					
Inclusive Recruitment – Building talent pool	PA4.3 Establish relationshi	p with scholar programs (Sloa	an, GEM, AGEPs, SREB) to iden	tify diverse talent pools	ADR, ADEI, ADFE, CEOI, EEIT, Dept DEI Leads, Faculty		
Inclusive Recruitment – Building talent pool		ort for continuous recruiting th postdocs (in Partnership Progr	hrough invited seminar speake rams) and faculty	ers, award winning	Dean, Associate Deans, DHs, Seminar Leaders		
Metrics	Postdoc program establishe	d; Investigators who are recru	uiting postdocs have access to	inclusive recruitment info	ormation		
КРІ	Postdoc community shows in	Postdoc community shows increases in underrepresented scholars					
Mapping to COE and University Strategic Plans		PS F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 1					
References and Resources	President's Postdoctoral Fell	President's Postdoctoral Fellowship Program ³⁸ , Additional resources to be identified in PA1.3					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	PA4.2	PA4.2	PA4.1-PA4.3	PA4.1-PA4.4	PA4.1-PA4.4		



6.4 Prioritized Actions to Advance Staff Equity

Table 6.4.1 Staff Engagement	with EAP					
SA1: Engage College of Engineering Staf	f in Continuous Equity Actior	n Process.				
Issues raised by staff and other stakeholders	Critical Intervention				Persons Responsible	
Expanding staff buy-in and ownership of climate improvement strategies	SA1.1 Initiate regular/ong	oing assessment – both quant	itative and qualitative		Dean, Associate Deans, CAO, HRSP	
Building trust that the college will address issues raised by staff	SA1.2 Communicate how seek feedback on p	actions are mapped to identif rogress	ied growth opportunities and	lingering challenges;	EMC	
DEI Education and Leadership	SA1.3 Define a structure t	o provide a common databan	k of ongoing DEI efforts and re	esources across units	ADEI, HRSP, CAO	
DEI Education and Leadership	SA1.4 Provide Guidelines	and Resources for unit-level D	El Efforts		ADEI, HRSP, CAO	
Transparency and Equity in Policies and Rewards	-	SA1.5 Identify if there are opaque processes and develop transparent communication around each (e.g., awards nomination processes)				
Improving Processes for addressing inequities and needed policy changes		visory Council Equity and Inclunts to equity for staff and designt		ders to identify issues	EMC, SAC-EIC, HRSP, Staff	
Metrics	Portal for staff input of equi and unit leaders	ity concerns and solutions, Fal	ll and Spring Equity Updates f	rom College, Annual reso	urce updates for Departmental	
KPIs	% of staff engaged in qualita College	ative input activities, portal fo	r staff input of equity concerr	as and solutions, Fall and	Spring Equity Updates from	
Mapping to COE and University Strategic Plans		PS F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 1				
References and Resources		Gender & Diversity KPI Alliance ² , 2020 National Gender Equity Indicators ³ , Penn State Strategic Plan—Our Commitment to Impact ⁶ , Additional resources to be identified in SA1.4				
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	
	SA1.1, SA1.5, SA1.6	SA1.1, SA1.5, SA1.6	SA1.1-SA1.6	SA1.1-SA1.6	SA1.1-SA1.6	



Table 6.4.2 Staff Professiona							
SA2: Provide educational and profession partnership with engineering profession		ities for staff to deepen know	ledge and leadership to adva	nce equity and inclusion v	vithin the college and in		
Issues raised by staff and other stakeholders	Critical Intervention				Persons Responsible		
Inclusive Mentorship—Increasing capacity of communities to mentor, proliferating promising practices		al development, information, a ge numbers of staff, and colle umbers			ADEI, HRSP, CAO, SAC-EIC		
Inclusive Mentorship—Implementing nationally recognized models	SA2.2 Investigate and soli	cit support for mentor develo	pment offerings from nationa	lly recognized providers	ADEI, HRSP, CAO, SAC-EIC		
Affinity Groups and Peer Networks— how to begin	SA2.3 Provide profession groups	al development, information, a	and consultation to staff for e	ffective peer mentoring	ADEI, HRSP, CAO, SAC-EIC		
Advancement and Professional Development		RN and other development op	portunities for staff		ADEI, HRSP, CAO, SAC-EIC, DODL, Supervisors of Staff		
DEI Education and Leadership	SA2.5 Provide profession onboarding	al development on equity and	inclusion as a component of I	eader credentialling and	ADEI, HRSP, CAO, SAC-EIC		
DEI Education and Leadership	SA2.6 Provide continuing	education to broaden and dee	epen DEI knowledge		ADEI, HRSP, CAO, SAC-EIC		
Improving processes for addressing inequities and needed policy changes	SA2.7 Provide profession other supervisory r	al development for supervisors oles	s in handling annual reviews,	grievance processes, and	HRSP, CAO		
Equitable and Inclusive Onboarding		SA2.8 Develop or direct new staff to formal training on the use of systems related to the job role (SIMBA, Lionpath, e-steward, iTwo)					
Equitable and Inclusive Onboarding	SA2.9 Develop intentiona	l onboarding for staff			EMC, Supervisors of Staff		
Equitable and Inclusive Onboarding	SA2.10 Provide just-in-time	e training and resources			HRSP, CAO, Supervisors of Staff		
Community and Belonging; Lack of diversity and inclusivity		y members on the federally or rmative action compliance to s			ADEI, HRSP, CAO, SAC-EIC		
Community and Belonging; Lack of diversity and inclusivity		ies for community members to he multiple facets of identity	o identify groups and activitie	s to connect in spaces	ADEI, HRSP, CAO, SAC-EIC, Supervisors of Staff		
Metrics	Unit level mentorship plans	s, Staff Development Worksho	ps for onboarding, Staff Deve	lopment Curriculum, marke	eting, and events		
KPIs		rs participating in inclusive me note development opportuniti		of unit leaders allocating m	neeting time to discuss		
Mapping to COE and University Strategic Plans		PS F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 1					
References and Resources	Corporate models for affini	ty groups ¹⁰ , Affinity groups ¹¹ ,	Additional resources to be ide	entified in SA1.4			
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	SA2.4	SA2.2, SA2.4, SA2.11, SA2.12	SA2.1, SA2.2, SA2.4 -SA2.9, SA2.11, SA2.12	SA2.1-SA2.12	SA2.1-SA2.12		

Table 6.4.2 Staff Professional Development



SA3: Provide equitable and inclusive acc engineering constituents.	cess to career advancement,	engineering facilities, progra	ms, resources, and services, b	y being responsive to the	needs of diverse	
Issues raised by staff and other stakeholders	Critical Intervention				Persons Responsible	
Post-Pandemic Equity	SA3.1 Monitor and addres disability	ss inequitable post-pandemic i	mpacts, particularly regarding		EMC, Supervisors of Staff, DIT, DF	
Inclusive Mentorship—unit-level organized mentorship	SA3.2 Conduct an Invento	ry of unit Mentorship Plans ar	nd Implementation to Identify	strengths and gaps	ADEI, SAC-EIC, HRSP, CAO	
Inclusive Mentorship—informal peer mentoring	SA3.3 Sustain and expand	support for Informal Mentori	ng via ESAC-EIC programs		ADEI, SAC-EIC, HRSP, CAO	
Inclusive Mentorship—college level organized mentorship	SA3.4 Provide College-Lev	el mentoring for staff in small	er units		ADEI, SAC-EIC, HRSP, CAO	
DEI Education and Leadership	SA3.5 Identify opportuniti	es for DEI scholarship and con	tributions for staff		ADEI, SAC-EIC, HRSP, CAO, Supervisors of Staff	
DEI Education and Leadership	SA3.6 Initiate unit level DI	El leadership structures (DEI ch	narges for each committee an	d/or DEI committees)	EMC	
Transparency and Equity in Policies and Rewards	provide resources t	for DEI activities recognizing to support the career advancer equity advocates, recruiters, a	ment for staff serving in DEI le	epresented starr (e.g.,	EMC	
Transparency and Equity in Policies and Rewards	SA3.8 Provide resources to and to inform adjus	o help department heads and tments to JRWs	other unit leaders examine ec	uity in staff workloads	ADEI, HRSP, CAO	
Community and Belonging; Lack of diversity and inclusivity	SA3.9 Develop a culture o service philosophy s	f appreciation for community such as FISH	members as Penn Staters, per	haps with a customer	EMC	
Community and Belonging; Lack of diversity and inclusivity		aces for "minoritized" staff to educate majority staff	connect without the burden of	of having to share	ADEI, SAC-EIC	
Metrics		ts; Unit DEI structures; Annual mmunity philosophy develope				
KPIs	Staff can articulate an unde opportunities	Staff can articulate an understanding of evaluation priorities; community survey data shows higher sense of belonging and perception of career				
Mapping to COE and University Strategic Plans		PS F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 1				
References and Resources	FISH Philosophy27, Disney In	FISH Philosophy ²⁷ , Disney Institute ²⁸ , Additional resources to be identified in SA1.4				
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	
	SA3.3	SA3.1-SA3.4	SA3.1-SA3.8	SA3.1-SA3.8	SA3.1-SA3.10	

Table 6.4.3 Staff Retention and Advancement



Table 6.4.4 Staff Recruitme	ent						
SA4: Recruit diverse and inclusive st	staff in all programs.				Z		
Issues raised by staff and other stakeholders	Critical Intervention	Critical Intervention					
Inclusive Recruitment	SA4.1 Continue COE suppo	ort for continuous recruitm	nent		EMC		
Inclusive Recruitment	SA4.2 Provide concierge su	support for staff searches			ADEI, HRSP, CAO, SAC-EIC, Staff		
Metrics	Search committees using rul out to engage venues where			cting candidates with concierge	e resources; Committees reaching		
KPIs	Candidate pools more divers	se, increased hiring of dive	erse and inclusive staff				
Mapping to COE and University Strategic Plans		PS F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Support and empower our outstanding faculty and staff; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 1					
References and Resources	Resources to be identified ir	esources to be identified in SA1.4					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	SA4.1-SA4.2	SA4.1-SA4.2	SA4.1-SA4.2	SA4.1-SA4.2	SA4.1-SA4.2		



6.5 Prioritized Actions to Advance Graduate Student Equity

Table 6.5.1 Graduate Student	Engagement with EA	Р				
GA1: Engage College of Engineering Grad	duate Students in Continuou	is Equity Action Process.				
Issues raised by grad students and other stakeholders	Critical Intervention				Persons Responsible	
Expanding buy-in and ownership of climate improvement strategies	GA1.1 Initiate regular/ong	going assessment – both quant	itative and qualitative		ADEI, ADR, ADE, CCGE	
Building trust that the college will address issues raised by grad students	GA1.2 Communicate how Seek feedback on p	actions are mapped to identifi progress	ed growth opportuniti	es and lingering challenges;	ADEI, ADR, ADE, DGS	
DEI Education and Leadership	GA1.3 Define a structure t across department	to provide a common databanł s	< of ongoing graduate I	DEI efforts and resources	ADEI, ADR, ADE, CEOI	
DEI Education and Leadership	GA1.4 Provide guidelines	GA1.4 Provide guidelines and resources for department-level graduate DEI Efforts				
Transparency and Equity in Policies and Rewards	GA1.5 Identify if there are	opaque processes and develo	p transparent commur	ication around each	ADEI, ADR, ADE, GC C, Graduate Students, Grad Faculty, Grad Program Staff	
Improving Processes for addressing inequities and needed policy changes		oles of the Associate Dean for iversity–wide ombudsperson for nt Association		,	ADEI, ADR, ADE, DGS, GC C, Grad Faculty, Grad Program Staff	
Metrics	Portal for graduate student	input of equity concerns and s	solutions, Fall and Sprir	ng Equity Updates from College	e	
KPIs	% of graduate students eng	aged in qualitative input activi	ties			
Mapping to COE and University Strategic Plans		3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Prepare our students for success in their careers and life; IS1: Infrastructure and upport- Prioritize investment in our people; COE SP Goal 2				
References and Resources	Graduate Student Roadmag	o ³⁹ , Institute for Broadening Pa	rticipation Resource To	oolbox ⁴⁰ , Additional resources	to be identified in GA1.4	
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	
	GA1.1, GA1.6	GA1.1, GA1.2, GA1.4-GA1.6	GA.1.1-GA1.6	GA.1.1-GA1.6	GA.1.1-GA1.6	

Table 6.5.2 Graduate Student Education, Training, and Professional Development

GA2: Provide educational and professional development opportunities for graduate students to deepen knowledge and leadership to advance equity and inclusion within the college and in partnership with engineering professional communities.

Issues raised by graduate students	Critical Intervention	Persons Responsible
Inclusive Mentorship—Increasing capacity of communities to mentor, proliferating promising practices	GA2.1 Provide professional development, information and consultation to department heads, graduate coordinators, and research center directors to support unit-level mentorship plans	ADEI, ADR, ADE, CEOI, Dept DEI Leads



Table 6.5.2 Graduate Student Education, Training, and Professional Development (continued)

GA2: Provide educational and professional development opportunities for graduate students to deepen knowledge and leadership to advance equity and inclusion within the college and in partnership with engineering professional communities. Issues raised by graduate students **Critical Intervention** Persons Responsible ADEI, ADF, CEOI, CEOI-AB, IPAC GA2.2 Investigate and solicit support for mentor development offerings from nationally recognized providers Inclusive Mentorship—Implementing Nationally recognized models (e.g., CIMER, NCFDD) GA2.3 Provide professional development, information, and consultation to graduate students for effective ADEI, ADR, ADE, CEOI, Dept DEI Affinity Groups and Peer Networks-Leads peer mentoring groups how to begin ADEI, CEOI, EGSC, MEGA, DGS Advancement and Professional GA2.4 Provide workshops on using documenting evidence in the CV and DEI statements for job applications to demonstrate impact Development ADEL CEOL EGSC MEGA Dent DELEducation and Leadershin GA2.5 Provide professional development on equity and inclusion as a component of credentialling and

DEI Education and Leadership	GA2.5 Provide professiona onboarding for grad	DEI Leads, DGS					
DEI Education and Leadership	GA2.6 Provide continuing knowledge	ADEI, CEOI, DODL, EGSC, MEGA, Dept DEI Leads DGS, ADTL-LCD, ADCIPA					
DEI Education and Leadership	-	al development on equity and duate students who will be TA	l inclusion as a component of cr As	edentialling and	ADEI, CEOI, ADTL-LCD, Dept DEI Leads, DGS		
Equitable and Inclusive Onboarding	GA2.8 Expand CEOI gradua populations	ate student welcome with int	ention of building community a	cross underrepresented	ADEI, CEOI		
Equitable and Inclusive Onboarding	GA2.9 Provide just-in-time	e training and resources			ADEI, CEOI, CCGE, Dept DEI Leads, DGS, Supervisors of Graduate Students		
Community and Belonging; Lack of diversity and inclusivity	participation or affi	GA2.10 Educate community members on the federally or institutionally required categories for broadening participation or affirmative action compliance to increase understanding of the benefits and challenges within equity audits					
Community and Belonging; Lack of diversity and inclusivity	GA2.11 Provide opportuniti that are salient to t	Dean, ADEI, ADR, ADE, CEOI, Supervisors of Graduate Students					
Metrics	Department mentorship pla	Department mentorship plans, Graduate Student onboarding workshops, Graduate Student Development Curriculum, and events					
KPIs	-	% of graduate students participating in inclusive mentoring workshops; Number of grad program coordinators allocating seminar time to discuss DEI, mentorship plans, and promote development opportunities					
Mapping to COE and University Strategic Plans	F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Prepare our students for success in their careers and life; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 2						
References and Resources	AGEP ⁴¹ , Sloan ⁴² , OGEEP ⁴³ , C	AGEP ⁴¹ , Sloan ⁴² , OGEEP ⁴³ , CIMER ³⁷ , Additional resources to be identified in GA1.4					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	GA2.2, GA2.5, GA2.7, GA2.8	GA2.2, GA2.4-GA2.8, GA2.11	GA2.1-GA2.11	GA2.1-GA2.11	GA2.1-GA2.11		



Table 6.5.3 Graduate Student Retention and Advancement

engineering graduate students. Issues raised by graduate students Critical Intervention Persons Responsible ADEI, ADR, ADE, CEOI, DGS, Post-Pandemic Equity GA3.1 Monitor and address inequitable post-pandemic impacts, particularly regarding gender, race, and Dept DEI Leads disability ADEI, ADR, ADE, DGS, SRGE, Inclusive Mentorship-unit-level GA3.2 Conduct an Inventory of Graduate Program Mentorship Plans and Implementation to Identify Dept DEI Leads organized mentorship strengths and gaps ADEI, CEOI, DGS, Dept DEI Leads Inclusive Mentorship—informal peer GA3.3 Sustain and expand support for Informal Mentoring via affinity groups (such as peer circle and leadership development for women graduate students and multicultural graduate students) mentoring ADEI, CEOI, DGS, EGSC, MEGA, Inclusive Mentorship—college level GA3.4 Provide College-Level and Cross Departmental Mentorship with topical mentoring and coaching to fill GradWIE, CEOI-AB, PSEAS, IPAC organized gaps (MEGA, GradWIE) Dean, ADEI, ADR, ADE, DGS, Affinity Groups and Peer Networks GA3.5 Initiate and grow orientation program for incoming graduate students CEOI ADEI, CEOI, DGS GA3.6 Provide College-level mechanisms for additional graduate student affinity groups or topical Affinity Groups and Peer Networks conversation circles ADEI, ADR. ADE. DGS. CEOI. Advancement and Professional GA3.7 Conduct an audit of career advancement resources for graduate students. CRER Development GA3.8 Encourage graduate students to create individual development plans ADEI, ADR, ADE, DGS, CEOI, Advancement and Professional Supervisors of Grad Students Development **DEI Education and Leadership** GA3.9 Identify opportunities for DEI scholarship and contributions ADEI, ADR, ADE, Dept DEI Leads Dean, ADEI, ADR, ADE, CEOI, GA3.10 Implement rewards for DEI activities recognizing the undue burdens on underrepresented graduate Transparency and Equity in Policies and students (e.g., provide resources to support the career advancement for graduate students serving in DGS Rewards DEI leadership roles within engineering departments - equity advocates, recruiters, and mentors) Transparency and Equity in Policies and ADEI, ADR, ADE, CEOI, CCGE GA3.11 Develop a general awards nomination portal for current graduate students Rewards Dean, ADEI, ADR, ADE Community and Belonging; Lack of GA3.12 Provide inclusive spaces for "minoritized" grad students to connect without the burden of having to diversity and inclusivity share "traumas" with or educate majority community members Community and Belonging; Lack of GA3.13 Establish a physical space for graduate students to congregate EMC, UEC, CCGE, DF diversity and inclusivity ADEI, CEOI, DGS, Dept DEI Leads GA3.14 Improve internal communication system to alert OGEEP⁴³/CEOI when student is struggling Inclusive Retention Participation in peer networks, mentorship programs in departments, awards nomination portal Metrics KPI Time to degree disaggregated by gender and race, graduate students can articulate an understanding of evaluation priorities, community survey data shows higher sense of belonging and perception of career opportunities

GA3: Provide equitable and inclusive access to career advancement, engineering facilities, programs, resources, and services, by being responsive to the needs of diverse engineering graduate students.



Table 6.5.3 Graduate Student Retention and Advancement (continued)

GA3: Provide equitable and inclusive access to career advancement, engineering facilities, programs, resources, and services, by being responsive to the needs of diverse engineering graduate students. Mapping to COE and University University Strategic Plan DEI Goal 4: Recruit, support, and advance a diverse student body; COE Strategic Plan Goal 2 (Action 7): Equitable Access Strategic Plans for Students & Representative Student Body; F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Prepare our students for success in their careers and life; IS1: Infrastructure and Support- Prioritize investment in our people MEGA⁴⁴, GradWIE⁴⁵, Additional resources to be identified in GA1.4 References and Resources 2020/2021 2021/2022 2022/2023 2023/2024 2024/2025 Implementation Timeline GA3.1, GA3.4., GA3.5 GA3.1, GA3.4, GA3.5 GA3.1- GA3.9, GA3.11, GA3.1-GA3.14 GA3.1-GA3.14 GA3.12, GA3.14



Table 6.5.4	Graduate Student Recruitment	
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GA4: Recruit diverse and inclusive grad	uate students in all program	S.					
Issues raised by graduate students and faculty	Critical Intervention	Persons Responsible					
Inclusive Recruitment	GA4.1 Create a timeline for	ADEI, ADR, ADE, CCGE					
Inclusive Recruitment	GA4.2 Assess recruitment students	ADEI, ADR, ADE, DGS, DDAA, Dept DEI Leads					
Inclusive Recruitment	GA4.3 Provide DEI panels	for graduate recruitment			ADEI, CEOI, EGEC, Dept DEI Leads		
Inclusive Admissions	GA4.4 Work with Departn representative in e	nents to implement holistic ad valuation process	missions review, address fac	ulty bias, and include DEI	ADEI, EGEC, DGS, Dept DEI Leads		
Inclusive Recruitment	GA4.5 Work with Minority in collaboration wi	Serving Institutions to develo th OGEEP ⁴³ and other campus	pp pathway programs to grad partners.	luate school at Penn State	ADEI, SRGE, DGS, Dept DEI Leads, Grad Faculty, Staff, Students		
Inclusive Recruitment	GA4.6 Develop a college-l	evel model for funding first-ye	ar graduate students		Dean, ADEI, ADR, ADE, FO, DGS		
Inclusive Recruitment	GA4.7 Attend National Co campus partners.	onferences that target URM po	pulations in collaboration wi	ith OGEEP ⁴³ and other	ADEI, ADR, CEOI, DGS, Graduate Faculty, Dept DEI leads		
Inclusive Admissions	GA4.8 Increase number o	GA4.8 Increase number of touchpoints with applicants (webinars, emails, visit opportunities, etc.)					
Inclusive Admissions	GA4.9 Create a centralize	ADEI, ADR, ADE, DGS, CEOI, SDMC, EGEC, DIT					
Inclusive Recruitment	GA4.10 Offer application fe	ee waivers			ADEI, ADR, SRGE, EGEC, DGS		
Inclusive Recruitment	GA4.11 Review policies reg fellowships not elig	ADEI, ADR, ADE, FO, CCGE, GC C					
Metrics		Meet with all Department Heads and the Graduate Professors-in-Charge to discuss holistic review procedures; Submit Grant proposals to support graduate broadening participation activities; Create centralized tracking/communication system					
КРІ	Increased application numbers, increased enrollment; size of graduate student body; demographics of student body show greater representation of historically "minoritized" groups						
Mapping to COE and University Strategic Plans	University Strategic Plan DEI Goal 4: Recruit, support, and advance a diverse student body; COE Strategic Plan Goal 2 (Action 7): Equitable Access for Students & Representative Student Body; F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Prepare our students for success in their careers and life; IS1: Infrastructure and Support- Prioritize investment in our people						
References and Resources	AGEP ⁴¹ , Additional resourc	es to be identified in GA1.4					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	GA4.1-GA4.3, GA4.7, GA4.10	GA4.1-GA4.11					



6.6 Prioritized Actions to Advance Undergraduate Student Equity

Table 6.6.1 Undergraduate Student Engagement with EAP							
UA1: Engage College of Engineering Undergraduate Students in Continuous Equity Action Process.							
Issues raised by undergraduate students and other stakeholders	Critical Intervention	Persons Responsible					
Expanding buy-in and ownership of climate improvement strategies	UA1.1 Initiate regular/ongo	ping assessment – both quant	itative and qualitative		Dean's Academic Committee, DDAA, CEOI-AB, IPAC		
Building trust that the college will address issues raised by undergraduate students	UA1.2 Communicate how a Seek feedback on pr	actions are mapped to identifi ogress	ed growth opportunities and	lingering challenges;	ADEI, ADE, ADASGP, SDMC, EDCM		
DEI Education and Leadership		o provide a common databanl DE student support units	< of ongoing DEI efforts and re	esources across	ADEI, ADE, ADASGP, ADTL, ADEI		
DEI Education and Leadership	UA1.4 Provide Guidelines a	UA1.4 Provide Guidelines and Resources for department-level and unit-level DEI Efforts					
Transparency and Equity in Policies and Rewards	UA1.5 Identify if there are	UA1.5 Identify if there are opaque processes and develop transparent communication around each.					
Improving Processes for addressing inequities and needed policy changes	(EUC), Diversity Rou Council of Common	UA1.6 Define and share purpose, mission statements, and goals for the Engineering Undergraduate Council (EUC), Diversity Round Table, University Park Undergraduate Association college representative and the Council of Commonwealth Student Governments to enhance/identify opportunities for collaboration related to the student experience					
Metrics	-	Materials developed to describe EAP efforts for undergraduate students, system for collection of information regarding Undergraduate-Focused DEI efforts, Material to describe roles of DRT, EUC and UPUA for action and collaboration					
KPIs	% of undergraduate students engaged in qualitative input activities, portal for undergraduate student input of equity concerns and solutions, Fall and Spring Equity Updates from College						
Mapping to COE and University Strategic Plans	F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Prepare our students for success in their careers and life; IS1: Infrastructure and Support- Prioritize investment in our people; COE SP Goal 2						
References and Resources	Community Information and Advocacy: How we define student success ⁴⁶ , Additional resources to be identified in UA1.4						
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	UA1.1, UA1.5, UA1.6 UA1.1, UA1.2, UA1.5, UA1.1-UA1.6 UA1.1-UA1.6 UA1.1-UA1.6						



Table 6.6.2 Undergraduate Student Education, Training, and Professional Development

UA2: Provide educational and professional development opportunities for undergraduate students to deepen knowledge and leadership to advance equity and inclusion within the college and in partnership with engineering professional communities.

Issues raised by undergraduate students and other stakeholders	Critical Intervention					Persons Responsible
Inclusive Mentorship—Increasing capacity of communities to mentor, proliferating promising practices	UA2.1 Provide mentor training, information and consultation to student organization and program leaders (EPALS, Career Envoys, MEPO, WEPO, EON, Impact Scholars, Global Engineering Fellows, Engineering Ambassadors, Department Ambassador programs)					ASGP, MEP, WEP, GEE, DSE, Dept DEI Leads
Inclusive Mentorship—Implementing nationally recognized models						STPCP, GEE, MEP, WEP, SRGE, IEP, ASGP, SDDAR, SDCIE
Affinity Groups and Peer Networks— how to begin		-	rmation, and consultation to eep learning resources)	undergraduate students for e	effective peer	ASGP, EAC, GEE, CEOI, DSE, Dept DEI Leads
Advancement and Professional Development				., badging/micro-credential) f sumes and statements for jol	-	ADE, ADEI, SRGE, DODL, DSE, Dept DEI Leads, CRER
DEI Education and Leadership	UA2.5 Provide professional development on equity and inclusion as a component of credentialling and onboarding for undergraduate students who mentor within the research lab, or lead student organizations					ADEI, SRGE, ASGP, DSE, Dept DEI Leads, Advisors of Student Orgs, Faculty Research Advisors, Graduate Research Mentors
DEI Education and Leadership	UA2.6 P	rovide continuing e	ducation to broaden and dee	pen DEI knowledge		ADEI, CEOI, ASGP, CRER, DODL
Equitable and Inclusive Onboarding	UA2.7 Refine the Dean's welcome, Multicultural Engineering Program Orientation (MEPO), Women in Engineering Program Orientation (WEPO), Engineering Orientation Network (EON), Commonwealth Engineering Scholars Leadership Conference (CESLC) with intention of building community across student populations				ADEI, ADASGP, EAC, DSE, MEP, WEP, STPCP	
Community and Belonging; Lack of diversity and inclusivity	UA2.8 Educate community members on the federally or institutionally required categories for broadening participation or affirmative action compliance to increase understanding of the benefits and challenges within equity audits				-	ADEI, ADASGP, CEOI, ASGP, EDCM, Dept DEI Leads
Community and Belonging; Lack of diversity and inclusivity	UA2.9 Provide opportunities for undergraduate students to identify groups and programs that enable connections that are salient to the multiple facets of identity Leads, IPAC, CEOI-AB, PSEAS					
Metrics	Department mentorship plans, mentoring workshops offered, DEI development and credentialing opportunities					
KPIs	% of undergraduate students participating in DEI workshops; Number of undergrad program coordinators allocating seminar time to discuss DEI, mentorship plans, and to promote development opportunities					
Mapping to COE and University Strategic Plans	University Strategic Plan DEI Goal 4: Recruit, support, and advance a diverse student body; COE Strategic Plan Goal 2 (Action 7): Equitable Access for Students & Representative Student Body; F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Prepare our students for success in their careers and life; IS1: Infrastructure and Support- Prioritize investment in our people					
References and Resources	CIMER ³⁷ , Additional resources to be identified in UA1.4					
Implementation Timeline	2020/202	21	2021/2022	2022/2023	2023/2024	2024/2025
	UA2.3, UA	A2.7	UA2.1-UA2.3, UA2.7, UA2.9	UA2.1-UA2.9	UA2.1-UA2.9	UA2.1-UA2.9



Table 6.6.3 Undergraduate Student Retention and Advancement

UA3: Provide equitable and inclusive access to career advancement, engineering facilities, programs, resources, and services, by being responsive to the needs of diverse engineering constituents.

engineering constituents.		
Issues raised by undergraduate students and other stakeholders	Critical Intervention	Persons Responsible
Post-Pandemic Equity	UA3.1 Monitor and address inequitable post-pandemic impacts, particularly regarding gender, race, and disability; national origin may be important, as many countries were and still are disproportionately impacted	Dean's Academic Committee, UPC, Dept DEI Leads
Inclusive Mentorship—unit-level organized mentorship	UA3.2 Conduct an Inventory of undergraduate Program Mentoring Programs to Identify strengths and gaps	Dean's Academic Committee, Dept DEI Leads
Inclusive Mentorship—informal peer mentoring	UA3.3 Sustain and expand support for Informal mentoring via affinity groups and student organizations	CEOI, ASGP, CRER
Inclusive Mentorship—college level organized mentorship	UA3.4 Continue College-Level support for Diversity Round Table and Engineering Undergraduate Council	DSE, MEP, WEP, IEP, STPCP, CEOI-AB, IPAC, PSEAS
Provide Support for Gender Equity	UA3.5 Scale up intervention for gender inclusion such as WEPO, Facilitated study groups	DSE, WEP, MEP
Provide Support for student body diversity	UA3.6 Develop new interventions to reach students who would be uncomfortable in traditionally named groups MEP, WEP, Commonwealth Engineering Scholar (CES) groups	ADEI, Dept DEI Leads, DSE, CEOI-AB, IPAC, PSEAS
Provide support for students from underrepresented racial/ethnic groups	UA3.7 Scale up interventions that create welcome spaces for racially underrepresented students (such as MEPO, AEC)	CEOI, Dept DEI Leads
Community and Belonging; Lack of diversity and inclusivity	UA3.8 Develop a culture of appreciation for community members as Penn Staters, perhaps with a customer service philosophy such as FISH	CEOI, ASGP, CRER
Community and Belonging; Lack of diversity and inclusivity	UA3.9 Provide inclusive spaces for "minoritized" undergraduate students to connect without the burden of having to share "traumas" with or educate majority community members	CEOI, ASGP, CRER, UPCs, Dept DEI Leads
Community and Belonging; Lack of diversity and inclusivity	UA3.10 Establish physical space for students to congregate: First, for undergraduate programming, a space to accommodate 300. Second, to promote student connections, comfortable lounge spaces should be established for students	Dean's Academic Committee, EMC
Community and Belonging; Lack of diversity and inclusivity	UA3.11 Intercultural training such as Cultural Intelligence Quotient (CQ) or Intercultural Development Index (IDI)	ADEI, ADE, ADCIPA, CEOI, GEE, ADTL-LCD



Table 6.6.3 Undergraduate Student Retention and Advancement (continued)

UA3: Provide equitable and inclusive access to career advancement, engineering facilities, programs, resources, and services, by being responsive to the needs of diverse engineering constituents.

engineering constituents.							
Issues raised by undergraduate students and other stakeholders	Critical Intervention	Persons Responsible					
Access	UA3.12 Launch a more ope	Dean's Academic Committee					
Access		UA3.13 Reduce cost barriers and provide financial support to participate in experiential learning opportunities such as internships, education abroad, and research.					
Support of CWC students	UA3.14 Increase delivery o	f retention programming for f	irst- and second-year student	S	CEOI, ASGP, CRER		
Support of CWC students		unds to offset the scholarship ajor students 00 people is neo		s + tuition increase for	ADEI, SDDAR, SDCIE		
Retention		UA3.16 Develop better understanding of student experience related to the choice to participate in a Living Learning Community (LLC) –specifically URM studentsand enhance marketing/outreach to increase participation.					
Retention	UA3.17 Inventory/benchm	UA3.17 Inventory/benchmark current participation rates of URM students in COE student organizations					
Retention		UA3.18 Successfully execute the Engineering Connect pilot to support the transition of first-year engineering students through equity minded interventions then expand to eventually implement at all campuses					
Retention		UA3.19 Develop additional proactive advising practices to identify and reach out to students who might be slipping through the cracks (ABC rate data, Canvas engagement data, Starfish flags, course repeat request details)					
Retention		UA3.20 Expand offering of group advising sessions to reach students who might not come in for a 1-on-1 advising appointment					
Metrics	Increased offerings of ment	Increased offerings of mentor programs, facilitated study groups, affinity group structures					
КРІ		Time to degree disaggregated by gender and race, undergraduate students can articulate an understanding of evaluation priorities, community survey data shows higher sense of belonging and perception of career opportunities, multifold increase in student participation in priority programs					
Mapping to COE and University Strategic Plans		University Strategic Plan Equity Goal 4: Recruit, support and advance a diverse student body, faculty and staff; COE SP Goal 2: Equitable Access for Students and Representative Student Body					
References and Resources	Cultural Intelligence (CQ) ⁴⁷ ,	Cultural Intelligence (CQ) ⁴⁷ , Intercultural Development Inventory (IDI) ⁴⁸ , Thompson & Wu ⁴⁹ , Additional resources to be identified in UA1.4					
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	UA3.1, UA3.3, UA3.5- UA3.7, UA3.11, UA3.14, UA3.16, UA3.18, UA3.19	UA3.1-UA3.7, UA3.9, UA3.11, UA3.14, UA3.16, UA3.18, UA3.19	UA3.1-UA3.9, UA3.11- UA3.19	UA3.1-UA3.20	UA3.1-UA3.20		



Table 6.6.4 Undergraduate Student Recruitment							
UA4: Recruit diverse and inclusive undergraduate students in all programs.							
Issues raised by undergraduate students and other stakeholders	Critical Intervention		Persons Responsible				
Outreach	UA4.1 Expand and provide	4.1 Expand and provide administrative support for pre-engineering and computer science camp offerings					
Outreach	UA4.2 Expand PreK-12 Inclu	usive STEM curricula			STPCP, YES ⁵¹		
Outreach	UA4.3 Develop strong colla	borations for Engagement of F	P-12 communities		STPCP, Dept DEI Leads		
Outreach		utreach programs that develo finity-based recruiting leaders		0 - 0	CEOI, EA, DRT, EUC, Students, Faculty and Staff engaged in outreach		
Inclusive Recruitment	engineering opportu	line of actions and milestones inities across the state, highlig ses, with specific attention to campuses	hting the comprehensive set c	of engineering degrees	Dean's Academic Committee, STPCP, ECP, EDCM		
Inclusive Recruitment	UA4.6 Adopt/develop COE		Dean's Academic Committee, Dept DEI Leads				
Inclusive Recruitment	UA4.7 Assess recruitment, a underrepresented st		Dean's Academic Committee, DDAA				
Admissions and Scholarships		UA4.8 Increase amount of scholarship funding available for incoming students through philanthropy and ADEI, SDDAR, SDCIE, FO corporate engagement					
Gender Equity	UA4.9 Continue communica		Dean's Academic Committee, EDCM, SDMC, CEOI, Dept DEI Leads				
Diversity of Student Body	UA4.10 Increase programm	ing and outreach to URM stud	ents in the PA population		ADEI, DSE, STPCP, Dept DEI Leads		
Metrics	Increased Offerings from COE of curricula to P-12, Structure and information for COE-led Camps implementation; Curriculum and policies for engineering outreach with faculty, staff, and students, Increase applications from URM, Increased admission of URM students, Increased applications from women, Increased admission of women						
КРІ	Increased enrollment of URM students, increase scholarship funding for contributions to the diversity of the student body, Increased enrollment of women, Equity in semester grades (As and Bs) across groups. Increased retention at ETM; Graduation rates similar across all groups; Camp and curricular outreach participants report enhanced interests in promoting and/or pursuing STEM careers						
Mapping to COE and University Strategic Plans	University Strategic Plan DEI Goal 4: Recruit, support, and advance a diverse student body; COE SP Goal 2 (Action 7): Equitable Access for Students & Representative Student Body; F3: Engaging Principles of Inclusion, Equity, and Diversity; TE3: Prepare our students for success in their careers and life; IS1: Infrastructure and Support- Prioritize investment in our people						
References and Resources	Thompson & Wu ⁴⁹ , Cunningham et al ⁵⁰ , Youth Engineering Solutions (YES) ⁵¹ , Engineering Ambassadors ⁵² , Additional resources to be identified in UA1.4						
Implementation Timeline	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	UA4.1-UA4.3, UA4.1-UA4.4, UA4.1- UA4.10 UA4.1 - UA4.10 UA4.1 - UA4.10 UA4.7-UA4.10 UA4.7-UA4.10 UA4.1 - UA4.10 UA4.1 - UA4.10 UA4.1 - UA4.10						



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